

Total Records: 2147

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
Clinton	2147	Electric Log	1207	HERRIN	1797	HERRIN COAL	1797
		Drillers Log	307	DANVILLE	445	PIASA LIMESTONE	939
		Survey Core Study	126	SPRINGFIELD	178	ANNA BLACK SHALE	691

Data Summary

Cross-tabulation of all selected logs, individual logs will vary.

Tabulation of logged intervals only, individual logs will vary.

Depth and Thickness measurements in feet

Member	Lithology	Avg. Depth	Min. Depth	Max. Depth	Avg. Thk	Min. Thk	Max. Thk
SURVANT - UPPER		411.0	372.0	450.0	-	-	-
SURVANT - LOWER		486.0	475.0	497.0	-	-	-
CARTHAGE	LIMESTONE	99.6	18.0	256.0	8.3	1.0	13.8
NEW HAVEN	COAL	75.7	30.0	114.0	4.2	2.0	8.0
MACOUPIN	LIMESTONE	209.9	209.9	209.9	0.4	0.4	0.4
WOMAC	COAL	69.9	53.5	86.3	1.0	1.0	1.0
CHAPEL	COAL	181.4	95.0	385.1	2.7	0.7	8.0
SCOTTVILLE	LIMESTONE	403.6	403.6	403.6	4.8	4.8	4.8
WEST FRANKLIN	LIMESTONE	225.0	206.0	244.0	-	-	-
LAKE CREEK	COAL	244.8	182.5	308.0	1.5	0.5	2.8
PIASA	LIMESTONE	341.5	169.2	544.0	5.5	0.4	13.0
DANVILLE	COAL	363.8	187.1	565.0	1.9	0.2	8.2
GALUM	LIMESTONE	367.4	265.9	452.9	1.2	0.4	2.0
ALLENBY	COAL	336.5	300.0	407.0	2.0	1.1	3.0
BANKSTON FORK	LIMESTONE	364.2	190.1	573.0	6.8	1.0	16.3
ANVIL ROCK	SANDSTONE	366.7	213.5	540.5	3.5	0.3	8.0
LAWSON	SHALE	383.7	200.2	579.0	8.7	0.5	42.0
CONANT	LIMESTONE	380.2	204.6	582.0	2.0	0.2	6.0
JAMESTOWN	COAL	389.3	205.7	551.4	1.0	0.1	5.0
BRERETON	LIMESTONE	376.2	205.9	589.0	3.8	0.1	25.0
ANNA	SHALE	379.0	209.5	592.0	2.5	0.1	12.0
ENERGY	SHALE	301.5	271.0	408.0	32.0	1.4	53.8
HERRIN	COAL	394.7	211.0	602.0	6.5	0.4	20.6
HIGGINSVILLE	LIMESTONE	385.2	385.2	385.2	4.8	4.8	4.8
BRIAR HILL	COAL	354.5	354.5	354.5	0.6	0.6	0.6
ST. DAVID	LIMESTONE	366.0	366.0	366.0	1.5	1.5	1.5
TURNER MINE	SHALE	415.9	367.5	440.0	2.1	1.7	2.5
SPRINGFIELD	COAL	459.7	249.0	634.0	4.1	0.7	7.0
HANOVER	LIMESTONE	397.3	366.0	428.6	1.0	0.5	1.5
EXCELLO	SHALE	453.6	419.3	517.0	4.0	0.7	10.0

HOUCHIN CREEK	COAL	472.0	289.0	647.0	2.2	0.3	4.0
SURVANT	COAL	500.9	365.0	675.0	2.6	0.8	4.5
MECCA QUARRY	SHALE	474.5	448.0	512.6	3.9	2.5	4.7
COLCHESTER	COAL	562.2	332.0	791.0	3.3	1.6	8.0
DEKOVEN	COAL	495.4	460.9	524.3	2.2	0.7	4.2
DAVIS	COAL	499.4	463.8	535.0	1.3	0.8	1.9
BEECH CREEK	LIMESTONE	1099.3	819.0	1376.0	-	-	-
UPPER DEVONIAN S		2600.5	2128.0	2970.0	-	-	-
BASE UPPER DEVON		2656.9	2171.0	3034.0	-	-	-
GRASSY CREEK	SHALE	2615.1	2142.0	2980.0	-	-	-
				Net Coal	37.1		

Coal Logs

This report contains non-confidential coal log descriptions from the Coal Section's stratigraphic database in the county listed. Coal logs are sorted by township/range and section. For each log, North American Datum 1983 (NAD83) Longitude/Latitude coordinates in decimal degrees are provided as well as a legal description which uses the Public Land Survey System (PLSS). The following are two examples of coal log locations:

Example location 1: COUNTY: SALINE TWP/RNG: 7S 5E SECTION: 19 QUARTERS/FOOTAGES: 330'S line, 330'W line of SE NE
LONGITUDE: -88.691911 LATITUDE: 37.900435

This log is from a borehole located in Saline County, Township 7 South, Range 5 East, 330 feet from the south line and 330 feet from the west line of the southeast quarter of the northeast quarter of section 19.

Example location 2: COUNTY: SALINE TWP/RNG: 9S 5E SECTION: 36 QUARTERS/FOOTAGES: 530'N, 530'W, SE/c NE NW
LONGITUDE: -88.60834 LATITUDE: 37.700006

This log is from a borehole located in Saline County, Township 9 South, Range 5 East, 530 feet north and 530 feet west of the southeast corner of the northeast quarter of the northwest quarter of section 36.

Beneath the header is geology information for that data point. The Coal Section stratigraphic database from which this .PDF file is derived is a multi-project database which contains drill hole and outcrop descriptions of Pennsylvanian stratigraphy in Illinois. Consequently, the level of detail and accuracy in the data and their interpretation vary (sometimes widely) with the geologist, project type, or original data source. Multiple descriptions of a particular location may be present. Note that both the coal stratigraphic database and this .PDF listing are only a subset of the total amount of data available from the ISGS Geologic Records Library archives, and reflect only coal-specific data and interpretations of past and present Coal Section geologists. They are not a comprehensive listing of all data that may be available from the ISGS.

MAPID: 02700178000C VERSION: 1 PROJECT: CIRC 164
COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: NW SE SE
QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.145957 GEOLOGIST:
CONFIDENTIAL: N LATITUDE: 38.549644 DATE COLLECTED: 0 / 0 / 1923
SURFACE ELEVATION (FT.): 487.7 LOGGED (FT.): 1437.0 LOG TYPE:
SOURCE: ROLEUM OG, HANSEMAN F 3 WELL TYPE: Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
6.7	CARBONDALE	HERRIN	COAL	-	481.0	

MAPID: 02700656000C VERSION: 1 PROJECT: CIRC 164
COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: 2040' S line, 1005' W line
QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.157348 GEOLOGIST:
CONFIDENTIAL: N LATITUDE: 38.553221 DATE COLLECTED: 0 / 0 / 1940
SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 2900.0 LOG TYPE:
SOURCE: GULF REF, BUEHLR COM 1 WELL TYPE: Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
368.0	BOND	CARTHAGE	LIMESTONE	-	99.0	
-3.0	CARBONDALE	HERRIN	COAL	-	470.0	

MAPID: 02700656000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: 2040' S line, 1005' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.157348

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.553221

DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0

LOGGED (FT.): 481.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.0	MODESTO	PIASA	LIMESTONE	6.0	426.0	
38.0	MODESTO		SHALE	16.0	432.0	
22.0	CARBONDALE	DANVILLE	BONE COAL	3.0	448.0	
19.0	CARBONDALE		SHALE	2.0	451.0	
17.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.5	453.0	UPPER BENCH
15.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.5	454.5	SHALE PARTING
14.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	456.0	LOWER BENCH
11.0	CARBONDALE	LAWSON	SHALE	4.0	459.0	
7.0	CARBONDALE	CONANT	LIMESTONE	2.5	463.0	
4.5	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	1.0	465.5	
3.5	CARBONDALE		SHALE	2.0	466.5	
1.5	CARBONDALE	BRERETON	LIMESTONE	5.0	468.5	
-3.5	CARBONDALE	ANNA	BLACK SHALE	1.5	473.5	
-5.0	CARBONDALE	HERRIN	COAL	6.0	475.0	

MAPID: 02700667000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.150319

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.557134

DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 453.0

LOGGED (FT.): 1343.0

LOG TYPE:

SOURCE: SHELL PET, ELLERMAN F 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
13.0	CARBONDALE	HERRIN	COAL	-	440.0	

MAPID: 02700690000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: SE SW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.148335

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.547968

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 2900.0

LOG TYPE:

SOURCE: LEE T W, HANSEMAN W 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
353.0	BOND	CARTHAGE	LIMESTONE	-	130.0	
-3.0	CARBONDALE	HERRIN	COAL	-	486.0	

MAPID: 02701077000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: 501' N line, 330' W line of NE NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.154817

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.56051

DATE COLLECTED:

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 2848.0

LOG TYPE: Electric Log

SOURCE: GULF REFINING CO.

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-690.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1169.0	
-2295.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2774.0	TOP OF NEW ALBANY
-2302.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2781.0	
-2369.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2848.0	BASE OF NEW ALBANY

MAPID: 02702090000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: 430' S line, 430' E line of NW SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.157792

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55241

DATE COLLECTED:

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 2828.0

LOG TYPE: Electric Log

SOURCE: GULF REFINING CO.

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-664.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1120.0	
-2297.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2753.0	TOP OF NEW ALBANY
-2304.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2760.0	
-2372.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2828.0	BASE OF NEW ALBANY

MAPID: 02702136000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 1 QUARTERS/FOOTAGES: 465' N line, 330' W line of NE SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.155083 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.553399 DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 2822.0 LOG TYPE: Electric Log

SOURCE: SHELL OIL COMPANY WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-19.0	CARBONDALE	SPRINGFIELD	COAL	-	476.0	
-131.0	CARBONDALE	COLCHESTER	COAL	-	588.0	
-659.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1116.0	
-2291.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2748.0	TOP OF NEW ALBANY
-2297.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2754.0	
-2365.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2822.0	BASE OF NEW ALBANY

MAPID: 02700274000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 2 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.164265 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.556074 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 1385.0 LOG TYPE:

SOURCE: SHELL PET, CRILY EARL 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
357.0	BOND	CARTHAGE	LIMESTONE	-	122.0	
-11.0	CARBONDALE	HERRIN	COAL	-	490.0	

MAPID: 02700603000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 2 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.171235 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.556428 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 2914.0 LOG TYPE:

SOURCE: FOTDES&SHL, MC HENRY W 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
359.0	BOND	CARTHAGE	LIMESTONE	-	116.0	
-3.0	CARBONDALE	HERRIN	COAL	-	478.0	

MAPID: 02700696000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.171103 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.560027 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 1378.0 **LOG TYPE:**
SOURCE: SHELL OC, CRILEY E C 24 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
380.0	BOND	CARTHAGE	LIMESTONE	-	93.0
11.0	CARBONDALE	HERRIN	COAL	-	462.0

MAPID: 02700697000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 2 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.175689 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.562064 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 2915.0 **LOG TYPE:**
SOURCE: FOTDES&SHL, HOOD 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
372.0	BOND	CARTHAGE	LIMESTONE	-	102.0
8.0	CARBONDALE	HERRIN	COAL	-	466.0

MAPID: 02701720000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 2 **QUARTERS/FOOTAGES:** 1650' N line, 2310' E line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.168823 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.558058 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 482.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
44.0	MODESTO	PIASA	LIMESTONE	4.0	429.0
40.0	MODESTO		SHALE	18.0	433.0
22.0	CARBONDALE	DANVILLE	BONE COAL	2.0	451.0
20.0	CARBONDALE		SHALE	5.0	453.0
15.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	458.0
10.0	CARBONDALE	LAWSON	SHALE	4.0	463.0
6.0	CARBONDALE	CONANT	LIMESTONE	2.0	467.0
4.0	CARBONDALE		SHALE	3.0	469.0
1.0	CARBONDALE	BRERETON	LIMESTONE	2.0	472.0
-1.0	CARBONDALE	ANNA	BLACK SHALE	3.0	474.0
-4.0	CARBONDALE	HERRIN	COAL	5.0	477.0

MAPID: 02702171000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 2 QUARTERS/FOOTAGES: 380' N line, 330' W line of NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.168722 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.561558 DATE COLLECTED:

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 2839.0 LOG TYPE: Electric Log

SOURCE: SHELL OIL COMPANY WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-14.0	CARBONDALE	SPRINGFIELD	COAL	-	490.0	
-132.0	CARBONDALE	COLCHESTER	COAL	-	608.0	
-683.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1159.0	
-2288.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2764.0	TOP OF NEW ALBANY
-2295.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2771.0	
-2363.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2839.0	BASE OF NEW ALBANY

MAPID: 02700703000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 3 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.180397 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.560498 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 2946.0 LOG TYPE:

SOURCE: FIELDS B, PRATHER 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
24.0	CARBONDALE	HERRIN	COAL	-	450.0	CORRELATION UNCERTAIN

MAPID: 02701329000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 3 QUARTERS/FOOTAGES: 2310' N line, 1650' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.192081

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.557402

DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0

LOGGED (FT.): 504.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
16.5	MODESTO	PIASA	LIMESTONE	4.0	452.5
12.5	MODESTO		SHALE	19.0	456.5
-6.5	CARBONDALE	DANVILLE	BONE COAL	2.0	475.5
-8.5	CARBONDALE		SHALE	5.0	477.5
-13.5	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	482.5
-18.5	CARBONDALE	LAWSON	SHALE	4.0	487.5
-22.5	CARBONDALE	CONANT	LIMESTONE	2.0	491.5
-24.5	CARBONDALE		SHALE	4.0	493.5
-28.5	CARBONDALE	BRERETON	LIMESTONE	2.0	497.5
-30.5	CARBONDALE	ANNA	BLACK SHALE	0.5	499.5
-31.0	CARBONDALE	HERRIN	COAL	4.0	500.0

MAPID: 02701954000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 3 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.190024

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55016

DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0

LOGGED (FT.): 1215.0

LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L.

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-743.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1215.0

MAPID: 02701052000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 2310' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.208685

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.550973

DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 448.0

LOGGED (FT.): 1468.0

LOG TYPE:

SOURCE: THOMPSON B, ROPER C 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
375.0	BOND	CARTHAGE	LIMESTONE	-	73.0
13.0	CARBONDALE	HERRIN	COAL	-	435.0

MAPID: 02701052000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 2310' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.208685

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.550973

DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0

LOGGED (FT.): 444.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
58.0	MODESTO	PIASA	LIMESTONE	5.0	393.0
53.0	MODESTO		SHALE	18.0	398.0
35.0	CARBONDALE	DANVILLE	BONE COAL	2.0	416.0
33.0	CARBONDALE		SHALE	5.0	418.0
28.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	423.0
23.0	CARBONDALE	LAWSON	SHALE	3.0	428.0
20.0	CARBONDALE	CONANT	LIMESTONE	3.5	431.0
16.5	CARBONDALE	ANNA	SHALE	3.5	434.5
13.0	CARBONDALE	HERRIN	COAL	6.0	438.0

MAPID: 02701052000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 2310' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.208685

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.550973

DATE COLLECTED: 3 / 0 / 1946

SURFACE ELEVATION (FT.): 451.0

LOGGED (FT.): 588.0

LOG TYPE: Electric Log

SOURCE: THOMPSON B F

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
59.0	MODESTO	PIASA	UNCLASSIFIED	-	392.0
15.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	436.0
-13.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	-	464.0
-117.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	568.0
-137.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	588.0

MAPID: 02701052000C **VERSION:** 4 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' S line, 2310' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.208685 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.550973 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1243.0 **LOG TYPE:** Electric Log
SOURCE: THOMPSON B F **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-15.0	CARBONDALE	SPRINGFIELD	COAL	-	466.0	
-134.0	CARBONDALE	COLCHESTER	COAL	-	585.0	
-792.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1243.0	

MAPID: 02724612000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 4 **QUARTERS/FOOTAGES:**
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.207313 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.557278 **DATE COLLECTED:** 11 / 17 / 1975
SURFACE ELEVATION (FT.): 463.3 **LOGGED (FT.):** 473.8 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16226-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-				-		

MAPID: 02700628000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 5 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.234205 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.557713 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 479.0 **LOGGED (FT.):** 1500.0 **LOG TYPE:**
SOURCE: RAY O ETL, SCHMTZMYER 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
23.0	CARBONDALE	HERRIN	COAL	-	456.0	CORRELATION UNCERTAIN

MAPID: 02700179000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 6 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.253049 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.553236 **DATE COLLECTED:** 0 / 0 / 1926
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 1391.0 **LOG TYPE:**
SOURCE: BENOISTBRO, PETIT L A **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
310.0	BOND	CARTHAGE	LIMESTONE	-	145.0
30.0	CARBONDALE	HERRIN	COAL	-	425.0

MAPID: 02700179000C **VERSION:** 2 **PROJECT:** BLM
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 6 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.253049 **GEOLOGIST:** TREWORGY,J
CONFIDENTIAL: N **LATITUDE:** 38.553236 **DATE COLLECTED:** 11 / 0 / 1926
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 1391.0 **LOG TYPE:** Drillers Log
SOURCE: BENOIST BROS. **WELL TYPE:** Oil and Gas Test
COMMENT: QUESTIONABLE THICKNESS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
456.0			UNCONSOLIDATED	80.0	0.0
376.0			ROCK	327.0	80.0
49.0	CARBONDALE	DANVILLE	COAL	2.0	407.0
47.0			ROCK	982.0	409.0

MAPID: 02701332000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 6 **QUARTERS/FOOTAGES:** 990' N line, 1700' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.248079 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.563843 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 1250.0 **LOG TYPE:** Electric Log
SOURCE: WILLIAMS & HANES **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-4.0	CARBONDALE	SPRINGFIELD	COAL	-	450.0
-153.0	CARBONDALE	COLCHESTER	COAL	-	599.0
-804.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1250.0

MAPID: 02701332000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 1700' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.248079 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.563843 DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	MODESTO	PIASA	LIMESTONE	9.0	386.0	
51.0	MODESTO		SHALE	12.0	395.0	
39.0	CARBONDALE	DANVILLE	BONE COAL	2.0	407.0	
37.0	CARBONDALE		SHALE	2.0	409.0	
35.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	411.0	
29.0	CARBONDALE	ANNA	SHALE	8.0	417.0	
20.0	CARBONDALE	HERRIN	COAL	8.0	426.0	

MAPID: 02726027000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 6 QUARTERS/FOOTAGES: 1980' N line, 0' W line of SW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.254148 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.557796 DATE COLLECTED: 1 / 17 / 1974

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 559.5 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 15727 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.9	MODESTO	CHAPEL	COAL	1.1	269.1	
62.0	SHELBURN	PIASA	LIMESTONE	7.0	387.0	
53.0	SHELBURN	DANVILLE	COAL WITH SHALE	0.5	396.0	SLATE AND COAL
42.0	SHELBURN	ALLENBY	COAL WITH SHALE	2.0	407.0	SLATE AND COAL
16.6	CARBONDALE	HERRIN	COAL	4.8	432.4	
-7.8	CARBONDALE	SPRINGFIELD	COAL	3.0	456.8	
-74.4	CARBONDALE	HOUCHIN CREEK	COAL	1.8	523.4	

MAPID: 02701331000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 8 **QUARTERS/FOOTAGES:** 990' N line, 330' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.234461 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.548592 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 1237.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-15.0	CARBONDALE	SPRINGFIELD	COAL	-	462.0
-150.0	CARBONDALE	COLCHESTER	COAL	-	597.0
-790.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1237.0

MAPID: 02701331000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 8 **QUARTERS/FOOTAGES:** 990' N line, 330' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.234461 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.548592 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 435.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
57.0	MODESTO	PIASA	SANDSTONE	3.0	390.0
54.0	MODESTO		SHALE	17.0	393.0
37.0	CARBONDALE	DANVILLE	BONE COAL	1.0	410.0
36.0	CARBONDALE		SHALE	3.0	411.0
33.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	414.0
28.0	CARBONDALE	LAWSON	SHALE	6.0	419.0
22.0	CARBONDALE	BRERETON	LIMESTONE	2.0	425.0
20.0	CARBONDALE	ANNA	BLACK SHALE	2.0	427.0
18.0	CARBONDALE	HERRIN	COAL	6.0	429.0

MAPID: 02724569000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 9 **QUARTERS/FOOTAGES:** 1650' N line, 0' E line of SE NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.198421 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.541464 **DATE COLLECTED:** 10 / 24 / 1975
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 508.3 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16224-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	5.6	498.2

MAPID: 02701330000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.187893 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.544597 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 1206.0 LOG TYPE: Electric Log

SOURCE: CARTER OIL COMPANY WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-73.0	CARBONDALE	SPRINGFIELD	COAL	-	523.0
-190.0	CARBONDALE	COLCHESTER	COAL	-	640.0
-756.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1206.0

MAPID: 02703646000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 10 QUARTERS/FOOTAGES: 0' S line, 1320' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.194003 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.534898 DATE COLLECTED: 1 / 24 / 1969

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 600.4 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8217 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-40.3	CARBONDALE	HERRIN	COAL	5.5	490.3
-146.0	CARBONDALE	HOUCHIN CREEK	COAL	3.2	596.0

MAPID: 02703646000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 10 QUARTERS/FOOTAGES: 0' S line, 1320' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.194003

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.534898

DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 495.5

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8217

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
2.2	MODESTO	PIASA	LIMESTONE	5.8	447.8	
-3.6	CARBONDALE		GRAY SHALE	19.5	453.6	
-23.1	CARBONDALE	BANKSTON FORK	LIMESTONE	2.4	473.1	UPPER BENCH
-25.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.8	475.5	SHALE PARTING
-27.3	CARBONDALE	BANKSTON FORK	LIMESTONE	2.3	477.3	LOWER BENCH
-29.6	CARBONDALE	LAWSON	GRAY SHALE	3.3	479.6	
-32.9	CARBONDALE	CONANT	LIMESTONE	1.9	482.9	
-34.8	CARBONDALE	JAMESTOWN	COAL	0.1	484.8	
-34.9	CARBONDALE		CALCAREOUS SHALE	1.4	484.9	
-36.4	CARBONDALE	BRERETON	LIMESTONE	1.6	486.4	
-37.9	CARBONDALE	ANNA	BLACK SHALE	2.1	487.9	
-40.0	CARBONDALE	HERRIN	COAL	5.5	490.0	

MAPID: 02700704000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 11 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.162327

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.545133

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 2915.0

LOG TYPE:

SOURCE: SMOKEY OC, BEUHLER 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-20.0	CARBONDALE	HERRIN	COAL	-	492.0	

MAPID: 02700705000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 11 QUARTERS/FOOTAGES: 990' N line, 994' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.176252 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.545838 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 497.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
19.0	MODESTO	PIASA	LIMESTONE	9.0	441.0	
10.0	CARBONDALE		SHALE	14.0	450.0	
-4.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	464.0	
-11.0	CARBONDALE	LAWSON	SHALE	5.0	471.0	
-16.0	CARBONDALE	CONANT	LIMESTONE	4.0	476.0	
-20.0	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	2.0	480.0	
-22.0	CARBONDALE	ANNA	SHALE	8.0	482.0	
-30.0	CARBONDALE	HERRIN	COAL	7.0	490.0	

MAPID: 02700706000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 11 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.16241 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.542416 DATE COLLECTED:

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 2844.0 LOG TYPE: Electric Log

SOURCE: SMOKEY OIL CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-49.0	CARBONDALE	SPRINGFIELD	COAL	-	528.0	
-160.0	CARBONDALE	COLCHESTER	COAL	-	639.0	
-696.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1175.0	
-2310.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2789.0	TOP OF NEW ALBANY
-2316.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2795.0	
-2365.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2844.0	BASE OF NEW ALBANY

MAPID: 02700706000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 11 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.16241 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.542416 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 2916.0 LOG TYPE:

SOURCE: SMOKEY OC, KOELMEL R 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
347.0	BOND	CARTHAGE	LIMESTONE	-	129.0
-21.0	CARBONDALE	HERRIN	COAL	-	497.0

MAPID: 02700709000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 11 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.162486 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.539672 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 1646.0 LOG TYPE:

SOURCE: SHELL PET, KREFT W 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-40.0	CARBONDALE	HERRIN	COAL	-	510.0

MAPID: 02700630000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.144071 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.536748 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 497.0 LOGGED (FT.): 2917.0 LOG TYPE:

SOURCE: LILLY L, HEED 3 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	CARBONDALE	HERRIN	COAL	-	543.0

MAPID: 02700632000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.151106

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.53352

DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 1375.0

LOG TYPE:

SOURCE: ADAMS OG, KAELIN 1B

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
314.0	BOND	CARTHAGE	LIMESTONE	-	175.0
-55.0	CARBONDALE	HERRIN	COAL	-	544.0

MAPID: 02700711000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: 1884' S line, 1587' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.15579

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.538095

DATE COLLECTED:

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 513.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN COMMENT	
15.0	MODESTO	PIASA	LIMESTONE	6.0	461.0	
9.0	MODESTO		SHALE	15.0	467.0	
-6.0	CARBONDALE	DANVILLE	BONE COAL	3.0	482.0	
-9.0	CARBONDALE		SHALE	2.0	485.0	
-11.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	487.0	UPPER BENCH
-13.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.0	489.5	SHALE PARTING
-15.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	491.5	LOWER BENCH
-18.0	CARBONDALE	LAWSON	SHALE	2.0	494.0	
-20.0	CARBONDALE	CONANT	LIMESTONE	2.0	496.0	
-22.0	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	1.0	498.0	
-23.0	CARBONDALE		SHALE	2.0	499.0	
-25.0	CARBONDALE	BRERETON	LIMESTONE	3.0	501.0	
-28.0	CARBONDALE	ANNA	BLACK SHALE	2.0	504.0	
-30.0	CARBONDALE	HERRIN	COAL	7.0	506.0	

MAPID: 02700715000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: SW NE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.146143

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.54419

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 2925.0

LOG TYPE:

SOURCE: FIELDS B, ALLISON G 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
340.0	BOND	CARTHAGE	LIMESTONE	-	152.0	
-18.0	CARBONDALE	HERRIN	COAL	-	510.0	

MAPID: 02700724000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.146259

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.54054

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 2871.0

LOG TYPE:

SOURCE: MCBRIDEINC, ALLISON G 9

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-25.0	CARBONDALE	HERRIN	COAL	-	518.0	

MAPID: 02701008000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.160065

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.543185

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 2918.0

LOG TYPE:

SOURCE: SMOKEY OC, DUNBAR 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
336.0	BOND	CARTHAGE	LIMESTONE	-	144.0	
-30.0	CARBONDALE	HERRIN	COAL	-	510.0	

MAPID: 02701009000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 12 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.15797 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.535761 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 490.0 **LOGGED (FT.):** 2935.0 **LOG TYPE:**
SOURCE: WHITCHER E, KAELIN ED 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
330.0	BOND	CARTHAGE	LIMESTONE	-	160.0
-29.0	CARBONDALE	HERRIN	COAL	-	519.0

MAPID: 02701038000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 12 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.150993 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.537167 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 476.0 **LOGGED (FT.):** 2915.0 **LOG TYPE:**
SOURCE: SMOKEY OC, ALLISON G 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
329.0	BOND	CARTHAGE	LIMESTONE	-	147.0
-33.0	CARBONDALE	HERRIN	COAL	-	509.0

MAPID: 02701051000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 12 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.153077 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.5446 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 483.0 **LOGGED (FT.):** 1211.0 **LOG TYPE:**
SOURCE: GULF REF, BUEHLR SOU 24 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
345.0	BOND	CARTHAGE	LIMESTONE	-	138.0
-11.0	CARBONDALE	HERRIN	COAL	-	494.0

MAPID: 02702240000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 660' E line of NW SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.159025 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.539477 DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 2858.0 LOG TYPE: Electric Log

SOURCE: DUNBAR, J. V., ETAL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-51.0	CARBONDALE	SPRINGFIELD	COAL	-	531.0	
-157.0	CARBONDALE	COLCHESTER	COAL	-	637.0	
-690.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1170.0	
-2314.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2794.0	TOP OF NEW ALBANY
-2320.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2800.0	
-2378.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2858.0	BASE OF NEW ALBANY

MAPID: 02702277000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: 353' S line, 495' E line of SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.153994 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.533755 DATE COLLECTED:

SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 2875.0 LOG TYPE: Electric Log

SOURCE: FAIRHOPE OIL&WRIGHT WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-57.0	CARBONDALE	SPRINGFIELD	COAL	-	551.0	
-170.0	CARBONDALE	COLCHESTER	COAL	-	664.0	
-687.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1181.0	
-2318.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2812.0	TOP OF NEW ALBANY
-2325.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2819.0	
-2381.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2875.0	BASE OF NEW ALBANY

MAPID: 02725382000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 12 QUARTERS/FOOTAGES: 660' N line, 330' W line of SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.160192 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.538633 DATE COLLECTED:

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 2852.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-52.0	CARBONDALE	SPRINGFIELD	COAL	-	531.0	
-155.0	CARBONDALE	COLCHESTER	COAL	-	634.0	
-689.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1168.0	
-2309.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2788.0	TOP OF NEW ALBANY
-2313.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2792.0	
-2373.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2852.0	BASE OF NEW ALBANY

MAPID: 02700235000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 13 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.15588 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.528328 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 1403.0 LOG TYPE:

SOURCE: KESL & FOX, NOE & RICE WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-30.0	CARBONDALE	HERRIN	COAL	-	523.0	CORRELATION UNCERTAIN

MAPID: 02700352000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 13 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.144542 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.51852 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 1381.0 LOG TYPE:

SOURCE: ADAMS OG, BUCHLER E 3 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-68.0	CARBONDALE	HERRIN	COAL	-	564.0	

MAPID: 02700381000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.158468 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.519338 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 485.0 **LOGGED (FT.):** 1375.0 **LOG TYPE:**
SOURCE: FIELDS B, M & I R R 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-67.0	CARBONDALE	HERRIN	COAL	-	552.0	

MAPID: 02700386000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.146816 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.520479 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 2910.0 **LOG TYPE:**
SOURCE: DORAN PAUL, ROETEMEYER 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-59.0	CARBONDALE	HERRIN	COAL	-	537.0	

MAPID: 02700401000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.146639 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.52777 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 498.0 **LOGGED (FT.):** 2906.0 **LOG TYPE:**
SOURCE: ALGONA OC, SKPPR&KOLR 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-50.0	CARBONDALE	HERRIN	COAL	-	548.0	

MAPID: 02700402000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.148856 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.531553 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 2911.0 **LOG TYPE:**
SOURCE: ADAMS OG, HEISS 3A **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
310.0	BOND	CARTHAGE	LIMESTONE	-	183.0
-62.0	CARBONDALE	HERRIN	COAL	-	555.0

MAPID: 02700405000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.151457 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.520753 **DATE COLLECTED:** 0 / 0 / 1934
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 1594.0 **LOG TYPE:**
SOURCE: PUGH JOHN, WEHMER **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-56.0	CARBONDALE	HERRIN	COAL	-	530.0

MAPID: 02700635000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.153466 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.531835 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 495.0 **LOGGED (FT.):** 1391.0 **LOG TYPE:**
SOURCE: ELLIS&BLRS, FAIRVW PRK 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-28.0	CARBONDALE	HERRIN	COAL	-	523.0

MAPID: 02700830000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 13 QUARTERS/FOOTAGES: 2430' S line, 1600' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.148866

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.524571

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 490.0

LOGGED (FT.): 2962.0

LOG TYPE:

SOURCE: WHSNT&TRD, GEARY 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
313.0	BOND	CARTHAGE	LIMESTONE	-	177.0
-62.0	CARBONDALE	HERRIN	COAL	-	552.0

MAPID: 02700830000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 13 QUARTERS/FOOTAGES: 2430' S line, 1600' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.148866

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.524571

DATE COLLECTED:

SURFACE ELEVATION (FT.): 490.0

LOGGED (FT.): 559.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-14.0	MODESTO	PIASA	LIMESTONE	6.0	504.0
-20.0	MODESTO		SHALE	15.0	510.0
-35.0	CARBONDALE	DANVILLE	BONE COAL	1.0	525.0
-36.0	CARBONDALE		SHALE	4.0	526.0
-40.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	530.0
-47.0	CARBONDALE	LAWSON	SHALE	8.0	537.0
-55.0	CARBONDALE	BRERETON	LIMESTONE	6.0	545.0
-61.0	CARBONDALE	ANNA	BLACK SHALE	2.0	551.0
-63.0	CARBONDALE	HERRIN	COAL	6.0	553.0

MAPID: 02701013000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 13 QUARTERS/FOOTAGES: 111' N line, 135' E line of NW NE NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.155076

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.532541

DATE COLLECTED: 5 / 0 / 1940

SURFACE ELEVATION (FT.): 495.0

LOGGED (FT.): 672.0

LOG TYPE: Electric Log

SOURCE: PRAY, MAX DRLG. CO.

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
323.0	BOND	CARTHAGE	UNCLASSIFIED	-	172.0
5.0	MODESTO	PIASA	UNCLASSIFIED	-	490.0
-15.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	510.0
-35.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	530.0
-67.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	6.0	562.0
-137.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	632.0
-177.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	672.0

MAPID: 02700600000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 14 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.174518

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.527509

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 482.0

LOGGED (FT.): 1447.0

LOG TYPE:

SOURCE: MITCHL&MUL, GEARY EST 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
307.0	BOND	CARTHAGE	LIMESTONE	-	175.0
-42.0	CARBONDALE	HERRIN	COAL	-	524.0

MAPID: 02701015000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 14 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.176844

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.527629

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 468.0

LOGGED (FT.): 1433.0

LOG TYPE:

SOURCE: MITCHELL M, PHOENIX G 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
311.0	BOND	CARTHAGE	LIMESTONE	-	157.0
-40.0	CARBONDALE	HERRIN	COAL	-	508.0

MAPID: 02701165000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 14 QUARTERS/FOOTAGES: 1980' S line, 990' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.176945 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.524871 DATE COLLECTED: 12 / 0 / 1955

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 990.0 LOG TYPE: Electric Log

SOURCE: PRUETT T M WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
302.0	BOND	CARTHAGE	UNCLASSIFIED	-	175.0
-8.0	MODESTO	PIASA	UNCLASSIFIED	-	485.0
-27.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	504.0
-54.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	531.0
-79.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.0	556.0
-152.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	629.0
-192.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	669.0
-513.0	BASE OF PENN.		UNCLASSIFIED	-	990.0

MAPID: 02701165000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 14 QUARTERS/FOOTAGES: 1980' S line, 990' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.176945 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.524871 DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 537.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-9.0	MODESTO	PIASA	LIMESTONE	6.0	486.0
-15.0	MODESTO		SHALE	14.0	492.0
-29.0	CARBONDALE	DANVILLE	BONE COAL	2.0	506.0
-31.0	CARBONDALE		SHALE	6.0	508.0
-37.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	514.0
-41.0	CARBONDALE	LAWSON	SHALE	3.0	518.0
-44.0	CARBONDALE	CONANT	LIMESTONE	2.0	521.0
-46.0	CARBONDALE		SHALE	4.0	523.0
-50.0	CARBONDALE	BRERETON	LIMESTONE	3.0	527.0
-53.0	CARBONDALE	ANNA	BLACK SHALE	2.0	530.0
-55.0	CARBONDALE	HERRIN	COAL	5.0	532.0

MAPID: 02701165000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 14 QUARTERS/FOOTAGES: 1980' S line, 990' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.176945 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.524871 DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 2937.0 LOG TYPE: Electric Log

SOURCE: PRUETT T M WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.0	CARBONDALE	SPRINGFIELD	COAL	-	557.0	
-191.0	CARBONDALE	COLCHESTER	COAL	-	668.0	
-767.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1244.0	
-2402.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2879.0	TOP OF NEW ALBANY
-2411.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2888.0	
-2460.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2937.0	BASE OF NEW ALBANY

MAPID: 02724385000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 14 QUARTERS/FOOTAGES: 2310' S line, 990' E line of NE SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.165132 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.528827 DATE COLLECTED: 10 / 15 / 1972

SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 602.2 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 15716 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
283.4			LIMESTONE	9.2	200.6	
-49.8	SHELBURN	PIASA	LIMESTONE	5.6	533.8	
-72.5	SHELBURN	DANVILLE	COAL WITH SHALE	2.6	556.5	SLATE AND COAL
-104.2	CARBONDALE	HERRIN	COAL	6.1	588.2	

MAPID: 02700182000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 15 QUARTERS/FOOTAGES: SW NE SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.193242 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.524745 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 461.6 LOGGED (FT.): 1551.0 LOG TYPE:

SOURCE: KENT G, FINKLER WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-88.4	CARBONDALE	HERRIN	COAL	-	550.0	

MAPID: 02700648000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.181554 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.526033 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 1531.0 **LOG TYPE:**
SOURCE: VENITO A R, TAYLOR J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-23.0	CARBONDALE	HERRIN	COAL	-	496.0	CORRELATION UNCERTAIN

MAPID: 02703232000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' S line, 2310' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.209635 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.521747 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 1236.0 **LOG TYPE:** Electric Log
SOURCE: JET OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-17.0	CARBONDALE	SPRINGFIELD	COAL	-	480.0	
-125.0	CARBONDALE	COLCHESTER	COAL	-	588.0	
-773.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1236.0	

MAPID: 02703232000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' S line, 2310' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.209635 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.521747 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 458.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	MODESTO	PIASA	LIMESTONE	5.0	415.0	
43.0	MODESTO		SHALE	11.0	420.0	
32.0	CARBONDALE	DANVILLE	BONE COAL	1.0	431.0	
31.0	CARBONDALE		SHALE	5.0	432.0	
26.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	6.0	437.0	
20.0	CARBONDALE	LAWSON	SHALE	4.0	443.0	
16.0	CARBONDALE	BRERETON	LIMESTONE	3.0	447.0	
13.0	CARBONDALE	ANNA	BLACK SHALE	3.0	450.0	
10.0	CARBONDALE	HERRIN	COAL	5.0	453.0	

MAPID: 0270105000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 17 QUARTERS/FOOTAGES: NE NW NE
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.223306 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.535115 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 1236.0 LOG TYPE: Electric Log
 SOURCE: THOMPSON B F WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-16.0	CARBONDALE	SPRINGFIELD	COAL	-	475.0
-777.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1236.0

MAPID: 0270105000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 17 QUARTERS/FOOTAGES: NE NW NE
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.223306 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.535115 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 1466.0 LOG TYPE:
 SOURCE: THOMPSON B, REEVES ETL 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
371.0	BOND	CARTHAGE	LIMESTONE	-	88.0
11.0	CARBONDALE	HERRIN	COAL	-	448.0

MAPID: 02701335000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 17 QUARTERS/FOOTAGES: 990' S line, 1650' E line
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.22351 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.524158 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 425.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
58.0	MODESTO	PIASA	LIMESTONE	5.0	381.0
53.0	MODESTO		SHALE	13.0	386.0
40.0	CARBONDALE	DANVILLE	BONE COAL	2.0	399.0
38.0	CARBONDALE		SHALE	3.0	401.0
35.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	8.0	404.0
27.0	CARBONDALE	LAWSON	SHALE	3.0	412.0
24.0	CARBONDALE	BRERETON	LIMESTONE	2.0	415.0
22.0	CARBONDALE	ANNA	BLACK SHALE	3.0	417.0
19.0	CARBONDALE	HERRIN	COAL	5.0	420.0

MAPID: 02701333000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 18 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.244162

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.530732

DATE COLLECTED:

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 392.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
112.0	MODESTO	PIASA	SANDSTONE	4.0	347.0	
108.0	MODESTO		SHALE	15.0	351.0	
93.0	CARBONDALE	DANVILLE	BONE COAL	2.0	366.0	
91.0	CARBONDALE		SHALE	3.0	368.0	
88.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	371.0	
81.0	CARBONDALE	LAWSON	SHALE	4.0	378.0	
77.0	CARBONDALE	BRERETON	LIMESTONE	1.5	382.0	
75.5	CARBONDALE	ANNA	BLACK SHALE	2.5	383.5	
73.0	CARBONDALE	HERRIN	COAL	6.0	386.0	

MAPID: 02701721000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 18 QUARTERS/FOOTAGES: 330' S line, 330' E line of SE SE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.237211

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.530314

DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 2874.0

LOG TYPE: Electric Log

SOURCE: OIL MANAGEMENT, INC.

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
13.0	CARBONDALE	SPRINGFIELD	COAL	-	454.0	
-93.0	CARBONDALE	COLCHESTER	COAL	-	560.0	
-726.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1193.0	
-2346.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2813.0	TOP OF NEW ALBANY
-2359.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2826.0	
-2407.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2874.0	BASE OF NEW ALBANY

MAPID: 02701075000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.228211 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.51891 DATE COLLECTED: 5 / 0 / 1948

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 570.0 LOG TYPE: Electric Log

SOURCE: REZNIK JOE WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
64.0	MODESTO	PIASA	UNCLASSIFIED	-	388.0
26.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	426.0
2.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	2.0	450.0
-74.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	526.0
-118.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	570.0

MAPID: 02725077000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.226163 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.507859 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 1260.0 LOG TYPE: Electric Log

SOURCE: G & F OIL EXPLOR., INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-21.0	CARBONDALE	SPRINGFIELD	COAL	-	485.0
-134.0	CARBONDALE	COLCHESTER	COAL	-	598.0
-796.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1260.0

MAPID: 02726521000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 20 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.226167 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 38.507862 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 475.8 LOG TYPE: Company map

SOURCE: CARTER OIL WF-109 WELL TYPE: Coal Test

COMMENT: LOCATION, DATA FROM HOYLETON E & W MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	5.8	470.0

MAPID: 02700810000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 21 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.205203 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.514257 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1420.0 **LOG TYPE:**
SOURCE: BROKSID OG, DODILLET 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	CARBONDALE	HERRIN	COAL	-	505.0

MAPID: 02703148000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 21 **QUARTERS/FOOTAGES:** 1650' N line, 2310' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.209734 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.516281 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 486.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
27.0	MODESTO	PIASA	LIMESTONE	3.0	441.0
24.0	MODESTO		SHALE	12.0	444.0
12.0	CARBONDALE	DANVILLE	BONE COAL	2.0	456.0
10.0	CARBONDALE		SHALE	4.0	458.0
6.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	5.0	462.0
1.0	CARBONDALE	LAWSON	SHALE	4.0	467.0
-3.0	CARBONDALE	BRERETON	LIMESTONE	2.0	471.0
-5.0	CARBONDALE	ANNA	SHALE	5.0	473.0
-10.0	CARBONDALE	HERRIN	COAL	8.0	478.0

MAPID: 02701928000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 22 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.188983 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.51173 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 1286.0 **LOG TYPE:** Electric Log
SOURCE: JET OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-63.0	CARBONDALE	SPRINGFIELD	COAL	-	547.0
-167.0	CARBONDALE	COLCHESTER	COAL	-	651.0
-802.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1286.0

MAPID: 02701930000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 22 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.188852

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.513565

DATE COLLECTED:

SURFACE ELEVATION (FT.): 486.0

LOGGED (FT.): 539.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
1.0	MODESTO	PIASA	LIMESTONE	5.0	485.0
-4.0	MODESTO		SHALE	14.0	490.0
-18.0	CARBONDALE	DANVILLE	BONE COAL	1.0	504.0
-19.0	CARBONDALE		SHALE	8.0	505.0
-27.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	513.0
-31.0	CARBONDALE	LAWSON	SHALE	3.0	517.0
-34.0	CARBONDALE	CONANT	LIMESTONE	1.0	520.0
-35.0	CARBONDALE		SHALE	7.0	521.0
-42.0	CARBONDALE	BRERETON	LIMESTONE	3.0	528.0
-45.0	CARBONDALE	ANNA	SHALE	2.0	531.0
-47.0	CARBONDALE	HERRIN	COAL	6.0	533.0

MAPID: 02700372000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 23 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.163167

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.517775

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 476.0

LOGGED (FT.): 1456.0

LOG TYPE:

SOURCE: HOLMES&WND, COOKSEY 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-73.0	CARBONDALE	HERRIN	COAL	-	549.0

MAPID: 02700649000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 23 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.170325

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.510828

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 467.0

LOGGED (FT.): 1418.0

LOG TYPE:

SOURCE: HOLMES ETL, VOGT 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-99.0	CARBONDALE	HERRIN	COAL	-	566.0

MAPID: 02701873000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 23 QUARTERS/FOOTAGES: 2310' S line, 1650' W line
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.175001 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.511043 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 562.5 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	MODESTO	PIASA	LIMESTONE	4.0	509.0
-42.0	MODESTO		SHALE	17.0	513.0
-59.0	CARBONDALE	DANVILLE	BONE COAL	1.0	530.0
-60.0	CARBONDALE		SHALE	8.0	531.0
-68.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	539.0
-71.0	CARBONDALE	LAWSON	SHALE	3.0	542.0
-74.0	CARBONDALE	CONANT	LIMESTONE	2.0	545.0
-76.0	CARBONDALE		SHALE	4.0	547.0
-80.0	CARBONDALE	BRERETON	LIMESTONE	4.0	551.0
-84.0	CARBONDALE	ANNA	SHALE	3.0	555.0
-87.0	CARBONDALE	HERRIN	COAL	4.5	558.0

MAPID: 02724599000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.172738 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.507295 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 1284.0 LOG TYPE: Electric Log
 SOURCE: FIELDS, LEONARD WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-104.0	CARBONDALE	SPRINGFIELD	COAL	-	574.0
-215.0	CARBONDALE	COLCHESTER	COAL	-	685.0
-814.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1284.0

MAPID: 02700217000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 24 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.144973 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.503945 DATE COLLECTED: 0 / 0 / 1922
 SURFACE ELEVATION (FT.): 490.6 LOGGED (FT.): 752.0 LOG TYPE:
 SOURCE: WIREBACK F, ERBES 3 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.4	CARBONDALE	HERRIN	COAL	-	529.0

MAPID: 02700379000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 24 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.144809 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.509411 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 494.0 **LOGGED (FT.):** 1640.0 **LOG TYPE:**
SOURCE: RAY O ETAL, ERBES EST **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-67.0	CARBONDALE	HERRIN	COAL	-	561.0	

MAPID: 02700940000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 24 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.144644 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.514876 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 497.0 **LOGGED (FT.):** 1385.0 **LOG TYPE:**
SOURCE: NICHOLS W, DENNIS 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-70.0	CARBONDALE	HERRIN	COAL	-	567.0	

MAPID: 02700957000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 1W **SECTION:** 24 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.151811 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.507993 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 496.0 **LOGGED (FT.):** 1395.0 **LOG TYPE:**
SOURCE: ROBINSON, LUNDERBUCK 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-61.0	CARBONDALE	HERRIN	COAL	-	557.0	

MAPID: 02725069000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 1W SECTION: 24 QUARTERS/FOOTAGES: 330' N line, 490' W line of NW SW NE
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.151099 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.51343 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 502.0 LOGGED (FT.): 2904.0 LOG TYPE: Electric Log
 SOURCE: G & F OIL EXPLOR., INC. WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-708.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1210.0	
-2342.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2844.0	TOP OF NEW ALBANY
-2346.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2848.0	
-2402.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2904.0	BASE OF NEW ALBANY

MAPID: 02700187000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 1 QUARTERS/FOOTAGES: NE SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.265783 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.557729 DATE COLLECTED: 0 / 0 / 1922
 SURFACE ELEVATION (FT.): 434.4 LOGGED (FT.): 1349.0 LOG TYPE:
 SOURCE: EWING&MARQ, SPREHE 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
26.4	CARBONDALE	HERRIN	COAL	-	408.0	CORRELATION UNCERTAIN

MAPID: 02700187000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 1 QUARTERS/FOOTAGES: NE SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.265783 GEOLOGIST: TREWORGY,J
 CONFIDENTIAL: N LATITUDE: 38.557729 DATE COLLECTED: 0 / 0 / 1922
 SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 1349.0 LOG TYPE: Drillers Log
 SOURCE: EWING & MARQUIS WELL TYPE: Oil and Gas Test
 COMMENT: QUESTIONABLE THICKNESS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
434.0			UNCONSOLIDATED	90.0	0.0	
344.0			ROCK	279.0	90.0	
65.0			SHALE	17.0	369.0	
48.0			LIMESTONE	22.0	386.0	
26.0	CARBONDALE	HERRIN	COAL	5.0	408.0	
21.0			ROCK	936.0	413.0	

MAPID: 02700187000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 1 QUARTERS/FOOTAGES: NE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.265783 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557729 DATE COLLECTED: 0 / 0 / 1922

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 414.0 LOG TYPE: Drillers Log

SOURCE: EWING & MARQUIS WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
33.0	MODESTO	PIASA	LIMESTONE	7.0	402.0	
26.0	CARBONDALE	HERRIN	COAL	5.0	409.0	

MAPID: 02700417000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 1 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.262165 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.56591 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 1390.0 LOG TYPE:

SOURCE: YAGER&BRWN, STEFFEN WM WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
356.0	BOND	CARTHAGE	LIMESTONE	-	95.0	
26.0	CARBONDALE	HERRIN	COAL	-	425.0	CORRELATION UNCERTAIN

MAPID: 02702076000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 1 QUARTERS/FOOTAGES: 990' N line, 990' W line of SE

QUADRANGLE: CARLYLE LONGITUDE: -89.259991 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.556856 DATE COLLECTED: 5 / 0 / 1964

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: OELZE, ELMER JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	MODESTO	PIASA	LIMESTONE	3.0	399.0	
56.0	MODESTO		UNCLASSIFIED	4.0	402.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
52.0	CARBONDALE	DANVILLE	COAL	1.0	406.0	
51.0	CARBONDALE		UNCLASSIFIED	16.0	407.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
35.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	423.0	
30.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	428.0	
27.5	CARBONDALE		UNCLASSIFIED	2.5	430.5	SHALE ABOVE BRERETON LIMESTONE
25.0	CARBONDALE	BRERETON	LIMESTONE	2.0	433.0	
23.0	CARBONDALE	ANNA	BLACK SHALE	2.0	435.0	
21.0	CARBONDALE	HERRIN	COAL	6.0	437.0	

MAPID: 02703723000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 1 QUARTERS/FOOTAGES: 990' S line, 990' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.269329 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.555003 DATE COLLECTED: 8 / 0 / 1969

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 402.0 LOG TYPE: Electric Log

SOURCE: FREY-MARINE OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	LIMESTONE	4.0	356.0	
87.0	MODESTO		UNCLASSIFIED	5.0	360.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
82.0	CARBONDALE	DANVILLE	COAL	0.5	365.0	
81.5	CARBONDALE		UNCLASSIFIED	15.5	365.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	381.0	
61.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	386.0	
58.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	389.0	
57.0	CARBONDALE		UNCLASSIFIED	3.0	390.0	SHALE ABOVE BRERETON LIMESTONE
54.0	CARBONDALE	BRERETON	LIMESTONE	3.0	393.0	
51.0	CARBONDALE	ANNA	BLACK SHALE	3.0	396.0	
48.0	CARBONDALE	HERRIN	COAL	3.0	399.0	

MAPID: 02703723000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 1 QUARTERS/FOOTAGES: 990' S line, 990' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.269329 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.555003 DATE COLLECTED:

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 404.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
89.0	MODESTO	PIASA	LIMESTONE	4.0	358.0	
85.0	CARBONDALE		SHALE	15.0	362.0	
70.0	CARBONDALE	GALUM	LIMESTONE	2.0	377.0	
68.0	CARBONDALE		SHALE	4.0	379.0	
64.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	383.0	
60.0	CARBONDALE	LAWSON	SHALE	7.0	387.0	
53.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	394.0	
49.0	CARBONDALE	ANNA	SHALE	2.0	398.0	
47.0	CARBONDALE	HERRIN	COAL	4.5	400.0	

MAPID: 02700421000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.283298 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554804 DATE COLLECTED: 3 / 0 / 1940

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 433.0 LOG TYPE: Electric Log

SOURCE: PRAY & BELL OIL CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	MODESTO	PIASA	LIMESTONE	5.0	388.0	
66.0	MODESTO		UNCLASSIFIED	5.0	393.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
61.0	CARBONDALE	DANVILLE	COAL	2.0	398.0	
59.0	CARBONDALE		UNCLASSIFIED	13.0	400.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
46.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	413.0	
40.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	418.5	
37.0	CARBONDALE		UNCLASSIFIED	3.5	422.0	SHALE ABOVE BRERETON LIMESTONE
33.5	CARBONDALE	BRERETON	LIMESTONE	2.5	425.5	
31.0	CARBONDALE	ANNA	BLACK SHALE	2.0	428.0	
29.0	CARBONDALE	HERRIN	COAL	3.0	430.0	

MAPID: 02700421000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.283298 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.554804 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 2903.0 LOG TYPE:

SOURCE: PRAY&BELL, KNOLHOFF 2 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.0	CARBONDALE	HERRIN	COAL	-	428.0	

MAPID: 02700424000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: 660' S line, 79' W line of SE

QUADRANGLE: CARLYLE LONGITUDE: -89.28187 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.553909 DATE COLLECTED: 3 / 0 / 1940

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 428.0 LOG TYPE: Electric Log

SOURCE: BURROUGHS, O. W. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	MODESTO	PIASA	LIMESTONE	8.0	381.0	
64.0	MODESTO		UNCLASSIFIED	3.0	389.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
61.0	CARBONDALE	DANVILLE	COAL	2.0	392.0	
59.0	CARBONDALE		UNCLASSIFIED	13.0	394.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
46.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	407.0	
40.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	413.0	
37.0	CARBONDALE		UNCLASSIFIED	3.0	416.0	SHALE ABOVE BRERETON LIMESTONE
34.0	CARBONDALE	ANNA	BLACK SHALE	3.0	419.0	
31.0	CARBONDALE	HERRIN	COAL	6.0	422.0	

MAPID: 02700425000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: 150' N line, 592' W line of SW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.280044 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55535 DATE COLLECTED: 5 / 0 / 1940

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 465.0 LOG TYPE: Electric Log

SOURCE: BURROUGHS, O. W. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.6	MODESTO	PIASA	LIMESTONE	7.5	417.4	
60.1	MODESTO		UNCLASSIFIED	5.0	424.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
55.1	CARBONDALE	DANVILLE	COAL	2.0	429.9	
53.1	CARBONDALE		UNCLASSIFIED	11.0	431.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
42.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	442.9	
36.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	448.9	
32.8	CARBONDALE		UNCLASSIFIED	3.3	452.2	SHALE ABOVE BRERETON LIMESTONE
29.5	CARBONDALE	BRERETON	LIMESTONE	2.0	455.5	
27.5	CARBONDALE	ANNA	BLACK SHALE	2.5	457.5	
25.0	CARBONDALE	HERRIN	COAL	5.0	460.0	

MAPID: 02701018000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: 200' S line, 480' E line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.283853 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.552604 DATE COLLECTED: 6 / 0 / 1940

SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: PRAY DRLG CO WELL TYPE: Plugged and/or Abandoned

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	4.0		
-	MODESTO		UNCLASSIFIED	4.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	15.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5		
-	CARBONDALE		UNCLASSIFIED	2.5		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	ANNA	BLACK SHALE	2.0		
-	CARBONDALE	HERRIN	COAL	6.0		ELEVATION OF HERRIN = 30

MAPID: 02701045000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: SW NW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.290155 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.563899 DATE COLLECTED: 6 / 0 / 1946

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: BLALACK, JOE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.5	MODESTO	PIASA	LIMESTONE	4.5	396.5	
34.0	MODESTO		UNCLASSIFIED	3.5	401.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
30.5	CARBONDALE	DANVILLE	COAL	1.5	404.5	
29.0	CARBONDALE		UNCLASSIFIED	16.0	406.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
13.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	422.0	
7.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.0	428.0	
6.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	429.0	
5.0	CARBONDALE		UNCLASSIFIED	5.0	430.0	SHALE ABOVE BRERETON LIMESTONE
0.0	CARBONDALE	BRERETON	LIMESTONE	3.0	435.0	
-3.0	CARBONDALE	ANNA	BLACK SHALE	2.0	438.0	
-5.0	CARBONDALE	HERRIN	COAL	3.0	440.0	

MAPID: 02701045000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: SW NW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.290155

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.563899

DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 1335.0

LOG TYPE:

SOURCE: BLALACK J, KLEIBCKR H 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
362.0	BOND	CARTHAGE	LIMESTONE	-	70.0	
-5.0	CARBONDALE	HERRIN	COAL	-	437.0	

MAPID: 02701347000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: 1650' N line, 2310' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.283223

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.562133

DATE COLLECTED: 10 / 0 / 1954

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 430.0

LOG TYPE: Electric Log

SOURCE: RIM OIL CO

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	MODESTO	PIASA	LIMESTONE	6.0	384.0	
40.0	MODESTO		UNCLASSIFIED	6.0	390.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
34.0	CARBONDALE	DANVILLE	COAL	1.0	396.0	
33.0	CARBONDALE		UNCLASSIFIED	13.0	397.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
20.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	410.0	
14.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	416.0	
10.5	CARBONDALE		UNCLASSIFIED	3.5	419.5	SHALE ABOVE BRERETON LIMESTONE
7.0	CARBONDALE	BRERETON	LIMESTONE	1.0	423.0	
6.0	CARBONDALE	ANNA	BLACK SHALE	1.0	424.0	
5.0	CARBONDALE	HERRIN	COAL	5.0	425.0	

MAPID: 02701347000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: 1650' N line, 2310' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.283223

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.562133

DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 431.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
43.5	MODESTO	PIASA	LIMESTONE	6.0	386.5
37.5	CARBONDALE		SHALE	13.0	392.5
24.5	CARBONDALE	GALUM	LIMESTONE	2.0	405.5
22.5	CARBONDALE		SHALE	4.0	407.5
18.5	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	411.5
13.5	CARBONDALE	LAWSON	SHALE	9.0	416.5
4.5	CARBONDALE	BRERETON	LIMESTONE	0.5	425.5
4.0	CARBONDALE	HERRIN	COAL	5.0	426.0

MAPID: 02724279000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 2 QUARTERS/FOOTAGES: SE SE

QUADRANGLE: CARLYLE LONGITUDE: -89.275154

GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.554015

DATE COLLECTED: 12 / 28 / 1972

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 401.1

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 15557-C

WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
201.5			COAL	1.4	246.5
86.4	SHELBURN	DANVILLE	COAL	2.4	361.6
74.2			COAL	0.5	373.8
53.5	CARBONDALE	HERRIN	COAL	5.1	394.5

MAPID: 02701048000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: SW NW NW
 QUADRANGLE: CARLYLE LONGITUDE: -89.308939 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.563876 DATE COLLECTED: 6 / 0 / 1947
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 458.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.5	MODESTO	PIASA	LIMESTONE	3.5	414.5	
37.0	MODESTO		UNCLASSIFIED	4.5	418.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
32.5	CARBONDALE		UNCLASSIFIED	15.5	422.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
17.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	438.0	
11.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	444.0	
8.0	CARBONDALE		UNCLASSIFIED	3.0	447.0	SHALE ABOVE BRERETON LIMESTONE
5.0	CARBONDALE	BRERETON	LIMESTONE	1.0	450.0	
4.0	CARBONDALE	ANNA	BLACK SHALE	1.0	451.0	
3.0	CARBONDALE	HERRIN	COAL	6.0	452.0	

MAPID: 02701048000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: SW NW NW
 QUADRANGLE: CARLYLE LONGITUDE: -89.308939 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.563876 DATE COLLECTED: 0 / 0 / 1947
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 1605.0 LOG TYPE:
 SOURCE: CARTER OC, BRINK E E 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
4.0	CARBONDALE	HERRIN	COAL	-	451.0	

MAPID: 02701048000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: SW NW NW
 QUADRANGLE: CARLYLE LONGITUDE: -89.308939 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.563876 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 1148.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-29.0	CARBONDALE	SPRINGFIELD	COAL	-	484.0	
-113.0	CARBONDALE	COLCHESTER	COAL	-	568.0	
-693.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1148.0	

MAPID: 02701049000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.292523 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.562045 DATE COLLECTED: 7 / 0 / 1946

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: BLALACK, JOE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	MODESTO	PIASA	LIMESTONE	5.0	389.0	
34.0	MODESTO		UNCLASSIFIED	4.0	394.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
30.0	CARBONDALE	DANVILLE	COAL	2.0	398.0	
28.0	CARBONDALE		UNCLASSIFIED	13.5	400.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
14.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	413.5	
7.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	420.5	
4.5	CARBONDALE		UNCLASSIFIED	3.0	423.5	SHALE ABOVE BRERETON LIMESTONE
1.5	CARBONDALE	BRERETON	LIMESTONE	2.5	426.5	
-1.0	CARBONDALE	ANNA	BLACK SHALE	1.0	429.0	
-2.0	CARBONDALE	HERRIN	COAL	4.0	430.0	

MAPID: 02701049000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.292523 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.562045 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 1326.0 LOG TYPE:

SOURCE: BLALACK J, BRANDHORST 2 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-2.0	CARBONDALE	HERRIN	COAL	-	430.0	

MAPID: 02701049000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.292523 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.562045 DATE COLLECTED: 7 / 0 / 1946

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 865.0 LOG TYPE: Electric Log

SOURCE: BLALACK, JOE WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	MODESTO	PIASA	UNCLASSIFIED	-	390.0	
-4.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	432.0	
-33.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.0	461.0	
-116.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	544.0	
-154.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	582.0	
-437.0	BASE OF PENN.		UNCLASSIFIED	-	865.0	

MAPID: 02701576000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: 990' S line, 330' W line of NE

QUADRANGLE: CARLYLE LONGITUDE: -89.299602 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.561986 DATE COLLECTED: 8 / 0 / 1957

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	MODESTO	PIASA	LIMESTONE	9.0	401.0	
30.0	MODESTO		UNCLASSIFIED	4.0	410.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
26.0	CARBONDALE		UNCLASSIFIED	11.0	414.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
15.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	425.0	
10.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	430.0	
6.5	CARBONDALE		UNCLASSIFIED	3.5	433.5	SHALE ABOVE BRERETON LIMESTONE
3.0	CARBONDALE	BRERETON	LIMESTONE	2.0	437.0	
1.0	CARBONDALE	ANNA	BLACK SHALE	2.0	439.0	
-1.0	CARBONDALE	HERRIN	COAL	2.0	441.0	

MAPID: 02702354000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: 330' N line, 2310' W line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.302193 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55833 DATE COLLECTED: 4 / 0 / 1952

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 447.0 LOG TYPE: Electric Log

SOURCE: RYAN OIL CO., ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.0	MODESTO	PIASA	LIMESTONE	4.0	404.0	
39.0	MODESTO		UNCLASSIFIED	3.0	408.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
36.0	CARBONDALE	DANVILLE	COAL	1.5	411.0	
34.5	CARBONDALE		UNCLASSIFIED	13.5	412.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
21.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	426.0	
15.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	432.0	
11.5	CARBONDALE		UNCLASSIFIED	3.5	435.5	SHALE ABOVE BRERETON LIMESTONE
8.0	CARBONDALE	BRERETON	LIMESTONE	2.5	439.0	
5.5	CARBONDALE	ANNA	BLACK SHALE	1.5	441.5	
4.0	CARBONDALE	HERRIN	COAL	4.0	443.0	

MAPID: 02703282000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 3 QUARTERS/FOOTAGES: 990' S line, 990' W line of SE SE

QUADRANGLE: CARLYLE LONGITUDE: -89.292728 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554647 DATE COLLECTED: 8 / 0 / 1966

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 420.5 LOG TYPE: Electric Log

SOURCE: SCHAEFER OIL COMPANY WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.5	MODESTO	PIASA	LIMESTONE	4.0	376.5	
66.5	MODESTO		UNCLASSIFIED	5.0	380.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
61.5	CARBONDALE		UNCLASSIFIED	14.0	385.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
47.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	399.5	
43.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	403.5	
39.5	CARBONDALE		UNCLASSIFIED	4.0	407.5	SHALE ABOVE BRERETON LIMESTONE
35.5	CARBONDALE	BRERETON	LIMESTONE	5.0	411.5	
30.5	CARBONDALE	ANNA	BLACK SHALE	0.5	416.5	
30.0	CARBONDALE	HERRIN	COAL	3.5	417.0	

MAPID: 02703977000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 3 **QUARTERS/FOOTAGES:** 0' N line, 0' W line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.30999 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.566609 **DATE COLLECTED:** 5 / 17 / 1971
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 493.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12610 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
0.8	SHELburn	DANVILLE	COAL	1.4	444.2
-33.6	CARBONDALE	HERRIN	COAL	5.4	478.6

MAPID: 02703977000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 3 **QUARTERS/FOOTAGES:** 0' N line, 0' W line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.30999 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.566609 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 484.4 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12610 **WELL TYPE:** Coal Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
18.1	MODESTO	PIASA	LIMESTONE	4.7	426.9
13.4	MODESTO		SILTY SHALE	14.1	431.6
-0.7	CARBONDALE	DANVILLE	COAL	1.4	445.7
-2.1	CARBONDALE		SILTY SHALE	15.9	447.1
-18.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.2	463.0
-25.2	CARBONDALE	LAWSON	DARK GRAY SHALE	7.3	470.2
-32.4	CARBONDALE	BRERETON	LIMESTONE	1.6	477.4
-34.0	CARBONDALE	HERRIN	COAL	5.4	479.0

MAPID: 02700269000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 4 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.311698 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.552722 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 454.0 **LOG TYPE:** Drillers Log
SOURCE: WISE & GOLDSCHMIDT **WELL TYPE:** Unsuccessful or Unknown Results
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-4.0	CARBONDALE	HERRIN	COAL	5.0	449.0

MAPID: 02700269000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 4 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.311698 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.552722 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 444.4 **LOGGED (FT.):** 1425.0 **LOG TYPE:**
SOURCE: WISE&GLDSC, SCHUCHMANN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-4.6	CARBONDALE	HERRIN	COAL	-	449.0	

MAPID: 02703272000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' N line, 2310' E line of SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.318444 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.558246 **DATE COLLECTED:** 6 / 0 / 1966
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 483.0 **LOG TYPE:** Electric Log
SOURCE: JET OIL CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-4.0	CARBONDALE	HERRIN	COAL	8.0	475.0	

MAPID: 02703316000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.344352 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.556117 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 438.0 **LOGGED (FT.):** 1090.0 **LOG TYPE:** Electric Log
SOURCE: ERNEST, R. D. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-13.0	CARBONDALE	SPRINGFIELD	COAL	-	451.0	
-130.0	CARBONDALE	COLCHESTER	COAL	-	568.0	
-652.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1090.0	

MAPID: 02703316000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.344352 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.556117 DATE COLLECTED: 2 / 0 / 1967
 SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: ERNEST, R. D. WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
-	MODESTO	PIASA	LIMESTONE	4.0	

MAPID: 02724613000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 5 QUARTERS/FOOTAGES:
 QUADRANGLE: CARLYLE LONGITUDE: -89.338403 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.55898 DATE COLLECTED: 10 / 22 / 1974
 SURFACE ELEVATION (FT.): 443.5 LOGGED (FT.): 454.7 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 15646C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
-				-	

MAPID: 02700454000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: NE NE NE
 QUADRANGLE: CARLYLE LONGITUDE: -89.349349 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.565319 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 1282.0 LOG TYPE:
 SOURCE: MCNEIL F A, VOGEL 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
15.0	CARBONDALE	HERRIN	COAL	- 430.0	CORRELATION UNCERTAIN

MAPID: 02701345000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: CARLYLE LONGITUDE: -89.358946 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557811 DATE COLLECTED: 9 / 0 / 1953

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	MODESTO	PIASA	LIMESTONE	4.0	408.0	
34.0	MODESTO		UNCLASSIFIED	2.0	412.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
32.0	CARBONDALE		UNCLASSIFIED	9.0	414.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
23.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	2.0	423.0	
21.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.0	425.0	
20.0	CARBONDALE		UNCLASSIFIED	1.0	426.0	SHALE ABOVE BRERETON LIMESTONE
19.0	CARBONDALE	BRERETON	LIMESTONE	1.0	427.0	
18.0	CARBONDALE	ANNA	BLACK SHALE	1.0	428.0	
17.0	CARBONDALE	HERRIN	COAL	5.0	429.0	

MAPID: 02701714000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 1650' E line of NW

QUADRANGLE: CARLYLE LONGITUDE: -89.36594 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.563327 DATE COLLECTED: 7 / 0 / 1959

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 438.0 LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	MODESTO	PIASA	LIMESTONE	3.5	405.0	
41.5	MODESTO		UNCLASSIFIED	3.0	408.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
38.5	CARBONDALE		UNCLASSIFIED	10.0	411.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
28.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	421.5	
23.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	426.5	
22.0	CARBONDALE		UNCLASSIFIED	1.5	428.0	SHALE ABOVE BRERETON LIMESTONE
20.5	CARBONDALE	BRERETON	LIMESTONE	3.0	429.5	
17.5	CARBONDALE	ANNA	BLACK SHALE	1.5	432.5	
16.0	CARBONDALE	HERRIN	COAL	4.0	434.0	

MAPID: 02701717000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 4950' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.365236 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.563335 DATE COLLECTED: 7 / 0 / 1959

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 425.5 LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	MODESTO	PIASA	LIMESTONE	3.0	390.0	
49.0	MODESTO		UNCLASSIFIED	3.0	393.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
46.0	CARBONDALE	DANVILLE	COAL	1.0	396.0	
45.0	CARBONDALE		UNCLASSIFIED	8.0	397.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
37.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	405.0	
30.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	411.5	
26.5	CARBONDALE		UNCLASSIFIED	4.0	415.5	SHALE ABOVE BRERETON LIMESTONE
22.5	CARBONDALE	BRERETON	LIMESTONE	1.0	419.5	
21.5	CARBONDALE	ANNA	BLACK SHALE	0.5	420.5	
21.0	CARBONDALE	HERRIN	COAL	4.5	421.0	

MAPID: 02701717000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 4950' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.365236 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.563335 DATE COLLECTED:

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.5	MODESTO	PIASA	CALCAREOUS SHALE	2.0	394.5	
45.5	CARBONDALE		SHALE	13.0	396.5	
32.5	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	409.5	
26.5	CARBONDALE	LAWSON	SHALE	9.0	415.5	
17.5	CARBONDALE	BRERETON	LIMESTONE	0.5	424.5	
17.0	CARBONDALE	HERRIN	COAL	5.0	425.0	

MAPID: 02702367000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.355159 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.557859 **DATE COLLECTED:** 8 / 0 / 1953
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: SHULMAN BROS. INC. **WELL TYPE:** Plugged and/or Abandoned
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	4.0	

MAPID: 02702368000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.355156 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.559681 **DATE COLLECTED:** 9 / 0 / 1953
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: SHULMAN BROS. INC. **WELL TYPE:** Dry Hole
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	4.0	

MAPID: 02702369000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.355167 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.555976 **DATE COLLECTED:** 12 / 0 / 1953
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: SHULMAN BROS. INC. **WELL TYPE:** Dry Hole
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	4.0	

MAPID: 02702370000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.361267 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557784 DATE COLLECTED: 11 / 0 / 1953

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	MODESTO	PIASA	LIMESTONE	4.5	396.0	
45.5	MODESTO		UNCLASSIFIED	1.5	400.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
44.0	CARBONDALE		UNCLASSIFIED	7.5	402.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
36.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	409.5	
29.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	416.5	
26.0	CARBONDALE		UNCLASSIFIED	3.5	420.0	SHALE ABOVE BRERETON LIMESTONE
22.5	CARBONDALE	BRERETON	LIMESTONE	1.0	423.5	
21.5	CARBONDALE	ANNA	BLACK SHALE	0.5	424.5	
21.0	CARBONDALE	HERRIN	COAL	5.0	425.0	

MAPID: 02702374000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 990' E line of SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.363567 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554043 DATE COLLECTED: 1 / 0 / 1954

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 409.0 LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	MODESTO	PIASA	LIMESTONE	3.0	369.0	
58.0	MODESTO		UNCLASSIFIED	5.5	372.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
52.5	CARBONDALE	DANVILLE	COAL	1.0	377.5	
51.5	CARBONDALE		UNCLASSIFIED	11.5	378.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
40.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	390.0	
33.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	397.0	
30.0	CARBONDALE		UNCLASSIFIED	3.0	400.0	SHALE ABOVE BRERETON LIMESTONE
27.0	CARBONDALE	ANNA	BLACK SHALE	1.0	403.0	
26.0	CARBONDALE	HERRIN	COAL	5.0	404.0	

MAPID: 02703186000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.358926 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554103 DATE COLLECTED: 12 / 0 / 1964

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 446.0 LOG TYPE: Electric Log

SOURCE: ERNEST, R. D. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
35.1	MODESTO	PIASA	LIMESTONE	3.5	409.9	
31.6	MODESTO		UNCLASSIFIED	2.5	413.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
29.1	CARBONDALE		UNCLASSIFIED	10.0	415.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
19.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	425.9	
12.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	432.9	
9.8	CARBONDALE		UNCLASSIFIED	2.3	435.2	SHALE ABOVE BRERETON LIMESTONE
7.5	CARBONDALE	BRERETON	LIMESTONE	1.5	437.5	
6.0	CARBONDALE	ANNA	BLACK SHALE	1.0	439.0	
5.0	CARBONDALE	HERRIN	COAL	6.0	440.0	

MAPID: 02703189000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.361246 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554073 DATE COLLECTED: 12 / 0 / 1964

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 432.5 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.5	MODESTO	PIASA	LIMESTONE	3.0	394.5	
40.5	MODESTO		UNCLASSIFIED	5.0	397.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
35.5	CARBONDALE	DANVILLE	COAL	1.0	402.5	
34.5	CARBONDALE		UNCLASSIFIED	9.5	403.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
25.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	413.0	
18.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	419.5	
15.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	422.5	
14.5	CARBONDALE		UNCLASSIFIED	2.5	423.5	SHALE ABOVE BRERETON LIMESTONE
12.0	CARBONDALE	BRERETON	LIMESTONE	1.0	426.0	
11.0	CARBONDALE	ANNA	BLACK SHALE	1.0	427.0	
10.0	CARBONDALE	HERRIN	COAL	4.5	428.0	

MAPID: 02725015000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 6 **QUARTERS/FOOTAGES:** NE SE SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.361605 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.554051 **DATE COLLECTED:** 0 / 0 / 1979
SURFACE ELEVATION (FT.): 430.0 **LOGGED (FT.):** 466.0 **LOG TYPE:** Electric Log
SOURCE: FREEMAN UNITED CAR-1-79 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
5.0	CARBONDALE	HERRIN	COAL	5.0	425.0	
-20.0	CARBONDALE	SPRINGFIELD	COAL	4.0	450.0	

MAPID: 02700489000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.370633 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.550233 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 0.0 **LOG TYPE:** Drillers Log
SOURCE: PHILLIPS PETROLEUM CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	4.0		
-	MODESTO		UNCLASSIFIED	2.5		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	8.5		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0		
-	CARBONDALE		UNCLASSIFIED	4.0		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	1.0		
-	CARBONDALE	ANNA	BLACK SHALE	1.0		
-	CARBONDALE	HERRIN	COAL	4.0		ELEVATION OF HERRIN = 36

MAPID: 02700489000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.370633 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.550233 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 422.0 **LOGGED (FT.):** 1505.0 **LOG TYPE:**
SOURCE: PHILLIPS, ACKERMAN B 1 **WELL TYPE:**
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
7.0	CARBONDALE	HERRIN	COAL	-	415.0	

MAPID: 02701723000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** 426' S line, 330' E line of NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.349205 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.545353 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 2634.0 **LOG TYPE:** Electric Log
SOURCE: LIPPITT HARRY R **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-153.0	CARBONDALE	COLCHESTER	COAL	-	600.0	
-641.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1088.0	
-2145.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2592.0	TOP OF NEW ALBANY
-2149.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2596.0	
-2187.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2634.0	BASE OF NEW ALBANY

MAPID: 02701723000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** 426' S line, 330' E line of NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.349205 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.545353 **DATE COLLECTED:** 0 / 0 / 1951
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: LIPPITT HARRY R **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02700455000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 8 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.335182 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.538007 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 1273.0 **LOG TYPE:**
SOURCE: UNION PIPE, TWENHOFEL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
35.0	CARBONDALE	HERRIN	COAL	-	410.0	

MAPID: 02701047000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.335087 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.547079 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1318.0 **LOG TYPE:**
SOURCE: BAYER K M, BERRY F J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
16.0	CARBONDALE	HERRIN	COAL	-	435.0	

MAPID: 02701991000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: CARLYLE LONGITUDE: -89.332804 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54167 DATE COLLECTED: 6 / 0 / 1963

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 421.5 LOG TYPE: Electric Log

SOURCE: IL LEASE OPERATING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	MODESTO	PIASA	LIMESTONE	3.0	386.0	
44.0	MODESTO		UNCLASSIFIED	2.5	389.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
41.5	CARBONDALE	DANVILLE	COAL	1.0	391.5	
40.5	CARBONDALE		UNCLASSIFIED	9.5	392.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
31.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	402.0	
25.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	407.5	
22.5	CARBONDALE		UNCLASSIFIED	3.0	410.5	SHALE ABOVE BRERETON LIMESTONE
19.5	CARBONDALE	BRERETON	LIMESTONE	1.5	413.5	
18.0	CARBONDALE	ANNA	BLACK SHALE	1.0	415.0	
17.0	CARBONDALE	HERRIN	COAL	5.5	416.0	

MAPID: 02702042000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: CARLYLE LONGITUDE: -89.337475 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545238 DATE COLLECTED: 2 / 0 / 1964

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 428.0 LOG TYPE: Drillers Log

SOURCE: OELZE, ELMER JR. WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.5	MODESTO	PIASA	LIMESTONE	3.5	391.5	
49.0	MODESTO		UNCLASSIFIED	4.0	395.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
45.0	CARBONDALE	DANVILLE	COAL	1.0	399.0	
44.0	CARBONDALE		UNCLASSIFIED	10.5	400.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
33.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	410.5	
27.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	417.0	
25.0	CARBONDALE		UNCLASSIFIED	2.0	419.0	SHALE ABOVE BRERETON LIMESTONE
23.0	CARBONDALE	BRERETON	LIMESTONE	1.0	421.0	
22.0	CARBONDALE	ANNA	BLACK SHALE	1.0	422.0	
21.0	CARBONDALE	HERRIN	COAL	5.0	423.0	

MAPID: 02702044000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.342243 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.539723 DATE COLLECTED: 1 / 0 / 1964

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 431.0 LOG TYPE: Electric Log

SOURCE: BURKETT, M. D. OIL WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	MODESTO	PIASA	LIMESTONE	4.5	395.0	
47.5	MODESTO		UNCLASSIFIED	2.0	399.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
45.5	CARBONDALE		UNCLASSIFIED	11.5	401.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
34.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	413.0	
26.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	420.5	
24.0	CARBONDALE		UNCLASSIFIED	2.5	423.0	SHALE ABOVE BRERETON LIMESTONE
21.5	CARBONDALE	BRERETON	LIMESTONE	1.0	425.5	
20.5	CARBONDALE	ANNA	BLACK SHALE	0.5	426.5	
20.0	CARBONDALE	HERRIN	COAL	4.0	427.0	

MAPID: 02702049000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 430' S line, 330' W line of NE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.342221 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.541821 DATE COLLECTED: 2 / 0 / 1964

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 425.5 LOG TYPE: Electric Log

SOURCE: BURKETT, M. D. OIL WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	MODESTO	PIASA	LIMESTONE	4.0	393.0	
52.0	MODESTO		UNCLASSIFIED	3.0	397.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
49.0	CARBONDALE		UNCLASSIFIED	7.5	400.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
41.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	407.5	
34.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	415.0	
32.0	CARBONDALE		UNCLASSIFIED	2.0	417.0	SHALE ABOVE BRERETON LIMESTONE
30.0	CARBONDALE	BRERETON	LIMESTONE	0.5	419.0	
29.5	CARBONDALE	ANNA	BLACK SHALE	0.5	419.5	
29.0	CARBONDALE	HERRIN	COAL	5.5	420.0	

MAPID: 02702053000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 990' N line, 330' E line of NW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.344545 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.541504 DATE COLLECTED: 12 / 0 / 1963

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: MCCULLUM & KINCAID WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02702066000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.337515 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.541608 DATE COLLECTED: 4 / 0 / 1964

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 426.0 LOG TYPE: Electric Log

SOURCE: IL LEASE OPERATING WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	MODESTO	PIASA	LIMESTONE	3.0	388.0	
53.0	MODESTO		UNCLASSIFIED	3.5	391.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
49.5	CARBONDALE	DANVILLE	COAL	1.5	394.5	
48.0	CARBONDALE		UNCLASSIFIED	11.0	396.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
37.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	407.0	
30.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	414.0	
27.5	CARBONDALE		UNCLASSIFIED	2.5	416.5	SHALE ABOVE BRERETON LIMESTONE
25.0	CARBONDALE	ANNA	BLACK SHALE	1.0	419.0	
24.0	CARBONDALE	HERRIN	COAL	6.0	420.0	

MAPID: 02703772000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.337345 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.54521 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 429.8 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9020-C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.6	CARBONDALE		GRAY SHALE	20.0	389.4	
30.6	CARBONDALE	BANKSTON FORK	LIMESTONE	6.1	409.4	UPPER BENCH
24.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.1	415.5	SHALE PARTING
23.4	CARBONDALE	BANKSTON FORK	LIMESTONE	1.4	416.6	LOWER BENCH
22.0	CARBONDALE	LAWSON	DARK GRAY SHALE	3.8	418.0	
18.2	CARBONDALE	CONANT	LIMESTONE	0.2	421.8	
18.0	CARBONDALE		DARK GRAY SHALE	0.8	422.0	
17.1	CARBONDALE	BRERETON	LIMESTONE	0.8	422.9	
16.4	CARBONDALE	ANNA	BLACK SHALE	1.4	423.6	
15.0	CARBONDALE	HERRIN	COAL	4.8	425.0	

MAPID: 02703772000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.337345 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54521 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 429.8 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 9020-C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.1	CARBONDALE	BANKSTON FORK	LIMESTONE	8.6	408.9	
22.5	CARBONDALE	ANVIL ROCK	SANDSTONE	3.0	417.5	
19.5	CARBONDALE	CONANT	LIMESTONE	2.0	420.5	
17.5	CARBONDALE	JAMESTOWN	COAL	0.1	422.5	
17.4	CARBONDALE		SHALE	0.2	422.6	
17.2	CARBONDALE	BRERETON	LIMESTONE	0.7	422.8	
16.5	CARBONDALE	ANNA	BLACK SHALE	1.5	423.5	
15.0	CARBONDALE	HERRIN	COAL	4.8	425.0	

MAPID: 02703772000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 8 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.337345 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.54521 DATE COLLECTED: 10 / 10 / 1969

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 441.0 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9020-C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
19.0	SHELBURN	CONANT	LIMESTONE	1.2	421.0	REMOVED BY CO.
17.4	SHELBURN	JAMESTOWN	COAL	0.1	422.6	REMOVED BY CO.
17.1	CARBONDALE	BRERETON	LIMESTONE	0.7	422.9	REMOVED BY CO.
15.0	CARBONDALE	HERRIN	COAL	4.8	425.0	REMOVED BY CO.

MAPID: 02701983000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.311849 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.538093 DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 2717.0 LOG TYPE: Electric Log

SOURCE: NATIONAL ASSOC. PETROLEUM CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-13.0	CARBONDALE	SPRINGFIELD	COAL	-	443.0	
-130.0	CARBONDALE	COLCHESTER	COAL	-	560.0	
-690.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1120.0	
-2240.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2670.0	TOP OF NEW ALBANY
-2244.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2674.0	
-2287.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2717.0	BASE OF NEW ALBANY

MAPID: 02701983000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.311849 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.538093 DATE COLLECTED: 4 / 0 / 1963

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 422.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	MODESTO	PIASA	LIMESTONE	4.0	384.0	
42.0	MODESTO		UNCLASSIFIED	3.0	388.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
39.0	CARBONDALE	DANVILLE	COAL	1.0	391.0	
38.0	CARBONDALE		UNCLASSIFIED	10.0	392.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
28.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	402.0	
21.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	409.0	
17.0	CARBONDALE		UNCLASSIFIED	2.0	413.0	SHALE ABOVE BRERETON LIMESTONE
15.0	CARBONDALE	ANNA	BLACK SHALE	1.0	415.0	
14.0	CARBONDALE	HERRIN	COAL	6.0	416.0	

MAPID: 02701997000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: CARLYLE LONGITUDE: -89.32806 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54536 DATE COLLECTED: 6 / 0 / 1963

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: THOMPSON, GEORGE A. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	MODESTO	PIASA	LIMESTONE	3.5	409.0	
54.5	MODESTO		UNCLASSIFIED	2.5	412.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
52.0	CARBONDALE		UNCLASSIFIED	15.0	415.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
37.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	430.0	
31.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	436.0	
27.0	CARBONDALE	CONANT	UNCLASSIFIED	0.5	440.0	
26.5	CARBONDALE		UNCLASSIFIED	1.5	440.5	SHALE ABOVE BRERETON LIMESTONE
25.0	CARBONDALE	BRERETON	LIMESTONE	1.0	442.0	
24.0	CARBONDALE	ANNA	BLACK SHALE	1.0	443.0	
23.0	CARBONDALE	HERRIN	COAL	6.0	444.0	

MAPID: 02702022000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.328097 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.541738 DATE COLLECTED: 10 / 0 / 1963

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: IL LEASE OPERATING WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	MODESTO	PIASA	LIMESTONE	3.0	399.0	
44.0	MODESTO		UNCLASSIFIED	1.0	402.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
43.0	CARBONDALE		UNCLASSIFIED	7.0	403.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
36.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	410.0	
30.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	416.0	
27.0	CARBONDALE		UNCLASSIFIED	3.0	419.0	SHALE ABOVE BRERETON LIMESTONE
24.0	CARBONDALE	ANNA	BLACK SHALE	1.0	422.0	
23.0	CARBONDALE	HERRIN	COAL	7.0	423.0	

MAPID: 02702786000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 9 QUARTERS/FOOTAGES: 790' S line, 990' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.314158 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.539369 DATE COLLECTED: 7 / 0 / 1964

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 422.0 LOG TYPE: Electric Log

SOURCE: IL LEASE OPERATING WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.0	MODESTO	PIASA	LIMESTONE	3.0	382.0	
41.0	MODESTO		UNCLASSIFIED	4.5	385.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
36.5	CARBONDALE	DANVILLE	COAL	1.5	389.5	
35.0	CARBONDALE		UNCLASSIFIED	11.0	391.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
24.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	402.0	
17.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	409.0	
13.0	CARBONDALE		UNCLASSIFIED	2.0	413.0	SHALE ABOVE BRERETON LIMESTONE
11.0	CARBONDALE	BRERETON	LIMESTONE	1.0	415.0	
10.0	CARBONDALE	ANNA	BLACK SHALE	1.0	416.0	
9.0	CARBONDALE	HERRIN	COAL	5.0	417.0	

MAPID: 02702787000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 990' W line of SW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.325792 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.539917 DATE COLLECTED: 7 / 0 / 1964

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 413.0 LOG TYPE: Electric Log

SOURCE: IL LEASE OPERATING WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.5	MODESTO	PIASA	LIMESTONE	3.5	377.5	
57.0	MODESTO		UNCLASSIFIED	4.0	381.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
53.0	CARBONDALE	DANVILLE	COAL	1.0	385.0	
52.0	CARBONDALE		UNCLASSIFIED	11.0	386.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
41.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.5	397.0	
37.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	400.5	
35.5	CARBONDALE		UNCLASSIFIED	2.0	402.5	SHALE ABOVE BRERETON LIMESTONE
33.5	CARBONDALE	BRERETON	LIMESTONE	1.5	404.5	
32.0	CARBONDALE	ANNA	BLACK SHALE	1.0	406.0	
31.0	CARBONDALE	HERRIN	COAL	6.0	407.0	

MAPID: 02704145000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 9 **QUARTERS/FOOTAGES:** 0' S line, 330' E line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.311855 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.537185 **DATE COLLECTED:** 2 / 19 / 1971
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 446.3 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 12601-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
151.1			COAL	1.1	283.9
-5.1	CARBONDALE	HERRIN	COAL	5.5	440.1

MAPID: 02704145000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 9 **QUARTERS/FOOTAGES:** 0' S line, 330' E line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.311855 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.537185 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 445.5 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12601-C **WELL TYPE:** Coal Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
31.2	MODESTO	PIASA	LIMESTONE	0.4	403.8
30.8	MODESTO		GRAY SHALE	5.8	404.2
25.0	CARBONDALE	DANVILLE	BONE COAL	1.5	410.0
23.5	CARBONDALE		SILTY SHALE	8.0	411.5
15.5	CARBONDALE	BANKSTON FORK	LIMESTONE	5.4	419.5
10.1	CARBONDALE	LAWSON	SILTY SHALE	3.0	424.9
7.1	CARBONDALE	CONANT	LIMESTONE	1.2	427.9
5.9	CARBONDALE		DARK GRAY SHALE	7.5	429.1
-1.6	CARBONDALE	ANNA	SILTY SHALE	3.4	436.6
-5.0	CARBONDALE	HERRIN	COAL	5.5	440.0

MAPID: 02703195000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.297553 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.545487 **DATE COLLECTED:** 1 / 0 / 1965
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 440.0 **LOG TYPE:** Electric Log
SOURCE: EVANS, CHARLES T. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
3.0	CARBONDALE	HERRIN	COAL	7.0	433.0

MAPID: 02703647000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 10 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.302538 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.541791 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 457.7 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8224 WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.8	MODESTO		SILTY SHALE	20.0	396.2	
23.8	CARBONDALE	DANVILLE	BONE COAL	1.4	416.2	
22.4	CARBONDALE		SILTY SHALE	17.8	417.6	
4.6	CARBONDALE	BANKSTON FORK	LIMESTONE	5.8	435.4	UPPER BENCH
-1.2	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.6	441.2	SHALE PARTING
-1.8	CARBONDALE	BANKSTON FORK	LIMESTONE	2.3	441.8	LOWER BENCH
-4.1	CARBONDALE	LAWSON	DARK GRAY SHALE	5.3	444.1	
-9.4	CARBONDALE	ANNA	DARK GRAY SHALE	2.7	449.4	
-12.0	CARBONDALE	HERRIN	COAL	5.7	452.0	

MAPID: 02703647000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 10 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.302538 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.541791 DATE COLLECTED:

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 458.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8224 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
7.7	CARBONDALE	DANVILLE	COAL	1.4	434.3	
6.3	CARBONDALE	BANKSTON FORK	LIMESTONE	8.7	435.7	
-2.4	CARBONDALE	ANVIL ROCK	SANDSTONE	5.3	444.4	
-7.7	CARBONDALE	CONANT	LIMESTONE	2.3	449.7	
-10.0	CARBONDALE	JAMESTOWN	COAL	0.2	452.0	
-10.2	CARBONDALE		SHALE	0.3	452.2	
-10.5	CARBONDALE	BRERETON	LIMESTONE	0.2	452.5	
-10.7	CARBONDALE	ANNA	BLACK SHALE	0.3	452.7	
-11.0	CARBONDALE	HERRIN	COAL	5.0	453.0	

MAPID: 02703647000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 10 **QUARTERS/FOOTAGES:** 1650' S line, 2310' W line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.302538 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.541791 **DATE COLLECTED:** 1 / 24 / 1969
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 459.2 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 8224 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-11.8	SHELburn	JAMESTOWN	COAL	0.2	451.8
-12.8	CARBONDALE	HERRIN	COAL	5.0	452.8

MAPID: 02724348000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 10 **QUARTERS/FOOTAGES:** 0' S line, 1320' E line of SE SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.296487 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.537277 **DATE COLLECTED:** 9 / 16 / 1974
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 454.4 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 15643-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
34.4	SHELburn	DANVILLE	COAL	2.9	415.6
10.0	CARBONDALE	HERRIN	COAL	5.2	440.0

MAPID: 02700457000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 11 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.283362 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.551148 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 1321.0 **LOG TYPE:**
SOURCE: BENOIST L, KNOLHOFF E 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
389.0	BOND	CARTHAGE	LIMESTONE	-	60.0
27.0	CARBONDALE	HERRIN	COAL	-	422.0

MAPID: 02700461000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 11 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.274143 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.545836 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 1365.0 **LOG TYPE:**
SOURCE: WILLI ETAL, NOLTING 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	-	410.0	CORRELATION UNCERTAIN

MAPID: 02700651000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.290528 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.543721 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 1336.0 **LOG TYPE:**
SOURCE: ROSS DRC, KNOLHOFF H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	CARBONDALE	HERRIN	COAL	-	414.0	

MAPID: 02701046000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 11 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.283399 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.549324 **DATE COLLECTED:** 4 / 0 / 1946
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 427.0 **LOG TYPE:** Electric Log
SOURCE: BENOIST, L. L. **WELL TYPE:** Producer-Oil
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	6.0	380.0	
71.0	MODESTO		UNCLASSIFIED	4.5	386.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.5	CARBONDALE		UNCLASSIFIED	13.5	390.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
53.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	404.0	
46.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	411.0	
42.0	CARBONDALE		UNCLASSIFIED	3.0	415.0	SHALE ABOVE BRERETON LIMESTONE
39.0	CARBONDALE	BRERETON	LIMESTONE	3.0	418.0	
36.0	CARBONDALE	ANNA	BLACK SHALE	2.0	421.0	
34.0	CARBONDALE	HERRIN	COAL	4.0	423.0	

MAPID: 02701046000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.283399 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.549324 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 1214.0 LOG TYPE:

SOURCE: BENOIST L, KNOLHOFF E 9 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	CARBONDALE	HERRIN	COAL	-	420.0	CORRELATION UNCERTAIN

MAPID: 02701344000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.285863 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.543807 DATE COLLECTED: 5 / 0 / 1952

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 429.0 LOG TYPE: Electric Log

SOURCE: BABARE, NICK, JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.5	MODESTO	PIASA	LIMESTONE	6.0	380.5	
61.5	MODESTO		UNCLASSIFIED	5.5	386.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
56.0	CARBONDALE		UNCLASSIFIED	16.0	392.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
40.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	408.0	
33.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	415.0	
30.5	CARBONDALE		UNCLASSIFIED	2.5	417.5	SHALE ABOVE BRERETON LIMESTONE
28.0	CARBONDALE	BRERETON	LIMESTONE	1.0	420.0	
27.0	CARBONDALE	ANNA	BLACK SHALE	1.0	421.0	
26.0	CARBONDALE	HERRIN	COAL	7.0	422.0	

MAPID: 02702014000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: 990' N line, 330' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.290402 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.549207 DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 432.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.5	MODESTO	PIASA	LIMESTONE	7.0	386.5	
57.5	CARBONDALE		SHALE	12.0	393.5	
45.5	CARBONDALE	GALUM	LIMESTONE	1.5	405.5	
44.0	CARBONDALE		SHALE	7.0	407.0	
37.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	414.0	
31.0	CARBONDALE	LAWSON	SHALE	7.0	420.0	
24.0	CARBONDALE	HERRIN	COAL	5.0	427.0	

MAPID: 02702380000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 271' E line of NW

QUADRANGLE: CARLYLE LONGITUDE: -89.283147 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551154 DATE COLLECTED: 7 / 0 / 1940

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: BENOIST, L. L. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.0	MODESTO	PIASA	LIMESTONE	6.0	373.0	
72.0	MODESTO		UNCLASSIFIED	3.0	379.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
69.0	CARBONDALE	DANVILLE	COAL	2.0	382.0	
67.0	CARBONDALE		UNCLASSIFIED	14.0	384.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
53.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	398.0	
46.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	405.0	
43.5	CARBONDALE		UNCLASSIFIED	2.5	407.5	SHALE ABOVE BRERETON LIMESTONE
41.0	CARBONDALE	BRERETON	LIMESTONE	1.0	410.0	
40.0	CARBONDALE	ANNA	BLACK SHALE	1.0	411.0	
39.0	CARBONDALE	HERRIN	COAL	4.0	412.0	

MAPID: 02702406000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.288102 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.547416 DATE COLLECTED: 5 / 0 / 1954

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 812.0 LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
68.0	MODESTO	PIASA	UNCLASSIFIED	-	386.0
26.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	428.0
-3.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.0	457.0
-82.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	536.0
-120.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	574.0
-358.0	BASE OF PENN.		UNCLASSIFIED	-	812.0

MAPID: 02703206000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.274031 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55131 DATE COLLECTED: 3 / 0 / 1965

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 455.0 LOG TYPE: Electric Log

SOURCE: OELZE, ELMER JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
5.0	CARBONDALE	HERRIN	COAL	7.0	448.0

MAPID: 02703344000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.290447 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.547376 DATE COLLECTED: 7 / 0 / 1967

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: SCHAEFER OIL COMPANY WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	MODESTO	PIASA	LIMESTONE	4.0	389.0	
55.0	MODESTO		UNCLASSIFIED	6.0	393.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
49.0	CARBONDALE		UNCLASSIFIED	14.0	399.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
35.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	413.0	
30.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	418.0	
27.0	CARBONDALE		UNCLASSIFIED	1.5	421.0	SHALE ABOVE BRERETON LIMESTONE
25.5	CARBONDALE	BRERETON	LIMESTONE	2.5	422.5	
23.0	CARBONDALE	ANNA	BLACK SHALE	3.0	425.0	
20.0	CARBONDALE	HERRIN	COAL	6.0	428.0	

MAPID: 02726150000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.285696 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551109 DATE COLLECTED:

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 2778.0 LOG TYPE: Electric Log

SOURCE: BARAK OIL CORP. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-16.0	CARBONDALE	SPRINGFIELD	COAL	-	463.0	
-118.0	CARBONDALE	COLCHESTER	COAL	-	565.0	
-684.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1131.0	
-2274.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2721.0	TOP OF NEW ALBANY
-2278.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2725.0	
-2331.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2778.0	BASE OF NEW ALBANY

MAPID: 02700188000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 1400' S line, 4275' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.269425

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.541519

DATE COLLECTED: 0 / 0 / 1908

SURFACE ELEVATION (FT.): 450.6 LOGGED (FT.): 700.0

LOG TYPE:

SOURCE: SCHURMAN H, HUSMANN WM 1

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
37.6	CARBONDALE	HERRIN	COAL	5.3	413.0

MAPID: 02700188000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 1400' S line, 4275' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.269425 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.541519 DATE COLLECTED: 0 / 0 / 1908

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 700.0 LOG TYPE: Survey Core Study

SOURCE: GERMANTOWN FLOUR MILLS WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
451.0			UNCONSOLIDATED	47.0	0.0	
404.0			ROCK	204.6	47.0	
199.4			COAL	1.3	251.6	
198.2			ROCK	132.8	252.8	
65.4	CARBONDALE	DANVILLE	COAL	2.7	385.6	W/SMALL SH AND PYRITE BANDS
62.8	CARBONDALE		SHALE	4.6	388.2	
58.2	CARBONDALE		LIMESTONE	4.2	392.8	
54.0	CARBONDALE		SHALE	2.6	397.0	
51.4	CARBONDALE		LIMESTONE	2.0	399.6	
49.4	CARBONDALE		SHALE	0.4	401.6	
49.0	CARBONDALE		LIMESTONE	1.0	402.0	
48.0	CARBONDALE		SHALE	0.8	403.0	
47.2	CARBONDALE		LIMESTONE	8.9	403.8	INCLUDES 4.16' OF "SHALE LIME"
38.3	CARBONDALE	HERRIN	COAL	5.3	412.7	
33.1	CARBONDALE		ROCK	21.7	417.9	
11.4	CARBONDALE	SPRINGFIELD	COAL	0.7	439.6	
10.8			ROCK	59.8	440.2	
-49.0			SHALE	20.8	500.0	
-69.8			BLACK SHALE	9.1	520.8	
-78.8			COAL	3.9	529.8	
-82.7			ROCK	83.8	533.7	
-166.5			COAL	0.2	617.5	
-166.7			ROCK	1.7	617.7	
-168.3			LIMESTONE AND SANDSTONE	8.7	619.3	"CONGLOMERATE, LIME & SAND"
-177.0			SHALE	14.8	628.0	
-191.8			COAL	4.8	642.8	
-196.7			ROCK	52.3	647.7	

MAPID: 02700188000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 1400' S line, 4275' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.269425 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.541519 DATE COLLECTED: 0 / 0 / 1908

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 418.3 LOG TYPE: Drillers Log

SOURCE: GERMANTOWN FLOUR MLS WELL TYPE: Unsuccessful or Unknown Results

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.4	MODESTO	PIASA	LIMESTONE	4.4	367.6	
79.0	MODESTO		UNCLASSIFIED	5.4	372.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
73.6	CARBONDALE		UNCLASSIFIED	15.6	377.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
58.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.2	393.0	
47.8	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	0.8	403.2	
47.0	CARBONDALE	CONANT	UNCLASSIFIED	1.8	404.0	
45.2	CARBONDALE		UNCLASSIFIED	4.2	405.8	SHALE ABOVE BRERETON LIMESTONE
41.0	CARBONDALE	BRERETON	LIMESTONE	3.0	410.0	
38.0	CARBONDALE	HERRIN	COAL	5.3	413.0	

MAPID: 02700188000C VERSION: 4

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 1400' S line, 4275' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.269425 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.541519 DATE COLLECTED: 0 / 0 / 1908

SURFACE ELEVATION (FT.): 450.6 LOGGED (FT.): 700.0 LOG TYPE: Drillers Log

SOURCE: GERMANTOWN FLOUR MILLS #1 WELL TYPE: Coal Test

COMMENT: 1/4 MILE W OF ROAD; 200' N OF R.R.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
450.6			SOIL	1.0	0.0	
449.6			SANDY CLAY	12.0	1.0	
437.6			SAND	12.0	13.0	
425.6			SANDY CLAY	20.0	25.0	
405.6			GRAVEL	2.0	45.0	
403.6	BOND	CARTHAGE	LIMESTONE	10.0	47.0	
393.6	MODESTO		SHALE	0.6	57.0	
393.0	MODESTO		BLACK SHALE	2.7	57.6	
390.3	MODESTO		CLAYSTONE & SHALE	5.9	60.3	
384.4	MODESTO		SANDY CLAYSTONE	69.5	66.2	
314.9	MODESTO		BLACK SHALE	3.0	135.7	
311.9	MODESTO		SHALE	3.0	138.7	
308.9	MODESTO		SHALE	6.8	141.7	
302.2	MODESTO		SANDY SHALE	13.0	148.4	
289.2	MODESTO		SHALE	1.6	161.4	
287.6	MODESTO		SANDSTONE	14.7	163.0	
272.9	MODESTO		ROCK	5.3	177.7	LS/SS/SH
267.6	MODESTO		SANDY SHALE	51.0	183.0	
216.6	MODESTO		SHALE	12.8	234.0	
203.8	MODESTO		LIMESTONE	0.8	246.8	
202.9	MODESTO		BLACK SHALE	1.1	247.7	
201.8	MODESTO		LIMESTONE	0.4	248.8	
201.4	MODESTO		BLACK SHALE	2.4	249.2	
199.0	MODESTO	CHAPEL	COAL	1.3	251.6	
197.8	MODESTO		CLAYSTONE	4.2	252.8	
193.6	MODESTO		SHALE & SANDSTONE	57.0	257.0	
136.6	MODESTO		SHALE	34.7	314.0	
101.9	MODESTO		SANDY SHALE	2.3	348.7	
99.6	MODESTO		SHALE	2.0	351.0	
97.6	MODESTO		SHALE	14.4	353.0	
83.2	MODESTO	PIASA	LIMESTONE	4.4	367.4	
78.8	MODESTO		SHALE	4.8	371.8	
73.9	MODESTO		SHALE	6.0	376.7	
67.9	MODESTO		BLACK SHALE	2.9	382.7	
65.0	CARBONDALE	DANVILLE	COAL	2.7	385.6	
62.3	CARBONDALE		SHALE	4.6	388.3	
57.8	CARBONDALE	BANKSTON FORK	LIMESTONE	4.2	392.8	
53.6	CARBONDALE	BANKSTON FORK	SHALE	0.4	397.0	
53.2	CARBONDALE	BANKSTON FORK	LIMESTONE	2.2	397.4	

51.0	CARBONDALE		SHALE	2.0	399.6	
49.0	CARBONDALE		LIMESTONE	1.4	401.6	
47.6	CARBONDALE		SHALE	0.8	403.0	
46.8	CARBONDALE		LIMESTONE	1.8	403.8	
45.1	CARBONDALE		CALCAREOUS SHALE	4.2	405.5	OR LS CGL
40.9	CARBONDALE	BRERETON	LIMESTONE	3.0	409.7	
37.9	CARBONDALE	HERRIN	COAL	4.3	412.7	
33.6	CARBONDALE		SANDY SHALE	2.0	417.0	
31.6	CARBONDALE		SANDSTONE	9.0	419.0	
22.6	CARBONDALE		SANDY SHALE	4.0	428.0	
18.6	CARBONDALE		SHALE	5.0	432.0	W/ COAL STREAKS AT BASE
13.6	CARBONDALE	SPRINGFIELD	COAL	0.7	437.0	
12.9	CARBONDALE		SHALE	18.3	437.7	
-5.4	CARBONDALE		CLAYSTONE & SILTSTONE	10.0	456.0	
-15.4	CARBONDALE		SANDSTONE	3.0	466.0	
-18.4	CARBONDALE		SHALE	3.0	469.0	
-21.4	CARBONDALE		SANDSTONE	10.0	472.0	
-31.4	CARBONDALE		SANDY SHALE	5.0	482.0	
-36.4	CARBONDALE		CLAYSTONE & SHALE	5.0	487.0	
-41.4	CARBONDALE		SHALE	20.0	492.0	
-61.4	CARBONDALE		SHALE	5.0	512.0	W/ LS BANDS
-66.4	CARBONDALE	EXCELLO	BLACK SHALE	10.0	517.0	
-76.4	CARBONDALE	HOUCHIN CREEK	COAL	4.0	527.0	
-80.4	CARBONDALE		CLAYSTONE & SHALE	1.0	531.0	
-81.4	CARBONDALE		SHALE	2.0	532.0	
-83.4	CARBONDALE		CLAYSTONE & SHALE	2.0	534.0	
-85.4	CARBONDALE		SHALE	16.0	536.0	
-101.4	CARBONDALE		SANDY SHALE	0.7	552.0	
-102.1	CARBONDALE		CLAYSTONE & SHALE	0.7	552.7	
-102.7	CARBONDALE		SANDY SHALE	0.7	553.3	
-103.4	CARBONDALE		SANDY SHALE	18.0	554.0	
-121.4	CARBONDALE		SHALE	5.0	572.0	
-126.4	CARBONDALE		SANDY SHALE	3.0	577.0	
-129.4	CARBONDALE		SHALE	1.0	580.0	
-130.4	CARBONDALE		SANDY SHALE	1.0	581.0	
-131.4	SPOON		SHALE	2.5	582.0	
-133.9	SPOON		CLAYSTONE & SILTSTONE	0.1	584.5	
-134.0	SPOON		LIMESTONE	0.1	584.6	
-134.1	SPOON		SHALE	4.8	584.7	
-138.9	SPOON		SANDSTONE	1.5	589.5	
-140.4	SPOON		SANDY SHALE	1.0	591.0	
-141.4	SPOON		LIMESTONE	0.2	592.0	
-141.6	SPOON		SANDSTONE	13.8	592.2	
-155.4	SPOON		SANDY SHALE	0.5	606.0	
-155.9	SPOON		SHALE	0.5	606.5	
-156.4	SPOON		SANDSTONE	2.0	607.0	
-158.4	SPOON		SHALE	1.0	609.0	
-159.4	SPOON		SANDSTONE	3.0	610.0	

-162.4	SPOON	SANDY SHALE	1.0	613.0
-163.4	SPOON	SANDSTONE	2.0	614.0
-165.4	SPOON	BLACK SHALE	0.2	616.0
-165.6	SPOON	SANDSTONE	0.8	616.2
-166.4	SPOON	CONGLOMERATE	1.2	617.0
-167.6	SPOON	SHALE	21.8	618.2
-189.4	SPOON	CARBONACEOUS SHALE	1.0	640.0
-190.4		COAL	4.0	641.0
-194.4		SANDSTONE	52.0	645.0

MAPID: 02700189000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 12 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.262393 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.551408 **DATE COLLECTED:** 0 / 0 / 1922
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 1610.0 **LOG TYPE:**
SOURCE: HOFFMAN OG, EICHOFF 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
37.0	CARBONDALE	HERRIN	COAL	-	412.0

MAPID: 02700190000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 12 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.269614 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.538569 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 453.7 **LOGGED (FT.):** 1241.0 **LOG TYPE:**
SOURCE: STEVNS E L, HUSMANN WM **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
36.7	CARBONDALE	HERRIN	COAL	5.3	417.0

MAPID: 02700650000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 12 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.255524 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.544105 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 1600.0 **LOG TYPE:**
SOURCE: WEBB ETAL, HUSMANN WM 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
20.0	CARBONDALE	HERRIN	COAL	-	441.0 CORRELATION UNCERTAIN

MAPID: 02701168000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.267086 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54954 DATE COLLECTED: 11 / 0 / 1955

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log

SOURCE: MONKEN, LELAND WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	6.0	374.0	
79.0	MODESTO		UNCLASSIFIED	6.0	380.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
73.0	CARBONDALE		UNCLASSIFIED	14.0	386.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
59.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	400.0	
52.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	407.0	
49.0	CARBONDALE		UNCLASSIFIED	3.0	410.0	SHALE ABOVE BRERETON LIMESTONE
46.0	CARBONDALE	BRERETON	LIMESTONE	1.0	413.0	
45.0	CARBONDALE	ANNA	BLACK SHALE	1.0	414.0	
44.0	CARBONDALE	HERRIN	COAL	5.0	415.0	

MAPID: 02701343000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.257831 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545927 DATE COLLECTED: 9 / 0 / 1954

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 398.5 LOG TYPE: Electric Log

SOURCE: MAZZARINO, M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
96.1	MODESTO	PIASA	LIMESTONE	5.5	349.9	
90.6	MODESTO		UNCLASSIFIED	4.5	355.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
86.1	CARBONDALE		UNCLASSIFIED	17.5	359.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
68.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	377.4	
61.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.8	384.4	
59.8	CARBONDALE		UNCLASSIFIED	1.8	386.2	SHALE ABOVE BRERETON LIMESTONE
58.0	CARBONDALE	BRERETON	LIMESTONE	2.5	388.0	
55.5	CARBONDALE	ANNA	BLACK SHALE	2.5	390.5	
53.0	CARBONDALE	HERRIN	COAL	5.5	393.0	

MAPID: 02701820000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 2310' N line, 1650' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.267175 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545907 DATE COLLECTED: 9 / 0 / 1960

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 410.0 LOG TYPE: Electric Log

SOURCE: WINN C R WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.5	MODESTO	PIASA	LIMESTONE	3.5	365.5	
84.0	MODESTO		UNCLASSIFIED	7.0	369.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.0	CARBONDALE		UNCLASSIFIED	14.0	376.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
63.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	390.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	396.0	
54.0	CARBONDALE		UNCLASSIFIED	3.0	399.0	SHALE ABOVE BRERETON LIMESTONE
51.0	CARBONDALE	BRERETON	LIMESTONE	1.0	402.0	
50.0	CARBONDALE	ANNA	BLACK SHALE	1.0	403.0	
49.0	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02701820000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 12 QUARTERS/FOOTAGES: 2310' N line, 1650' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.267175 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.545907 DATE COLLECTED:

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 411.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.5	MODESTO	PIASA	LIMESTONE	3.5	368.5	
81.0	CARBONDALE		SHALE	15.0	372.0	
66.0	CARBONDALE	GALUM	LIMESTONE	1.0	387.0	
65.0	CARBONDALE		SHALE	4.0	388.0	
61.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	392.0	
56.0	CARBONDALE	LAWSON	SHALE	8.0	397.0	
48.0	CARBONDALE	HERRIN	COAL	6.0	405.0	

MAPID: 02703171000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.257995 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.534917 **DATE COLLECTED:** 10 / 0 / 1964
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 414.0 **LOG TYPE:** Electric Log
SOURCE: JET OIL CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
54.0	CARBONDALE	HERRIN	COAL	6.0	408.0	

MAPID: 02700191000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.280261 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.528327 **DATE COLLECTED:** 0 / 0 / 1917
SURFACE ELEVATION (FT.): 453.7 **LOGGED (FT.):** 860.0 **LOG TYPE:**
SOURCE: BLUEHEN OC, GREFE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
18.7	CARBONDALE	HERRIN	COAL	-	435.0	CORRELATION UNCERTAIN

MAPID: 02700191000C **VERSION:** 2 **PROJECT:** BLM
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.280261 **GEOLOGIST:** TREWORGY,J
CONFIDENTIAL: N **LATITUDE:** 38.528327 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 1515.0 **LOG TYPE:** Drillers Log
SOURCE: BLUE HEN OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT: QUESTIONABLE THICKNESS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
455.0			UNCONSOLIDATED	20.0	0.0	
435.0			ROCK	270.0	20.0	
165.0			COAL	2.0	290.0	
163.0			ROCK	153.0	292.0	
10.0			SHALE	120.0	445.0	
-110.0			COAL	7.0	565.0	CORRELATION BY CADY
-117.0			ROCK	943.0	572.0	

MAPID: 02702068000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.290739 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.532759 DATE COLLECTED: 5 / 0 / 1964

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 444.0 LOG TYPE: Electric Log

SOURCE: DULL, JOE A. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.5	MODESTO	PIASA	LIMESTONE	4.0	405.5	
48.5	MODESTO		UNCLASSIFIED	3.0	409.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
45.5	CARBONDALE		UNCLASSIFIED	11.5	412.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
34.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	424.0	
28.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	430.0	
24.5	CARBONDALE		UNCLASSIFIED	3.5	433.5	SHALE ABOVE BRERETON LIMESTONE
21.0	CARBONDALE	BRERETON	LIMESTONE	2.0	437.0	
19.0	CARBONDALE	ANNA	BLACK SHALE	1.0	439.0	
18.0	CARBONDALE	HERRIN	COAL	4.0	440.0	

MAPID: 02704085000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 14 QUARTERS/FOOTAGES: 2310' S line, 660' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.275556 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.529241 DATE COLLECTED: 3 / 31 / 1971

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 448.4 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12606-C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.2			COAL	0.5	276.8	
35.6	SHELBURN	DANVILLE	COAL	2.0	414.4	
9.6	CARBONDALE	HERRIN	COAL	5.8	440.4	

MAPID: 02704085000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 14 QUARTERS/FOOTAGES: 2310' S line, 660' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.275556 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.529241 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 445.8 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12606-C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
41.1	MODESTO	PIASA	LIMESTONE	1.0	408.9
40.1	MODESTO		SILTY SHALE	3.6	409.9
36.5	CARBONDALE	DANVILLE	COAL	2.0	413.5
34.5	CARBONDALE		CLAYSTONE	1.1	415.5
33.4	CARBONDALE		SILTY SHALE	3.5	416.6
29.9	CARBONDALE	BANKSTON FORK	LIMESTONE	4.5	420.1
25.4	CARBONDALE	LAWSON	SILTY SHALE	2.7	424.6
22.7	CARBONDALE	LAWSON	GRAY SHALE	2.1	427.3
20.6	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	2.1	429.4
18.5	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	0.9	431.5
17.6	CARBONDALE		CLAYSTONE	0.3	432.4
17.3	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	6.1	432.7
11.2	CARBONDALE	ANNA	BLACK SHALE	1.2	438.8
10.0	CARBONDALE	HERRIN	COAL	5.8	440.0

MAPID: 02726522000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 14 QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.283802 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 38.525524 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 448.9 LOG TYPE: Company map

SOURCE: CARTER OIL WF-111 WELL TYPE: Coal Test

COMMENT: LOCATION, DATA HOYLETON E & W MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	5.9	443.0

MAPID: 02701339000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 15 QUARTERS/FOOTAGES: 310' N line, 330' E line of NW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.307262 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.529058 DATE COLLECTED: 10 / 0 / 1952

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 850.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	386.0	
46.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	403.0	
22.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	-	427.0	POSSIBLE COAL HORIZON
-71.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	520.0	
-401.0	BASE OF PENN.		UNCLASSIFIED	-	850.0	

MAPID: 02701339000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 15 QUARTERS/FOOTAGES: 310' N line, 330' E line of NW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.307262 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.529058 DATE COLLECTED: 10 / 0 / 1952

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 405.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	CARBONDALE		UNCLASSIFIED	9.0	378.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
62.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	387.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	392.0	
55.0	CARBONDALE		UNCLASSIFIED	2.0	394.0	SHALE ABOVE BRERETON LIMESTONE
53.0	CARBONDALE	BRERETON	LIMESTONE	1.0	396.0	
52.0	CARBONDALE	ANNA	BLACK SHALE	2.0	397.0	
50.0	CARBONDALE	HERRIN	COAL	6.0	399.0	

MAPID: 02701687000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 660' W line of NW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.308529 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.527171 DATE COLLECTED: 2 / 0 / 1959

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	3.0	377.0	
74.0	MODESTO		UNCLASSIFIED	3.0	380.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
71.0	CARBONDALE		UNCLASSIFIED	13.0	383.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
58.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	396.0	
52.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	402.0	
49.5	CARBONDALE		UNCLASSIFIED	2.5	404.5	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	2.0	407.0	
45.0	CARBONDALE	ANNA	BLACK SHALE	3.0	409.0	
42.0	CARBONDALE	HERRIN	COAL	8.0	412.0	

MAPID: 02701689000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 660' E line of SW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.3085 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.523527 DATE COLLECTED: 3 / 0 / 1959

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 406.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.6	MODESTO	PIASA	LIMESTONE	3.0	370.4	
80.6	MODESTO		UNCLASSIFIED	2.5	373.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
78.1	CARBONDALE		UNCLASSIFIED	8.5	375.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
69.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	384.4	
61.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	392.9	
58.8	CARBONDALE		UNCLASSIFIED	2.3	395.2	SHALE ABOVE BRERETON LIMESTONE
56.5	CARBONDALE	BRERETON	LIMESTONE	1.5	397.5	
55.0	CARBONDALE	ANNA	BLACK SHALE	2.0	399.0	
53.0	CARBONDALE	HERRIN	COAL	5.0	401.0	

MAPID: 02701710000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.304916 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.530837 DATE COLLECTED: 5 / 0 / 1959

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 422.0 LOG TYPE: Electric Log

SOURCE: MITCHELL ROBERT J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.5	MODESTO	PIASA	LIMESTONE	4.0	389.5	
57.5	MODESTO		UNCLASSIFIED	4.0	393.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
53.5	CARBONDALE		UNCLASSIFIED	8.5	397.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
45.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	406.0	
41.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	410.0	
39.5	CARBONDALE		UNCLASSIFIED	1.5	411.5	SHALE ABOVE BRERETON LIMESTONE
38.0	CARBONDALE	BRERETON	LIMESTONE	2.0	413.0	
36.0	CARBONDALE	ANNA	BLACK SHALE	2.0	415.0	
34.0	CARBONDALE	HERRIN	COAL	5.0	417.0	

MAPID: 02701824000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: CARLYLE LONGITUDE: -89.309633 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.530809 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 2690.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
13.0	CARBONDALE	SPRINGFIELD	COAL	-	435.0	
-132.0	CARBONDALE	COLCHESTER	COAL	-	580.0	
-665.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1113.0	
-2196.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2644.0	TOP OF NEW ALBANY
-2202.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2650.0	
-2242.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2690.0	BASE OF NEW ALBANY

MAPID: 02701824000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: CARLYLE LONGITUDE: -89.309633 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.530809 DATE COLLECTED: 9 / 0 / 1960

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 413.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	MODESTO	PIASA	LIMESTONE	3.0	382.0	
63.0	MODESTO		UNCLASSIFIED	1.5	385.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
61.5	CARBONDALE		UNCLASSIFIED	7.5	386.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
54.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	394.0	
48.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	400.0	
45.5	CARBONDALE		UNCLASSIFIED	2.5	402.5	SHALE ABOVE BRERETON LIMESTONE
43.0	CARBONDALE	BRERETON	LIMESTONE	1.0	405.0	
42.0	CARBONDALE	ANNA	BLACK SHALE	2.0	406.0	
40.0	CARBONDALE	HERRIN	COAL	5.0	408.0	

MAPID: 02700408000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.323576 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.530839 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 1509.0 LOG TYPE:

SOURCE: HELDT F L, LAMPIN J G 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	CARBONDALE	HERRIN	COAL	-	408.0	CORRELATION UNCERTAIN

MAPID: 02701342000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE

QUADRANGLE: CARLYLE LONGITUDE: -89.312037 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.525344 DATE COLLECTED: 9 / 0 / 1952

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 401.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
94.1	MODESTO	PIASA	LIMESTONE	3.5	359.9	
90.6	MODESTO		UNCLASSIFIED	3.5	363.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
87.1	CARBONDALE		UNCLASSIFIED	13.5	366.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
73.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	380.4	
66.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	387.4	
64.3	CARBONDALE		UNCLASSIFIED	2.3	389.7	SHALE ABOVE BRERETON LIMESTONE
62.0	CARBONDALE	BRERETON	LIMESTONE	1.5	392.0	
60.5	CARBONDALE	ANNA	BLACK SHALE	2.5	393.5	
58.0	CARBONDALE	HERRIN	COAL	5.0	396.0	

MAPID: 02701680000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.316654 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.527182 DATE COLLECTED: 1 / 0 / 1959

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 410.5 LOG TYPE: Electric Log

SOURCE: MITCHELL ROBERT J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.5	MODESTO	PIASA	LIMESTONE	5.0	370.5	
74.5	MODESTO		UNCLASSIFIED	3.5	375.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
71.0	CARBONDALE	DANVILLE	COAL	1.0	379.0	
70.0	CARBONDALE		UNCLASSIFIED	9.5	380.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
60.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	389.5	
52.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	397.5	
50.5	CARBONDALE		UNCLASSIFIED	2.5	399.5	SHALE ABOVE BRERETON LIMESTONE
48.0	CARBONDALE	BRERETON	LIMESTONE	3.0	402.0	
45.0	CARBONDALE	ANNA	BLACK SHALE	1.0	405.0	
44.0	CARBONDALE	HERRIN	COAL	4.5	406.0	

MAPID: 02701695000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.321352 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.523561 DATE COLLECTED: 5 / 0 / 1959

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 406.0 LOG TYPE: Electric Log

SOURCE: HARDIN, C. G. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	MODESTO	PIASA	LIMESTONE	3.0	371.0	
80.0	MODESTO		UNCLASSIFIED	2.5	374.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.5	CARBONDALE		UNCLASSIFIED	6.5	376.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
71.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	383.0	
65.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	389.0	
62.0	CARBONDALE		UNCLASSIFIED	3.0	392.0	SHALE ABOVE BRERETON LIMESTONE
59.0	CARBONDALE	BRERETON	LIMESTONE	5.0	395.0	
54.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02701719000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 560' S line, 330' E line of NE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.321292 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.527832 DATE COLLECTED: 7 / 0 / 1959

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 423.5 LOG TYPE: Electric Log

SOURCE: BEHRENS, R. E. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.5	MODESTO	PIASA	LIMESTONE	3.0	386.5	
60.5	MODESTO		UNCLASSIFIED	4.5	389.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
56.0	CARBONDALE	DANVILLE	COAL	1.0	394.0	
55.0	CARBONDALE		UNCLASSIFIED	8.5	395.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
46.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	403.5	
41.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	408.5	
40.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	410.0	
39.0	CARBONDALE		UNCLASSIFIED	2.5	411.0	SHALE ABOVE BRERETON LIMESTONE
36.5	CARBONDALE	BRERETON	LIMESTONE	4.0	413.5	
32.5	CARBONDALE	ANNA	BLACK SHALE	2.5	417.5	
30.0	CARBONDALE	HERRIN	COAL	3.5	420.0	

MAPID: 0270180000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 660' E line of NE

QUADRANGLE: CARLYLE LONGITUDE: -89.313112 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.530812 DATE COLLECTED: 6 / 0 / 1960

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 399.0 LOG TYPE: Electric Log

SOURCE: HARDIN, C. G. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.5	MODESTO	PIASA	LIMESTONE	7.0	357.5	
80.5	MODESTO		UNCLASSIFIED	4.0	364.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.5	CARBONDALE		UNCLASSIFIED	7.5	368.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
69.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	376.0	
63.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	382.0	
59.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	385.5	
58.5	CARBONDALE		UNCLASSIFIED	4.0	386.5	SHALE ABOVE BRERETON LIMESTONE
54.5	CARBONDALE	BRERETON	LIMESTONE	3.0	390.5	
51.5	CARBONDALE	ANNA	BLACK SHALE	0.5	393.5	
51.0	CARBONDALE	HERRIN	COAL	5.0	394.0	

MAPID: 02702412000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' E line of SE SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.316603 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.53082 DATE COLLECTED: 8 / 0 / 1953

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 410.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	MODESTO	PIASA	LIMESTONE	3.0	374.0	
69.0	MODESTO		UNCLASSIFIED	4.0	377.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
65.0	CARBONDALE	DANVILLE	COAL	1.0	381.0	
64.0	CARBONDALE		UNCLASSIFIED	10.0	382.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
54.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	392.0	
48.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	397.5	
46.5	CARBONDALE		UNCLASSIFIED	2.0	399.5	SHALE ABOVE BRERETON LIMESTONE
44.5	CARBONDALE	BRERETON	LIMESTONE	0.5	401.5	
44.0	CARBONDALE	ANNA	BLACK SHALE	2.0	402.0	
42.0	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02703648000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 0' N line, 0' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.3293 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.537209 DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 420.2 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8225 WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
52.6	CARBONDALE		GRAY SHALE	20.0	377.4
32.6	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	397.4
25.6	CARBONDALE	LAWSON	DARK GRAY SHALE	3.2	404.4
22.4	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	2.0	407.6
20.4	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	1.0	409.6
19.5	CARBONDALE		DARK GRAY SHALE	1.3	410.5
18.1	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.0	411.9
15.1	CARBONDALE	ANNA	DARK GRAY SHALE	0.1	414.9
15.0	CARBONDALE	HERRIN	COAL	5.2	415.0

MAPID: 02703648000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 16 QUARTERS/FOOTAGES: 0' N line, 0' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.3293 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.537209 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 420.2 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8225 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
42.6	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	397.4
35.6	CARBONDALE	ANVIL ROCK	SANDSTONE	3.3	404.4
32.3	CARBONDALE	CONANT	LIMESTONE	2.5	407.7
29.8	CARBONDALE	JAMESTOWN	COAL	0.2	410.2
29.6	CARBONDALE		SHALE	1.7	410.4
27.9	CARBONDALE	BRERETON	LIMESTONE	2.8	412.1
25.1	CARBONDALE	ANNA	BLACK SHALE	0.1	414.9
25.0	CARBONDALE	HERRIN	COAL	5.2	415.0

MAPID: 02703648000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 16 **QUARTERS/FOOTAGES:** 0' N line, 0' W line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.3293 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.537209 **DATE COLLECTED:** 1 / 24 / 1969
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 429.9 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8225 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	SHELburn	JAMESTOWN	COAL	0.2	410.0	
25.2	CARBONDALE	HERRIN	COAL	5.2	414.8	

MAPID: 02700412000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 17 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.33049 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.536258 **DATE COLLECTED:** 5 / 0 / 1941
SURFACE ELEVATION (FT.): 439.0 **LOGGED (FT.):** 421.0 **LOG TYPE:** Electric Log
SOURCE: ASHBEE OIL PROD. **WELL TYPE:** Plugged and/or Abandoned
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
54.0	MODESTO	PIASA	LIMESTONE	3.0	385.0	
51.0	MODESTO		UNCLASSIFIED	2.5	388.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
48.5	CARBONDALE		UNCLASSIFIED	6.5	390.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
42.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	397.0	
34.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	405.0	
31.0	CARBONDALE		UNCLASSIFIED	2.5	408.0	SHALE ABOVE BRERETON LIMESTONE
28.5	CARBONDALE	BRERETON	LIMESTONE	3.0	410.5	
25.5	CARBONDALE	ANNA	BLACK SHALE	2.5	413.5	
23.0	CARBONDALE	HERRIN	COAL	5.0	416.0	

MAPID: 02700412000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 17 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.33049 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.536258 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 439.0 **LOGGED (FT.):** 1110.0 **LOG TYPE:**
SOURCE: ASHBEE OPC, TWENHOFEL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
23.0	CARBONDALE	HERRIN	COAL	-	416.0	CORRELATION UNCERTAIN

MAPID: 02700422000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.33052 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.532628 DATE COLLECTED: 8 / 0 / 1942

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN ALOYS WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.5	MODESTO	PIASA	LIMESTONE	4.0	349.5	
66.5	MODESTO		UNCLASSIFIED	2.5	353.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
64.0	CARBONDALE		UNCLASSIFIED	9.0	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
55.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	365.0	
48.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.0	372.0	
47.0	CARBONDALE		UNCLASSIFIED	1.0	373.0	SHALE ABOVE BRERETON LIMESTONE
46.0	CARBONDALE	ANNA	BLACK SHALE	2.0	374.0	
44.0	CARBONDALE	HERRIN	COAL	4.0	376.0	

MAPID: 02701559000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 400' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.330719 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.53625 DATE COLLECTED: 7 / 0 / 1951

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 427.0 LOG TYPE: Electric Log

SOURCE: EVERHART J WILLIAM WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.1	MODESTO	PIASA	LIMESTONE	4.0	391.9	
48.1	MODESTO		UNCLASSIFIED	2.0	395.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
46.1	CARBONDALE		UNCLASSIFIED	10.0	397.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
36.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	407.9	
29.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	414.9	
26.8	CARBONDALE		UNCLASSIFIED	2.3	417.2	SHALE ABOVE BRERETON LIMESTONE
24.5	CARBONDALE	BRERETON	LIMESTONE	0.5	419.5	
24.0	CARBONDALE	ANNA	BLACK SHALE	2.0	420.0	
22.0	CARBONDALE	HERRIN	COAL	5.0	422.0	

MAPID: 02701559000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 400' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.330719 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.53625 DATE COLLECTED:

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 428.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.5	MODESTO	PIASA	LIMESTONE	5.0	393.5	
45.5	MODESTO		SHALE	6.5	398.5	
39.0	CARBONDALE	DANVILLE	BONE COAL	1.5	405.0	
37.5	CARBONDALE		SHALE	5.0	406.5	
32.5	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	411.5	UPPER BENCH
29.5	CARBONDALE	BANKSTON FORK	SHALE	1.0	414.5	SHALE PARTING
28.5	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	415.5	LOWER BENCH
27.5	CARBONDALE	LAWSON	SHALE	6.0	416.5	
21.5	CARBONDALE	BRERETON	LIMESTONE	0.5	422.5	
21.0	CARBONDALE	HERRIN	COAL	5.0	423.0	

MAPID: 02701559000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 400' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.330719 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.53625 DATE COLLECTED:

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 2648.0 LOG TYPE: Electric Log

SOURCE: EVERHART J WILLIAM WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-6.0	CARBONDALE	SPRINGFIELD	COAL	-	450.0	
-122.0	CARBONDALE	COLCHESTER	COAL	-	566.0	
-636.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1080.0	
-2160.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2604.0	TOP OF NEW ALBANY
-2166.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2610.0	
-2204.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2648.0	BASE OF NEW ALBANY

MAPID: 02700247000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 18 QUARTERS/FOOTAGES: 640' S line, 4150' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.362718 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.5239 DATE COLLECTED: 0 / 0 / 1930

SURFACE ELEVATION (FT.): 448.6 LOGGED (FT.): 1330.0 LOG TYPE:

SOURCE: POSEY OG, WEINBERG 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
20.6	CARBONDALE	HERRIN	COAL	-	428.0	

MAPID: 02700247000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 18 QUARTERS/FOOTAGES: 640' S line, 4150' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.362718 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.5239 DATE COLLECTED: 0 / 0 / 1930

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 1330.0 LOG TYPE: Drillers Log

SOURCE: POSEY OIL AND GAS WELL TYPE: Oil and Gas Test

COMMENT: QUESTIONABLE THICKNESS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
449.0			UNCONSOLIDATED	143.0	0.0	
306.0			ROCK	257.0	143.0	
49.0			SHALE	13.0	400.0	
36.0			LIMESTONE	7.0	413.0	
29.0			SHALE	4.0	420.0	
25.0			LIMESTONE	4.0	424.0	
21.0	CARBONDALE	HERRIN	COAL	6.0	428.0	
15.0	CARBONDALE		ROCK	131.0	434.0	
-116.0	CARBONDALE		SHALE	8.0	565.0	SANDY
-124.0	CARBONDALE		SANDSTONE	13.0	573.0	
-137.0	CARBONDALE		SHALE	4.0	586.0	
-141.0	CARBONDALE		COAL	3.0	590.0	
-144.0			ROCK	737.0	593.0	

MAPID: 02700247000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 18 QUARTERS/FOOTAGES: 640' S line, 4150' E line
 QUADRANGLE: CARLYLE LONGITUDE: -89.362718 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.5239 DATE COLLECTED: 0 / 0 / 1930
 SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 435.0 LOG TYPE: Drillers Log
 SOURCE: POSEY OIL & GAS CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	MODESTO	PIASA	LIMESTONE	5.0	397.0	
47.0	MODESTO		UNCLASSIFIED	3.0	402.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
44.0	CARBONDALE		UNCLASSIFIED	9.0	405.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
35.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	414.0	
28.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	421.0	
24.0	CARBONDALE		UNCLASSIFIED	2.0	425.0	SHALE ABOVE BRERETON LIMESTONE
22.0	CARBONDALE	BRERETON	LIMESTONE	2.0	427.0	
20.0	CARBONDALE	HERRIN	COAL	6.0	429.0	

MAPID: 02724855000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 18 QUARTERS/FOOTAGES: 1320' S line, 1320' W line of NE SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.361129 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.529444 DATE COLLECTED: 9 / 23 / 1977
 SURFACE ELEVATION (FT.): 437.7 LOGGED (FT.): 443.0 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 16526-C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
2.4	CARBONDALE	HERRIN	COAL	5.0	435.3	REMOVED BY CO.

MAPID: 02724913000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 18 QUARTERS/FOOTAGES: 0' S line, 1320' W line of SW SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.366876 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.522077 DATE COLLECTED: 11 / 3 / 1977
 SURFACE ELEVATION (FT.): 445.7 LOGGED (FT.): 423.8 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16527-C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.9	CARBONDALE	HERRIN	COAL	5.0	414.8	

MAPID: 02701115000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 19 QUARTERS/FOOTAGES: 2310' N line, 4290' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.363293 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.515748 DATE COLLECTED: 6 / 0 / 1955

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 850.0 LOG TYPE: Electric Log

SOURCE: JENNEMAN & SCHWARTZ WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	390.0	
-391.0	BASE OF PENN.		UNCLASSIFIED	-	850.0	

MAPID: 02701115000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 19 QUARTERS/FOOTAGES: 2310' N line, 4290' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.363293 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.515748 DATE COLLECTED: 6 / 0 / 1955

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: JENNEMAN & SCHWARTZ WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	MODESTO	PIASA	LIMESTONE	3.5	358.0	
97.5	MODESTO		UNCLASSIFIED	2.5	361.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.0	CARBONDALE		UNCLASSIFIED	10.0	364.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
85.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	374.0	
79.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	380.0	
77.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	382.0	
75.5	CARBONDALE		UNCLASSIFIED	3.0	383.5	SHALE ABOVE BRERETON LIMESTONE
72.5	CARBONDALE	BRERETON	LIMESTONE	2.0	386.5	
70.5	CARBONDALE	ANNA	BLACK SHALE	1.5	388.5	
69.0	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02724386000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 19 **QUARTERS/FOOTAGES:** 0' N line, 1980' E line of NW NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.360936 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.522155 **DATE COLLECTED:** 6 / 26 / 1972
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 435.1 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12778-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
338.3			LIMESTONE	6.2	98.7
160.0	MODESTO	CHAPEL	COAL	1.0	277.0
26.4	SHELburn	DANVILLE	COAL	1.0	410.6
8.5	CARBONDALE	HERRIN	COAL	5.7	428.5

MAPID: 02724624000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 19 **QUARTERS/FOOTAGES:** 2640' N line, 1650' W line of SE NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.359746 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.511224 **DATE COLLECTED:** 6 / 21 / 1976
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 400.4 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16374-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	SHELburn	DANVILLE	COAL	1.4	369.0
-	CARBONDALE	HERRIN	COAL	5.8	390.8

MAPID: 02726523000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 19 **QUARTERS/FOOTAGES:** SE NW NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.355445 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 38.519476 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 457.0 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-90 **WELL TYPE:** Coal Test
COMMENT: LOCATION, DATA FROM HOYLETON E & W MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	5.0	452.0

MAPID: 02726524000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 19 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.369941 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 38.51567 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 392.8 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-394 **WELL TYPE:** Coal Test
COMMENT: LOCATION, DATA FORM HOYLETON E & W MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	5.8	387.0

MAPID: 02724349000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 20 **QUARTERS/FOOTAGES:** 330' N line, 0' E line of SE NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.338933 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.516125 **DATE COLLECTED:** 7 / 13 / 1972
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 407.2 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12774-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
395.6			LIMESTONE	8.0	50.4
202.2	MODESTO	CHAPEL	COAL	1.4	243.8
76.9	SHELBURN	PIASA	LIMESTONE	2.0	369.1
44.9	CARBONDALE	HERRIN	COAL	6.0	401.1

MAPID: 02700414000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' N line, 330' W line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.328346 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.521769 **DATE COLLECTED:** 7 / 0 / 1940
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 410.0 **LOG TYPE:** Electric Log
SOURCE: LYNN & WILLIAMS **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
40.0	CARBONDALE	HERRIN	COAL	6.0	404.0

MAPID: 02701341000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 2W **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW NW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.319094 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.514436 **DATE COLLECTED:** 6 / 0 / 1952
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: SUN PRODUCTION COMPANY **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02701775000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 660' E line of NW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.317884 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.521726 DATE COLLECTED: 11 / 0 / 1959

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: HARDIN, C. G. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.0	MODESTO	PIASA	LIMESTONE	3.0	374.0	
76.0	MODESTO		UNCLASSIFIED	5.0	377.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
71.0	CARBONDALE		UNCLASSIFIED	13.0	382.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
58.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	395.0	
52.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	401.0	
49.5	CARBONDALE		UNCLASSIFIED	2.5	403.5	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	2.0	406.0	
45.0	CARBONDALE	ANNA	BLACK SHALE	4.0	408.0	
41.0	CARBONDALE	HERRIN	COAL	6.0	412.0	

MAPID: 02701830000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 21 QUARTERS/FOOTAGES: 990' N line, 330' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.31208 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519878 DATE COLLECTED: 10 / 0 / 1960

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: HARDIN, C. G. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	MODESTO	PIASA	LIMESTONE	5.0	365.0	
78.0	MODESTO		UNCLASSIFIED	5.0	370.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
73.0	CARBONDALE		UNCLASSIFIED	12.0	375.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
61.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	387.0	
54.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	394.0	
52.5	CARBONDALE		UNCLASSIFIED	1.5	395.5	SHALE ABOVE BRERETON LIMESTONE
51.0	CARBONDALE	BRERETON	LIMESTONE	2.0	397.0	
49.0	CARBONDALE	ANNA	BLACK SHALE	4.0	399.0	
45.0	CARBONDALE	HERRIN	COAL	5.0	403.0	

MAPID: 02701831000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 660' E line of NW

QUADRANGLE: CARLYLE LONGITUDE: -89.32253 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.521744 DATE COLLECTED: 10 / 0 / 1960

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: HARDIN, C. G. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.0	MODESTO	PIASA	LIMESTONE	3.0	334.0	
95.0	MODESTO		UNCLASSIFIED	4.5	337.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.5	CARBONDALE		UNCLASSIFIED	14.0	341.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
76.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	355.5	
69.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	363.0	
67.0	CARBONDALE		UNCLASSIFIED	2.0	365.0	SHALE ABOVE BRERETON LIMESTONE
65.0	CARBONDALE	BRERETON	LIMESTONE	2.0	367.0	
63.0	CARBONDALE	ANNA	BLACK SHALE	4.0	369.0	
59.0	CARBONDALE	HERRIN	COAL	5.0	373.0	

MAPID: 02700586000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 22 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.307382 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.514439 DATE COLLECTED: 6 / 0 / 1943

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 372.0 LOG TYPE: Electric Log

SOURCE: WISER OIL CO., THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.6	MODESTO	PIASA	LIMESTONE	6.0	329.4	
95.6	MODESTO		UNCLASSIFIED	5.0	335.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.6	CARBONDALE		UNCLASSIFIED	10.0	340.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
80.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	350.4	
74.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	356.4	
71.8	CARBONDALE		UNCLASSIFIED	2.8	359.2	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	4.0	362.0	
65.0	CARBONDALE	HERRIN	COAL	6.0	366.0	

MAPID: 02700586000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 22 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.307382 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.514439 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 2814.0 LOG TYPE:

SOURCE: WISER OC, WESSEL COM 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	HERRIN	COAL	-	366.0	

MAPID: 02701167000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 22 QUARTERS/FOOTAGES: 290' S line, 330' E line of NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.302631 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519804 DATE COLLECTED: 11 / 0 / 1955

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: MAZZARINO, M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.5	MODESTO	PIASA	LIMESTONE	5.0	352.5	
87.5	MODESTO		UNCLASSIFIED	4.0	357.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.5	CARBONDALE		UNCLASSIFIED	13.0	361.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
70.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	374.5	
64.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	380.5	
61.5	CARBONDALE		UNCLASSIFIED	3.0	383.5	SHALE ABOVE BRERETON LIMESTONE
58.5	CARBONDALE	BRERETON	LIMESTONE	2.0	386.5	
56.5	CARBONDALE	ANNA	BLACK SHALE	2.5	388.5	
54.0	CARBONDALE	HERRIN	COAL	5.0	391.0	

MAPID: 02701659000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 660' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.3086 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.521702 DATE COLLECTED: 9 / 0 / 1958

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 410.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	4.0	369.0	
81.0	MODESTO		UNCLASSIFIED	3.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
78.0	CARBONDALE		UNCLASSIFIED	10.0	376.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
68.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	386.0	
61.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	393.0	
57.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	397.0	
55.5	CARBONDALE		UNCLASSIFIED	3.5	398.5	SHALE ABOVE BRERETON LIMESTONE
52.0	CARBONDALE	BRERETON	LIMESTONE	2.5	402.0	
49.5	CARBONDALE	ANNA	BLACK SHALE	1.5	404.5	
48.0	CARBONDALE	HERRIN	COAL	4.0	406.0	

MAPID: 02701766000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 22 QUARTERS/FOOTAGES: 1650' N line, 2310' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.302804 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.518081 DATE COLLECTED: 9 / 0 / 1959

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 840.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	UNCLASSIFIED	-	350.0	
64.0			UNCLASSIFIED	-	377.0	
54.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	387.0	
31.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	-	410.0	POSSIBLE COAL HORIZON
-38.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	479.0	
-399.0	BASE OF PENN.		UNCLASSIFIED	-	840.0	

MAPID: 02701766000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 22 QUARTERS/FOOTAGES: 1650' N line, 2310' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.302804 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.518081 DATE COLLECTED:

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	LIMESTONE	6.0	350.0	
85.0	CARBONDALE		SHALE	10.0	356.0	
75.0	CARBONDALE	GALUM	LIMESTONE	1.0	366.0	
74.0	CARBONDALE		SHALE	5.0	367.0	
69.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	372.0	UPPER BENCH
66.0	CARBONDALE	BANKSTON FORK	SHALE	1.0	375.0	SHALE PARTING
65.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	376.0	LOWER BENCH
63.0	CARBONDALE	LAWSON	SHALE	5.0	378.0	
58.0	CARBONDALE	CONANT	LIMESTONE	2.0	383.0	
56.0	CARBONDALE		SHALE	2.0	385.0	
54.0	CARBONDALE	BRERETON	LIMESTONE	1.0	387.0	
53.0	CARBONDALE	HERRIN	COAL	6.0	388.0	

MAPID: 02725415000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 22 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.295588 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.516313 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 2715.0 LOG TYPE: Electric Log

SOURCE: LOUISIANA LAND & EXPL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
28.0	CARBONDALE	SPRINGFIELD	COAL	-	422.0	
-90.0	CARBONDALE	COLCHESTER	COAL	-	540.0	
-670.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1120.0	
-2212.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2662.0	TOP OF NEW ALBANY
-2220.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2670.0	
-2265.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2715.0	BASE OF NEW ALBANY

MAPID: 02701340000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.281546 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.512759 DATE COLLECTED: 10 / 0 / 1954

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 405.5 LOG TYPE: Electric Log

SOURCE: MONKEN, LELAND WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.6	MODESTO	PIASA	LIMESTONE	8.0	363.4	
79.6	MODESTO		UNCLASSIFIED	3.0	371.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.6	CARBONDALE		UNCLASSIFIED	12.5	374.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
64.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	386.9	
56.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.8	394.4	
54.8	CARBONDALE		UNCLASSIFIED	1.8	396.2	SHALE ABOVE BRERETON LIMESTONE
53.0	CARBONDALE	ANNA	BLACK SHALE	2.0	398.0	
51.0	CARBONDALE	HERRIN	COAL	5.5	400.0	

MAPID: 02701384000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 23 QUARTERS/FOOTAGES: 990' N line, 330' W line of SE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.286198 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.516371 DATE COLLECTED:

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 2730.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
23.0	CARBONDALE	SPRINGFIELD	COAL	-	421.0	
-667.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1111.0	
-2230.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2674.0	TOP OF NEW ALBANY
-2236.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2680.0	
-2286.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2730.0	BASE OF NEW ALBANY

MAPID: 02701384000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 23 QUARTERS/FOOTAGES: 990' N line, 330' W line of SE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.286198 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.516371 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 401.5 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.6	MODESTO	PIASA	LIMESTONE	3.0	359.4	
81.6	MODESTO		UNCLASSIFIED	4.5	362.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.1	CARBONDALE		UNCLASSIFIED	13.0	366.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
64.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	379.9	
57.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	386.4	
54.8	CARBONDALE		UNCLASSIFIED	2.8	389.2	SHALE ABOVE BRERETON LIMESTONE
52.0	CARBONDALE	BRERETON	LIMESTONE	3.0	392.0	
49.0	CARBONDALE	ANNA	BLACK SHALE	2.0	395.0	
47.0	CARBONDALE	HERRIN	COAL	4.5	397.0	

MAPID: 02701425000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.290863 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.518149 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 412.5 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
76.5	MODESTO	PIASA	LIMESTONE	6.0	368.5	
70.5	MODESTO		UNCLASSIFIED	4.0	374.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.5	CARBONDALE		UNCLASSIFIED	11.5	378.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
55.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	390.0	
47.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	397.5	
46.0	CARBONDALE		UNCLASSIFIED	1.5	399.0	SHALE ABOVE BRERETON LIMESTONE
44.5	CARBONDALE	BRERETON	LIMESTONE	2.5	400.5	
42.0	CARBONDALE	ANNA	BLACK SHALE	2.0	403.0	
40.0	CARBONDALE	HERRIN	COAL	7.5	405.0	

MAPID: 02701763000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: CARLYLE LONGITUDE: -89.281561 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.509109 DATE COLLECTED: 10 / 0 / 1959

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 392.0 LOG TYPE: Electric Log

SOURCE: TROOP, R. H. ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.5	MODESTO	PIASA	LIMESTONE	3.5	352.5	
79.0	MODESTO		UNCLASSIFIED	4.5	356.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
74.5	CARBONDALE		UNCLASSIFIED	13.0	360.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
61.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	373.5	
55.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	379.5	
53.0	CARBONDALE		UNCLASSIFIED	2.5	382.0	SHALE ABOVE BRERETON LIMESTONE
50.5	CARBONDALE	BRERETON	LIMESTONE	2.0	384.5	
48.5	CARBONDALE	ANNA	BLACK SHALE	0.5	386.5	
48.0	CARBONDALE	HERRIN	COAL	5.0	387.0	

MAPID: 02703978000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 24 QUARTERS/FOOTAGES: NE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.256981 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.521202 DATE COLLECTED: 6 / 1 / 1971

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 427.4 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. C-12612 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
198.7			COAL	1.4	256.3	
60.2	SHELBURN	DANVILLE	COAL	3.1	394.8	
39.1	CARBONDALE	HERRIN	COAL	5.8	415.9	

MAPID: 02703979000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 24 QUARTERS/FOOTAGES: 0' S line, 660' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.257183 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.508395 DATE COLLECTED: 6 / 9 / 1971

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 451.7 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12613 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
15.1	SHELBURN	DANVILLE	COAL WITH SHALE	3.1	419.9	COAL AND SLATE
-8.3	CARBONDALE	HERRIN	COAL	4.7	443.3	

MAPID: 02703979000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 24 QUARTERS/FOOTAGES: 0' S line, 660' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.257183

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.508395

DATE COLLECTED:

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 447.7

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12613

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
36.0	MODESTO	PIASA	LIMESTONE	4.8	399.0
31.2	MODESTO		SILTY SHALE	16.4	403.8
14.8	CARBONDALE	DANVILLE	COAL	3.1	420.2
11.7	CARBONDALE		CLAYSTONE	1.9	423.3
9.8	CARBONDALE		SILTY SHALE	2.6	425.2
7.2	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	427.8
2.2	CARBONDALE	LAWSON	SILTY SHALE	3.5	432.8
-1.3	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	1.7	436.3
-3.0	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	0.8	438.0
-3.8	CARBONDALE		CALCAREOUS SHALE	2.3	438.8
-6.0	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	2.0	441.0
-8.0	CARBONDALE	HERRIN	COAL	4.7	443.0

MAPID: 02704086000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 2W SECTION: 24 QUARTERS/FOOTAGES: SW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.271084

GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.510086

DATE COLLECTED: 4 / 7 / 1971

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 414.2

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12607-C

WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
187.4			COAL	0.5	250.6
52.1	SHELBURN	DANVILLE	COAL	2.8	385.9
34.8			COAL	0.2	403.2
31.5	CARBONDALE	HERRIN	COAL	4.8	406.5

MAPID: 02726525000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON

TWP/RNG: 1N 2W

SECTION: 24

QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: CARLYLE

LONGITUDE: -89.255859

GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N

LATITUDE: 38.518469

DATE COLLECTED:

SURFACE ELEVATION (FT.):

LOGGED (FT.): 417.5

LOG TYPE: Company map

SOURCE: CARTER OIL WF-416

WELL TYPE: Coal Test

COMMENT: LOCATION, DATA FROM HOYLETON E & W MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	5.5	412.0	

MAPID: 02701348000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 1N 2W

SECTION: 30

QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: CARLYLE

LONGITUDE: -89.370056

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.50657

DATE COLLECTED: 11 / 0 / 1954

SURFACE ELEVATION (FT.): 422.0

LOGGED (FT.): 332.0

LOG TYPE: Electric Log

SOURCE: JET OIL CO.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.0	MODESTO		UNCLASSIFIED	6.0	291.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
125.0	CARBONDALE	DANVILLE	COAL	2.0	297.0	
123.0	CARBONDALE		UNCLASSIFIED	11.0	299.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	310.0	
104.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	317.5	
102.0	CARBONDALE		UNCLASSIFIED	2.5	320.0	SHALE ABOVE BRERETON LIMESTONE
99.5	CARBONDALE	BRERETON	LIMESTONE	2.0	322.5	
97.5	CARBONDALE	ANNA	BLACK SHALE	1.5	324.5	
96.0	CARBONDALE	HERRIN	COAL	6.0	326.0	

MAPID: 02700546000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 1 QUARTERS/FOOTAGES: 2247' N line, 2167' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.379986 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.559704 DATE COLLECTED: 7 / 0 / 1940

SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 388.0 LOG TYPE: Electric Log

SOURCE: FIELDS, BERT, ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.0	MODESTO	PIASA	LIMESTONE	6.0	343.0	
73.0	MODESTO		UNCLASSIFIED	3.0	349.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
70.0	CARBONDALE		UNCLASSIFIED	10.0	352.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
60.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	362.0	
53.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	369.0	
50.0	CARBONDALE		UNCLASSIFIED	3.0	372.0	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	3.0	375.0	
44.0	CARBONDALE	ANNA	BLACK SHALE	2.0	378.0	
42.0	CARBONDALE	HERRIN	COAL	8.0	380.0	

MAPID: 02701367000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.375738 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554156 DATE COLLECTED: 4 / 0 / 1954

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 376.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.5	MODESTO	PIASA	LIMESTONE	5.5	335.5	
87.0	MODESTO		UNCLASSIFIED	4.0	341.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE		UNCLASSIFIED	7.5	345.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
75.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	352.5	
69.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	359.0	
66.5	CARBONDALE		UNCLASSIFIED	2.5	361.5	SHALE ABOVE BRERETON LIMESTONE
64.0	CARBONDALE	BRERETON	LIMESTONE	1.0	364.0	
63.0	CARBONDALE	ANNA	BLACK SHALE	3.0	365.0	
60.0	CARBONDALE	HERRIN	COAL	8.0	368.0	

MAPID: 02701597000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 1 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.382714 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554077 DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 424.0 LOGGED (FT.): 389.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
76.0	MODESTO	PIASA	LIMESTONE	5.0	348.0	
71.0	MODESTO		UNCLASSIFIED	2.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
69.0	CARBONDALE		UNCLASSIFIED	9.0	355.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
60.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	364.0	
53.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	370.5	
52.0	CARBONDALE	CONANT	UNCLASSIFIED	0.5	372.0	
51.5	CARBONDALE		UNCLASSIFIED	2.5	372.5	SHALE ABOVE BRERETON LIMESTONE
49.0	CARBONDALE	BRERETON	LIMESTONE	3.0	375.0	
46.0	CARBONDALE	ANNA	BLACK SHALE	4.0	378.0	
42.0	CARBONDALE	HERRIN	COAL	7.0	382.0	

MAPID: 02701597000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 1 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.382714 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.554077 DATE COLLECTED:

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 390.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	6.0	346.0	
71.0	CARBONDALE		GRAY SHALE	12.0	352.0	
59.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	364.0	
53.0	CARBONDALE	LAWSON	SHALE	7.0	370.0	
46.0	CARBONDALE	BRERETON	LIMESTONE	2.0	377.0	
44.0	CARBONDALE	ANNA	SHALE	3.0	379.0	
41.0	CARBONDALE	HERRIN	COAL	8.0	382.0	

MAPID: 02701597000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 1 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.382714 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554077 DATE COLLECTED:

SURFACE ELEVATION (FT.): 424.0 LOGGED (FT.): 2547.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
16.0	CARBONDALE	SPRINGFIELD	COAL	-	408.0	
-106.0	CARBONDALE	COLCHESTER	COAL	-	530.0	
-578.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1002.0	
-2072.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2496.0	TOP OF NEW ALBANY
-2084.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2508.0	
-2123.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2547.0	BASE OF NEW ALBANY

MAPID: 02701145000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.392464 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.564821 DATE COLLECTED: 10 / 0 / 1955

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 428.5 LOG TYPE: Electric Log

SOURCE: NIAGARA OIL CORP WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.5	MODESTO	PIASA	LIMESTONE	4.0	385.5	
68.5	MODESTO		UNCLASSIFIED	4.5	389.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
64.0	CARBONDALE	DANVILLE	COAL	1.0	394.0	
63.0	CARBONDALE		UNCLASSIFIED	8.5	395.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
54.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	403.5	
48.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	409.5	
45.0	CARBONDALE		UNCLASSIFIED	3.5	413.0	SHALE ABOVE BRERETON LIMESTONE
41.5	CARBONDALE	BRERETON	LIMESTONE	3.0	416.5	
38.5	CARBONDALE	ANNA	BLACK SHALE	3.5	419.5	
35.0	CARBONDALE	HERRIN	COAL	5.5	423.0	

MAPID: 02701145000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.392464 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.564821 DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 431.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	MODESTO	PIASA	LIMESTONE	6.0	386.0	
66.0	MODESTO		SHALE	10.0	392.0	
56.0	CARBONDALE	GALUM	LIMESTONE	1.0	402.0	
55.0	CARBONDALE		GRAY SHALE	2.0	403.0	
53.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	405.0	
48.0	CARBONDALE	LAWSON	SHALE	8.0	410.0	
40.0	CARBONDALE	BRERETON	LIMESTONE	3.0	418.0	
37.0	CARBONDALE	ANNA	SHALE	4.0	421.0	
33.0	CARBONDALE	HERRIN	COAL	6.5	425.0	

MAPID: 02701988000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.408157 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557391 DATE COLLECTED:

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 2634.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.0	CARBONDALE	SPRINGFIELD	COAL	-	470.0	
-90.0	CARBONDALE	COLCHESTER	COAL	-	582.0	
-599.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1091.0	
-2091.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2583.0	TOP OF NEW ALBANY
-2104.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2596.0	
-2142.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2634.0	BASE OF NEW ALBANY

MAPID: 02701988000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.408157 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557391 DATE COLLECTED: 6 / 0 / 1963

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 456.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.5	MODESTO	PIASA	LIMESTONE	3.5	408.5	
80.0	MODESTO		UNCLASSIFIED	3.5	412.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.5	CARBONDALE		UNCLASSIFIED	11.0	415.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	426.5	
59.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	433.0	
54.5	CARBONDALE	CONANT	UNCLASSIFIED	2.5	437.5	
52.0	CARBONDALE		UNCLASSIFIED	5.0	440.0	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	1.0	445.0	
46.0	CARBONDALE	ANNA	BLACK SHALE	3.0	446.0	
43.0	CARBONDALE	HERRIN	COAL	7.0	449.0	

MAPID: 02702421000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 2 QUARTERS/FOOTAGES: 300' S line, 330' E line of NE NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.392163 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557513 DATE COLLECTED: 1 / 0 / 1944

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 553.5 LOG TYPE: Electric Log

SOURCE: NICKERSON, C. H., ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.5	MODESTO	PIASA	LIMESTONE	8.5	501.5	
60.0	MODESTO		UNCLASSIFIED	2.0	510.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
58.0	CARBONDALE		UNCLASSIFIED	12.0	512.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
46.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	524.0	
38.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	532.0	
34.5	CARBONDALE		UNCLASSIFIED	3.5	535.5	SHALE ABOVE BRERETON LIMESTONE
31.0	CARBONDALE	BRERETON	LIMESTONE	4.0	539.0	
27.0	CARBONDALE	ANNA	BLACK SHALE	3.0	543.0	
24.0	CARBONDALE	HERRIN	COAL	7.5	546.0	

MAPID: 02724652000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 2 QUARTERS/FOOTAGES: 1320' S line, 990' W line of SW SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.405738 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.554706 DATE COLLECTED: 10 / 12 / 1976
 SURFACE ELEVATION (FT.): LOGGED (FT.): 501.8 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16390-C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	SHELburn	DANVILLE	COAL	2.1	464.3
-	CARBONDALE	HERRIN	COAL	6.7	492.3

MAPID: 02725064000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 2 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.408446 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.564663 DATE COLLECTED: 0 / 0 / 1979
 SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 465.0 LOG TYPE: Electric Log
 SOURCE: FREEMAN UNITED CAR-6-79 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
69.0	SHELburn	DANVILLE	COAL	2.0	393.0
37.0	CARBONDALE	HERRIN	COAL	6.5	425.0

MAPID: 02700222000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 3 QUARTERS/FOOTAGES: SE SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.420634 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.552685 DATE COLLECTED: 0 / 0 / 1936
 SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 1089.0 LOG TYPE:
 SOURCE: HEMP BURG WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
67.0	CARBONDALE	HERRIN	COAL	5.0	433.0

MAPID: 02700222000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.420634 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.552685 **DATE COLLECTED:** 5 / 0 / 1936
SURFACE ELEVATION (FT.): 500.0 **LOGGED (FT.):** 438.0 **LOG TYPE:** Drillers Log
SOURCE: HEMPEN & BURGESS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.0	CARBONDALE	HERRIN	COAL	5.0	433.0	

MAPID: 02702004000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.426308 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.559025 **DATE COLLECTED:** 8 / 0 / 1963
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 430.0 **LOG TYPE:** Electric Log
SOURCE: TROOP, R. H. ETAL **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02700223000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 4 **QUARTERS/FOOTAGES:** SE/c NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.44146 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.561736 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1058.0 **LOG TYPE:**
SOURCE: MADDOX OG **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	HERRIN	COAL	5.0	404.0	

MAPID: 02700224000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 4 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.435597 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.551725 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1090.0 **LOG TYPE:**
SOURCE: BARTELSON **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	HERRIN	COAL	5.0	441.0	

MAPID: 02700224000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.435597 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551725 DATE COLLECTED: 6 / 0 / 1936

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 436.0 LOG TYPE: Drillers Log

SOURCE: BARTELSON OIL & GAS WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO	PIASA	LIMESTONE	10.0	379.0	
77.0	MODESTO		UNCLASSIFIED	3.0	389.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
74.0	CARBONDALE		UNCLASSIFIED	8.0	392.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	13.0	400.0	
53.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	413.0	
48.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	418.0	
46.0	CARBONDALE		UNCLASSIFIED	1.0	420.0	SHALE ABOVE BRERETON LIMESTONE
45.0	CARBONDALE	BRERETON	LIMESTONE	4.0	421.0	
41.0	CARBONDALE	ANNA	BLACK SHALE	6.0	425.0	
35.0	CARBONDALE	HERRIN	COAL	5.0	431.0	

MAPID: 02700255000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.444941 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.557205 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 455.7 LOGGED (FT.): 1001.0 LOG TYPE:

SOURCE: SANTA FE O WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.7	CARBONDALE	HERRIN	COAL	7.0	404.0	

MAPID: 02700255000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.444941 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557205 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 411.0 LOG TYPE: Drillers Log

SOURCE: SANTA FE OIL & GAS WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	MODESTO	PIASA	LIMESTONE	9.0	355.0	
92.0	MODESTO		UNCLASSIFIED	2.0	364.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.0	CARBONDALE		UNCLASSIFIED	7.0	366.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	13.0	373.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	7.0	386.0	
63.0	CARBONDALE	CONANT	UNCLASSIFIED	4.0	393.0	
59.0	CARBONDALE		UNCLASSIFIED	3.0	397.0	SHALE ABOVE BRERETON LIMESTONE
56.0	CARBONDALE	BRERETON	LIMESTONE	3.0	400.0	
53.0	CARBONDALE	ANNA	BLACK SHALE	1.0	403.0	
52.0	CARBONDALE	HERRIN	COAL	7.0	404.0	

MAPID: 02700280000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 1520' S line, 200' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.445397 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.555068 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 996.0 LOG TYPE:

SOURCE: BELL OIL WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	HERRIN	COAL	7.0	395.0	

MAPID: 02700280000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 1520' S line, 200' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.445397 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.555068 DATE COLLECTED: 0 / 0 / 1936

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 402.0 LOG TYPE: Drillers Log

SOURCE: BELL OIL & GAS WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
112.0	MODESTO	PIASA	LIMESTONE	10.0	348.0	
102.0	MODESTO		UNCLASSIFIED	2.5	358.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
99.5	CARBONDALE		UNCLASSIFIED	7.5	360.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	368.0	
83.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	377.0	
78.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	382.0	
76.0	CARBONDALE		UNCLASSIFIED	2.0	384.0	SHALE ABOVE BRERETON LIMESTONE
74.0	CARBONDALE	BRERETON	LIMESTONE	4.0	386.0	
70.0	CARBONDALE	ANNA	BLACK SHALE	5.0	390.0	
65.0	CARBONDALE	HERRIN	COAL	7.0	395.0	

MAPID: 02700318000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 1100' S line, 200' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.445394 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.553909 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 998.0 LOG TYPE:

SOURCE: BELL OIL WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	CARBONDALE	HERRIN	COAL	7.0	407.0	

MAPID: 02700318000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 1100' S line, 200' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.445394 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.553909 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 414.0 LOG TYPE: Drillers Log

SOURCE: BELL OIL & GAS WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	MODESTO	PIASA	LIMESTONE	13.0	360.0	
94.0	MODESTO		UNCLASSIFIED	3.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
91.0	CARBONDALE		UNCLASSIFIED	9.0	376.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
82.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	385.0	
74.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	393.0	
69.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	398.0	
67.0	CARBONDALE		UNCLASSIFIED	2.0	400.0	SHALE ABOVE BRERETON LIMESTONE
65.0	CARBONDALE	BRERETON	LIMESTONE	4.0	402.0	
61.0	CARBONDALE	ANNA	BLACK SHALE	1.0	406.0	
60.0	CARBONDALE	HERRIN	COAL	7.0	407.0	

MAPID: 02700432000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 1120' N line, 620' W line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.44392 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.555015 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 459.8 LOGGED (FT.): 1004.0 LOG TYPE:

SOURCE: SANTA FE O WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.8	CARBONDALE	HERRIN	COAL	5.0	400.0	

MAPID: 02700441000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 0' S line, 200' W line of NW SW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.445388 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.55268 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 475.2 LOGGED (FT.): 1203.0 LOG TYPE:

SOURCE: SANTA FE O WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.2	CARBONDALE	HERRIN	COAL	7.0	412.0	

MAPID: 02700493000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.444928 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.55178 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 2434.0 LOG TYPE:
 SOURCE: MOSEBACH P WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.0	CARBONDALE	HERRIN	COAL	5.0	420.0	DEPTH UNCERTAIN

MAPID: 02700493000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.444928 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.55178 DATE COLLECTED: 1 / 0 / 1940
 SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 425.0 LOG TYPE: Electric Log
 SOURCE: MOSEBACK PAUL WELL TYPE: Producer-Oil
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.5	MODESTO	PIASA	LIMESTONE	6.5	373.5	
109.0	MODESTO		UNCLASSIFIED	3.0	380.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
106.0	CARBONDALE		UNCLASSIFIED	13.0	383.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
93.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	396.0	
85.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	404.0	
79.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	410.0	
77.0	CARBONDALE		UNCLASSIFIED	2.5	412.0	SHALE ABOVE BRERETON LIMESTONE
74.5	CARBONDALE	BRERETON	LIMESTONE	1.5	414.5	
73.0	CARBONDALE	ANNA	BLACK SHALE	3.0	416.0	
70.0	CARBONDALE	HERRIN	COAL	6.0	419.0	

MAPID: 02700493000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.444928 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55178 DATE COLLECTED:

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 2402.0 LOG TYPE: Electric Log

SOURCE: MOSEBACK PAUL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.0	CARBONDALE	SPRINGFIELD	COAL	-	425.0	
-46.0	CARBONDALE	COLCHESTER	COAL	-	535.0	
-459.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	948.0	
-1871.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2360.0	TOP OF NEW ALBANY
-1883.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2372.0	
-1913.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2402.0	BASE OF NEW ALBANY

MAPID: 02700547000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 1650' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.440287 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551753 DATE COLLECTED: 8 / 0 / 1940

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: BELL OIL & GAS WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	CARBONDALE	HERRIN	COAL	6.0	428.0	

MAPID: 02724614000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES:

QUADRANGLE: BECKEMEYER LONGITUDE: -89.436787 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.558106 DATE COLLECTED: 12 / 9 / 1976

SURFACE ELEVATION (FT.): LOGGED (FT.): 478.5 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16396C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-				1.5	419.9	
-				1.5	426.0	
-	CARBONDALE	HERRIN	COAL	9.5	460.8	

MAPID: 02724861000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 0' S line, 330' W line of SW SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.444925 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.550869 DATE COLLECTED: 4 / 22 / 1977
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 420.2 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16612-C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
77.2	CARBONDALE	HERRIN	COAL	8.1	402.8	REMOVED BY CO.

MAPID: 02724863000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 4 QUARTERS/FOOTAGES: 1320' N line, 0' W line of NW NW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.446123 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.5617 DATE COLLECTED: 2 / 24 / 1977
 SURFACE ELEVATION (FT.): LOGGED (FT.): 445.1 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16400-C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
-	CARBONDALE	HERRIN	COAL	9.9	429.2	REMOVED BY CO.

MAPID: 02700225000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: SE NE SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.456535 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.555487 DATE COLLECTED: 0 / 0 / 1937
 SURFACE ELEVATION (FT.): 459.5 LOGGED (FT.): 1025.0 LOG TYPE:
 SOURCE: NEWTON WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
30.5	CARBONDALE	HERRIN	COAL	8.0	429.0	

MAPID: 02700225000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.456535 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.555487 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 437.0 LOG TYPE: Drillers Log

SOURCE: WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
82.0	MODESTO	PIASA	LIMESTONE	8.0	378.0
74.0	CARBONDALE		GRAY SHALE	12.0	386.0
62.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	398.0
54.0	CARBONDALE	LAWSON	SHALE	7.0	406.0
47.0	CARBONDALE	CONANT	LIMESTONE	2.0	413.0
45.0	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	3.0	415.0
42.0	CARBONDALE	BRERETON	LIMESTONE	9.0	418.0
33.0	CARBONDALE	ANNA	BLACK SHALE	2.0	427.0
31.0	CARBONDALE	HERRIN	COAL	8.0	429.0

MAPID: 02700256000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.44726 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.555406 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 459.5 LOGGED (FT.): 991.0 LOG TYPE:

SOURCE: SANTA FE O WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
67.5	CARBONDALE	HERRIN	COAL	3.0	392.0

MAPID: 02700257000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: 200' S line, 200' E line of SW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.451429 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.551487 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 477.2 LOGGED (FT.): 989.0 LOG TYPE:

SOURCE: SANTA FE O WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
54.2	CARBONDALE	HERRIN	COAL	11.0	423.0

MAPID: 02700258000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.44958 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.555426 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 458.6 **LOGGED (FT.):** 999.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.6	CARBONDALE	HERRIN	COAL	9.0	403.0	

MAPID: 02700259000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 0' N line, 200' W line of SW SE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.450025 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.552724 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 468.6 **LOGGED (FT.):** 987.0 **LOG TYPE:**
SOURCE: BARTELSON O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.6	CARBONDALE	HERRIN	COAL	7.0	415.0	

MAPID: 02700260000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' S line, 1050' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.44978 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.551826 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 481.1 **LOGGED (FT.):** 1017.0 **LOG TYPE:**
SOURCE: BARTELSON O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.1	CARBONDALE	HERRIN	COAL	6.0	422.0	

MAPID: 02700261000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 1120' S line, 200' E line of SW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.451438 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.554027 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 994.0 **LOG TYPE:**
SOURCE: SANTA FE O 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	7.0	414.0	

MAPID: 02700262000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 1125' S line, 650' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.448382 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.554007 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 462.9 **LOGGED (FT.):** 996.0 **LOG TYPE:**
SOURCE: BARTELSON O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.9	CARBONDALE	HERRIN	COAL	6.0	401.0	

MAPID: 02700264000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 660' S line, 1520' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.451435 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.552757 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 993.0 **LOG TYPE:**
SOURCE: SANTA FE O0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	7.0	417.0	

MAPID: 02700281000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.449575 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.553621 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 999.0 **LOG TYPE:**
SOURCE: BARTELSON O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	HERRIN	COAL	7.0	406.0	

MAPID: 02700315000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 200' S line, 200' E line of NE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.446803 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.555052 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 995.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.0	CARBONDALE	HERRIN	COAL	8.0	393.0	

MAPID: 02700316000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:**
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.455387 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.558176 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 458.8 **LOGGED (FT.):** 1005.0 **LOG TYPE:**
SOURCE: ROBBEN OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.8	CARBONDALE	HERRIN	COAL	5.0	419.0	

MAPID: 02700317000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 200' S line, 150' W line of SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.454836 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.551525 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 466.7 **LOGGED (FT.):** 985.0 **LOG TYPE:**
SOURCE: ROBBEN OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
62.7	CARBONDALE	HERRIN	COAL	7.0	404.0	

MAPID: 02700319000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 120' S line, 200' E line of SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.456066 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.551315 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 980.0 **LOG TYPE:**
SOURCE: NEWTON WRD **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	8.0	404.0	

MAPID: 02700320000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.456535 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.555487 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 1045.0 **LOG TYPE:**
SOURCE: NEWTON **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
28.0	CARBONDALE	HERRIN	COAL	8.0	429.0	

MAPID: 02700321000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** SE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.457686 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.552799 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 467.5 **LOGGED (FT.):** 983.0 **LOG TYPE:**
SOURCE: NEWTON WRD **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.5	CARBONDALE	HERRIN	COAL	7.0	427.0	

MAPID: 02700322000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 1920' S line, 200' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.446806 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.556184 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 459.0 **LOGGED (FT.):** 1019.0 **LOG TYPE:**
SOURCE: ROBBEN OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	CARBONDALE	HERRIN	COAL	7.0	400.0	

MAPID: 02700331000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 660' S line, 150' W line of SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.454838 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.552795 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 462.8 **LOGGED (FT.):** 972.0 **LOG TYPE:**
SOURCE: ROBBEN OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.8	CARBONDALE	HERRIN	COAL	9.0	422.0	

MAPID: 02700332000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 200' N line, 200' E line of SE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.456075 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.554032 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 998.0 **LOG TYPE:**
SOURCE: NEWTON WRD **WELL TYPE:** Oil and Gas Test
COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	CARBONDALE	HERRIN	COAL	8.0	430.0	CORRELATION UNCERTAIN

MAPID: 02700420000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.454212 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.553667 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 457.9 **LOGGED (FT.):** 985.0 **LOG TYPE:**
SOURCE: ROBBEN OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
33.9	CARBONDALE	HERRIN	COAL	9.0	424.0	

MAPID: 02700433000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 165' S line, 510' E line of SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.457156 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.551451 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 464.8 **LOGGED (FT.):** 976.0 **LOG TYPE:**
SOURCE: NEWTON WRD **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.8	CARBONDALE	HERRIN	COAL	8.0	398.0	

MAPID: 02700437000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 1120' S line, 647' W line of SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.453097 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.554045 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 459.1 **LOGGED (FT.):** 994.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
37.1	CARBONDALE	HERRIN	COAL	7.0	422.0	

MAPID: 02700494000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.451886 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.551849 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 475.0 **LOGGED (FT.):** 2431.0 **LOG TYPE:**
SOURCE: MOSEBACH P **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	CARBONDALE	HERRIN	COAL	6.0	423.0	

MAPID: 02701126000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 380' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.449401 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.555435 DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 403.5 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.5	MODESTO	PIASA	LIMESTONE	5.0	354.5	
100.5	MODESTO		UNCLASSIFIED	2.0	359.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.5	CARBONDALE		UNCLASSIFIED	8.5	361.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	370.0	
80.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	380.0	
75.0	CARBONDALE	CONANT	UNCLASSIFIED	0.5	385.0	
74.5	CARBONDALE		UNCLASSIFIED	1.0	385.5	SHALE ABOVE BRERETON LIMESTONE
73.5	CARBONDALE	BRERETON	LIMESTONE	5.5	386.5	
68.0	CARBONDALE	ANNA	BLACK SHALE	4.0	392.0	
64.0	CARBONDALE	HERRIN	COAL	7.5	396.0	

MAPID: 02701208000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: 375' S line, 426' E line of SW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.461501 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.552079 DATE COLLECTED: 2 / 0 / 1956

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 421.0 LOG TYPE: Electric Log

SOURCE: SHAKESPEARE OIL CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
94.0	MODESTO	PIASA	LIMESTONE	7.0	367.0	
87.0	MODESTO		UNCLASSIFIED	3.5	374.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.5	CARBONDALE		UNCLASSIFIED	11.0	377.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
72.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.5	388.5	
62.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	399.0	
58.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	403.0	
56.5	CARBONDALE		UNCLASSIFIED	1.0	404.5	SHALE ABOVE BRERETON LIMESTONE
55.5	CARBONDALE	BRERETON	LIMESTONE	5.0	405.5	
50.5	CARBONDALE	ANNA	BLACK SHALE	3.5	410.5	
47.0	CARBONDALE	HERRIN	COAL	7.0	414.0	

MAPID: 02701366000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: 50' S line, 0' W line of SE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.450723 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551065 DATE COLLECTED: 11 / 0 / 1954

SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 440.0 LOG TYPE: Electric Log

SOURCE: ROBBEN UNIT WTR FLD WELL TYPE: Water Injection

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	MODESTO	PIASA	LIMESTONE	7.0	383.0	
94.0	MODESTO		UNCLASSIFIED	3.0	390.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
91.0	CARBONDALE	DANVILLE	COAL	1.0	393.0	
90.0	CARBONDALE		UNCLASSIFIED	12.0	394.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
78.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	11.0	406.0	
67.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	417.0	
63.5	CARBONDALE		UNCLASSIFIED	3.5	420.5	SHALE ABOVE BRERETON LIMESTONE
60.0	CARBONDALE	BRERETON	LIMESTONE	5.0	424.0	
55.0	CARBONDALE	ANNA	BLACK SHALE	3.0	429.0	
52.0	CARBONDALE	HERRIN	COAL	8.0	432.0	

MAPID: 02702445000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.456529 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.553676 DATE COLLECTED: 9 / 0 / 1940

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 453.0 LOG TYPE: Electric Log

SOURCE: WOODARD H S WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
74.0	MODESTO	PIASA	LIMESTONE	5.0	395.0	
69.0	MODESTO		UNCLASSIFIED	3.0	400.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.0	CARBONDALE		UNCLASSIFIED	14.0	403.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
52.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	417.0	
43.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	426.0	
37.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	432.0	
36.0	CARBONDALE		UNCLASSIFIED	1.5	433.0	SHALE ABOVE BRERETON LIMESTONE
34.5	CARBONDALE	BRERETON	LIMESTONE	7.5	434.5	
27.0	CARBONDALE	ANNA	BLACK SHALE	3.0	442.0	
24.0	CARBONDALE	HERRIN	COAL	8.0	445.0	

MAPID: 02702451000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 660' W line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.453042 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551864 DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 2413.0 LOG TYPE: Electric Log

SOURCE: MOSEBACK PAUL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
15.0	CARBONDALE	SPRINGFIELD	COAL	-	452.0	
-113.0	CARBONDALE	COLCHESTER	COAL	-	580.0	
-463.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	930.0	
-1901.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2368.0	TOP OF NEW ALBANY
-1915.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2382.0	
-1946.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2413.0	BASE OF NEW ALBANY

MAPID: 02724618000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 5 QUARTERS/FOOTAGES: 1320' S line, 0' W line of SW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.46465 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.554722 DATE COLLECTED: 2 / 10 / 1977

SURFACE ELEVATION (FT.): LOGGED (FT.): 446.9 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16399-C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELBURN	DANVILLE	COAL	2.0	388.7	
-	CARBONDALE	HERRIN	COAL	10.1	427.7	

MAPID: 02700192000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 6 QUARTERS/FOOTAGES: 175' S line, 900' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.467801 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.551606 DATE COLLECTED:

SURFACE ELEVATION (FT.): 455.2 LOGGED (FT.): 1055.0 LOG TYPE:

SOURCE: EWING MARQ WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.2	CARBONDALE	HERRIN	COAL	-	411.0	

MAPID: 02700263000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 6 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.475079 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.552119 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 477.2 **LOGGED (FT.):** 1424.0 **LOG TYPE:**
SOURCE: WILLISETAL **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.2	CARBONDALE	HERRIN	COAL	10.0	405.0	

MAPID: 02700263000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 6 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.475079 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.552119 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 477.0 **LOGGED (FT.):** 415.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
125.0	MODESTO	PIASA	LIMESTONE	10.0	352.0	
115.0	CARBONDALE		GRAY SHALE	15.0	362.0	
100.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	377.0	
91.0	CARBONDALE	LAWSON	DARK GRAY SHALE	4.0	386.0	
87.0	CARBONDALE	BRERETON	LIMESTONE	15.0	390.0	
72.0	CARBONDALE	HERRIN	COAL	10.0	405.0	

MAPID: 02700438000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 6 **QUARTERS/FOOTAGES:** 150' S line, 150' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.465165 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.551498 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 458.3 **LOGGED (FT.):** 1027.0 **LOG TYPE:**
SOURCE: MOSEBACH P **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.3	CARBONDALE	HERRIN	COAL	8.0	398.0	

MAPID: 02700438000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 6 QUARTERS/FOOTAGES: 150' S line, 150' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.465165 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551498 DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 406.0 LOG TYPE: Drillers Log

SOURCE: MOSEBACH, PAUL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	8.0	350.0	
100.0	MODESTO		UNCLASSIFIED	4.0	358.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
96.0	CARBONDALE		UNCLASSIFIED	10.0	362.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	372.0	
77.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	381.0	
72.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	386.0	
70.0	CARBONDALE		UNCLASSIFIED	2.0	388.0	SHALE ABOVE BRERETON LIMESTONE
68.0	CARBONDALE	BRERETON	LIMESTONE	5.0	390.0	
63.0	CARBONDALE	ANNA	BLACK SHALE	3.0	395.0	
60.0	CARBONDALE	HERRIN	COAL	8.0	398.0	

MAPID: 02724653000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 990' E line of NE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.468126 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.562719 DATE COLLECTED: 3 / 3 / 1977

SURFACE ELEVATION (FT.): LOGGED (FT.): 431.7 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16609-C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELBURN	DANVILLE	COAL	2.1	378.1	
-	CARBONDALE	HERRIN	COAL	10.0	417.5	

MAPID: 02700193000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 7 QUARTERS/FOOTAGES: 4325' S line, 3600' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.47726 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.548434 DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.2 LOGGED (FT.): 1065.0 LOG TYPE:

SOURCE: EWING MARQ WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.2	CARBONDALE	HERRIN	COAL	5.0	423.0	

MAPID: 02700193000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 4325' S line, 3600' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.47726 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.548434 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 428.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	CARBONDALE	HERRIN	COAL	5.0	423.0	

MAPID: 02700194000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** NW/c NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.478512 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.547581 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 483.3 **LOGGED (FT.):** 1060.0 **LOG TYPE:**
SOURCE: SNOWDEN BU **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.3	CARBONDALE	HERRIN	COAL	6.0	420.0	

MAPID: 02700194000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** NW/c NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.478512 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.547581 **DATE COLLECTED:** 9 / 0 / 1911
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 426.0 **LOG TYPE:** Drillers Log
SOURCE: SNOWDEN&BURTON BROS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	CARBONDALE	HERRIN	COAL	6.0	420.0	

MAPID: 02700195000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 4250' S line, 1450' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.469698 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.548189 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.8 **LOGGED (FT.):** 1225.0 **LOG TYPE:**
SOURCE: SNOWDEN BU **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.8	CARBONDALE	HERRIN	COAL	5.0	405.0	

MAPID: 02700195000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 7 QUARTERS/FOOTAGES: 4250' S line, 1450' E line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.469698 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.548189 DATE COLLECTED: 0 / 0 / 1911
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 410.0 LOG TYPE: Drillers Log
 SOURCE: BURTON & SNOWDEN WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	CARBONDALE	HERRIN	COAL	5.0	405.0	

MAPID: 02700196000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 7 QUARTERS/FOOTAGES: NE/c SE SW SE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.470272 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.537375 DATE COLLECTED: 0 / 0 / 1908
 SURFACE ELEVATION (FT.): 451.2 LOGGED (FT.): 419.0 LOG TYPE:
 SOURCE: GERMANTN F WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.2	CARBONDALE	HERRIN	COAL	7.8	410.0	

MAPID: 02700196000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 7 QUARTERS/FOOTAGES: NE/c SE SW SE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.470272 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.537375 DATE COLLECTED: 0 / 0 / 1908
 SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 417.8 LOG TYPE: Drillers Log
 SOURCE: GERMANTOWN FLOUR MLS WELL TYPE: Misc. Borings 100 Ft. & Deeper
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.4	MODESTO	PIASA	LIMESTONE	5.5	363.6	
81.9	MODESTO		UNCLASSIFIED	5.5	369.1	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.4	CARBONDALE	DANVILLE	COAL	0.6	374.6	
75.8	CARBONDALE		UNCLASSIFIED	10.0	375.2	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.8	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	385.2	
58.3	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.8	392.7	
52.5	CARBONDALE	CONANT	UNCLASSIFIED	3.0	398.5	
49.5	CARBONDALE		UNCLASSIFIED	3.0	401.5	SHALE ABOVE BRERETON LIMESTONE
46.5	CARBONDALE	BRERETON	LIMESTONE	1.0	404.5	
45.5	CARBONDALE	ANNA	BLACK SHALE	4.5	405.5	
41.0	CARBONDALE	HERRIN	COAL	7.8	410.0	

MAPID: 02700196000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 7 QUARTERS/FOOTAGES: NE/c SE SW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.470272 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.537375 DATE COLLECTED: 0 / 0 / 1908

SURFACE ELEVATION (FT.): 451.2 LOGGED (FT.): 419.0 LOG TYPE: Drillers Log

SOURCE: GERMANTOWN FLOUR MILL, HOLE #1 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
451.2			SOIL	1.0	0.0	
450.2			SANDY CLAY	19.0	1.0	
431.2			SAND & GRAVEL	30.5	20.0	
400.7			CLAY & GRAVEL	30.5	50.5	
370.2	BOND		SHALE	1.0	81.0	
369.2	BOND	CARTHAGE	LIMESTONE	6.6	82.0	
362.6	MODESTO		SHALE	2.8	88.6	
359.9	MODESTO		BLACK SHALE	2.7	91.3	
357.2	MODESTO		SHALE	10.2	94.0	
347.0	MODESTO		COAL	0.8	104.2	
346.2	MODESTO		SHALE	7.0	105.0	
339.2	MODESTO		SANDY SHALE	19.0	112.0	
320.2	MODESTO		SHALE	28.0	131.0	
292.2	MODESTO		SHALE	13.0	159.0	
279.2	MODESTO		SANDY SHALE	49.0	172.0	
230.2	MODESTO		SANDSTONE	25.0	221.0	
205.2	MODESTO		SANDSTONE	5.0	246.0	W/ COAL PARTINGS
200.2	MODESTO		SHALE	19.5	251.0	
180.7	MODESTO		SANDSTONE	4.8	270.5	
175.9	MODESTO		CONGLOMERATE	6.0	275.3	
169.9	MODESTO		SHALE	0.4	281.3	
169.4	MODESTO		SHALE	7.0	281.8	
162.4	MODESTO		SHALE	5.3	288.8	
157.2	MODESTO		SHALE	16.0	294.0	
141.2	MODESTO		SHALE	31.8	310.0	
109.4	MODESTO		BLACK SHALE	0.3	341.8	
109.2	MODESTO		CLAYSTONE & SHALE	1.3	342.0	
107.9	MODESTO		LIMESTONE	3.0	343.3	
104.9	MODESTO		SHALE	10.0	346.3	
94.9	MODESTO		BLACK SHALE	0.8	356.3	
94.2	MODESTO		CLAYSTONE & SHALE	6.5	357.0	
87.7	MODESTO	PIASA	LIMESTONE	5.5	363.5	
82.2	MODESTO		SHALE	5.5	369.0	
76.7	CARBONDALE	DANVILLE	BONE COAL	0.6	374.5	
76.1	CARBONDALE	DANVILLE	CLAYSTONE & SILTSTONE	4.9	375.1	
71.2	CARBONDALE	DANVILLE	BONE COAL	1.0	380.0	
70.2	CARBONDALE		CLAYSTONE & SHALE	4.0	381.0	
66.2	CARBONDALE	BANKSTON FORK	LIMESTONE	7.5	385.0	
58.7	CARBONDALE	BANKSTON FORK	SHALE	3.5	392.5	

55.2	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	396.0	
54.2	CARBONDALE	BANKSTON FORK	SHALE	1.3	397.0	
52.9	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	398.3	
49.9	CARBONDALE		SHALE	3.0	401.3	
46.9	CARBONDALE	CONANT	LIMESTONE	1.0	404.3	CORRELATION UNCERTAIN
45.9	CARBONDALE		SHALE	3.0	405.3	
42.9	CARBONDALE	BRERETON	LIMESTONE	1.5	408.3	
41.4	CARBONDALE	HERRIN	COAL	7.8	409.8	W/ THIN BLUE BAND
33.6	CARBONDALE		CLAYSTONE & SILTSTONE	1.4	417.6	

MAPID: 02700226000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 2320' S line, 1520' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.46988 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.542861 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 1026.0 **LOG TYPE:**
SOURCE: COOKSEY **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
52.0	CARBONDALE	HERRIN	COAL	10.0	404.0	

MAPID: 02700246000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 4650' S line, 250' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.465493 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.54927 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 476.0 **LOGGED (FT.):** 1040.0 **LOG TYPE:**
SOURCE: NOLLEM OG **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
56.0	CARBONDALE	HERRIN	COAL	8.0	420.0	

MAPID: 02700246000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 4650' S line, 250' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.465493 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.54927 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 476.0 **LOGGED (FT.):** 428.0 **LOG TYPE:** Drillers Log
SOURCE: NOLLEM OIL & GAS CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
56.0	CARBONDALE	HERRIN	COAL	8.0	420.0	

MAPID: 02724864000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 1320' S line, 1320' E line of NE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.46919 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.543769 **DATE COLLECTED:** 10 / 26 / 1976
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 412.5 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16392-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.3	CARBONDALE	HERRIN	COAL	10.4	401.7	REMOVED BY CO.

MAPID: 02700227000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 200' N line, 660' W line of NE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.457583 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.543144 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 453.4 **LOGGED (FT.):** 1030.0 **LOG TYPE:**
SOURCE: NOLLEM OG 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.4	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02700228000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 320' S line, 200' E line of SE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.455986 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.544565 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 463.3 **LOGGED (FT.):** 1118.0 **LOG TYPE:**
SOURCE: OHIO OIL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
54.3	CARBONDALE	HERRIN	COAL	7.0	409.0	

MAPID: 02700229000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.45419 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.55005 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 476.7 **LOGGED (FT.):** 1047.0 **LOG TYPE:**
SOURCE: SANTA FE O 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
74.7	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02700230000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 230' N line, 660' W line of SE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.457626 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.546714 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 488.0 **LOGGED (FT.):** 1037.0 **LOG TYPE:**
SOURCE: BARTELSON O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02700231000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.456463 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.546426 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 471.6 **LOGGED (FT.):** 1017.0 **LOG TYPE:**
SOURCE: BARTELSON O 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.6	CARBONDALE	HERRIN	COAL	7.0	402.0	

MAPID: 02700232000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 150' N line, 150' W line of SE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.459423 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.546952 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 498.8 **LOGGED (FT.):** 1045.0 **LOG TYPE:**
SOURCE: BARTELSON O 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.8	CARBONDALE	HERRIN	COAL	7.0	425.0	

MAPID: 02700233000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 200' S line, 200' E line of NE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.456026 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.547887 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 476.0 **LOGGED (FT.):** 1010.0 **LOG TYPE:**
SOURCE: OHIO OIL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	CARBONDALE	HERRIN	COAL	11.0	405.0	

MAPID: 02700234000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 339' S line, 660' E line of NE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.457647 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.548285 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 481.8 **LOGGED (FT.):** 1020.0 **LOG TYPE:**
SOURCE: OHIO OIL **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.8	CARBONDALE	HERRIN	COAL	11.0	409.0	

MAPID: 02700236000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.451873 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.550027 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 509.1 **LOGGED (FT.):** 1045.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.1	CARBONDALE	HERRIN	COAL	5.0	443.0	

MAPID: 02700237000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE/c SE NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.45185 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.548205 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 533.2 **LOGGED (FT.):** 1067.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.2	CARBONDALE	HERRIN	COAL	3.0	476.0	

MAPID: 02700238000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 200' S line, 58' W line of NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.455119 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.547878 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 494.6 **LOGGED (FT.):** 1027.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.6	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02700242000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:**
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.45527 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.543676 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 478.7 **LOGGED (FT.):** 1017.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.7	CARBONDALE	HERRIN	COAL	8.0	400.0	

MAPID: 02700243000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** SW NE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.458807 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.548274 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 498.8 **LOGGED (FT.):** 1084.0 **LOG TYPE:**
SOURCE: OHIO OIL 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.8	CARBONDALE	HERRIN	COAL	9.0	432.0	

MAPID: 02700265000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 8' S line, 150' E line of NW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.460481 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.547397 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 503.8 **LOGGED (FT.):** 1062.0 **LOG TYPE:**
SOURCE: TIMBERLAKE **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.8	CARBONDALE	HERRIN	COAL	12.0	435.0	

MAPID: 02700266000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 200' N line, 574' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.462609 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.550503 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 488.3 **LOGGED (FT.):** 1056.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.3	CARBONDALE	HERRIN	COAL	7.0	409.0	

MAPID: 02700267000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.451873 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.550027 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 490.0 **LOGGED (FT.):** 1017.0 **LOG TYPE:**
SOURCE: SANTA FE O0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	7.0	437.0	

MAPID: 02700268000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 600' N line, 70' E line of NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.455586 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.549322 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 1006.0 **LOG TYPE:**
SOURCE: OHIO OIL 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
76.0	CARBONDALE	HERRIN	COAL	10.0	398.0	

MAPID: 02700325000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.45419 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.55005 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 987.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	CARBONDALE	HERRIN	COAL	6.0	412.0	

MAPID: 02700375000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 200' N line, 510' E line of NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.45715 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.550443 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 468.1 **LOGGED (FT.):** 982.0 **LOG TYPE:**
SOURCE: NEWTON WRD **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.1	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02700377000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.449506 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.54636 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 1036.0 **LOG TYPE:**
SOURCE: CLAUDE BEL **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.0	CARBONDALE	HERRIN	COAL	7.0	417.0	

MAPID: 02700380000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 620' N line, 650' E line of NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.457625 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.54929 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 472.6 **LOGGED (FT.):** 1008.0 **LOG TYPE:**
SOURCE: NEWTON WRD **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.6	CARBONDALE	HERRIN	COAL	8.0	406.0	

MAPID: 02700495000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 200' S line, 200' W line of SE NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.449936 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.544185 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1055.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	CARBONDALE	HERRIN	COAL	7.0	405.0	

MAPID: 02701383000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 660' N line, 15' W line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.459924 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.549205 DATE COLLECTED: 12 / 0 / 1956

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 434.5 LOG TYPE: Electric Log

SOURCE: ROBBEN OIL CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.5	MODESTO	PIASA	LIMESTONE	8.0	377.5	
93.5	MODESTO		UNCLASSIFIED	3.0	385.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.5	CARBONDALE	DANVILLE	COAL	1.0	388.5	
89.5	CARBONDALE		UNCLASSIFIED	12.0	389.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
77.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	401.5	
67.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	411.5	
64.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	414.5	
63.5	CARBONDALE		UNCLASSIFIED	3.0	415.5	SHALE ABOVE BRERETON LIMESTONE
60.5	CARBONDALE	BRERETON	LIMESTONE	5.5	418.5	
55.0	CARBONDALE	ANNA	BLACK SHALE	3.0	424.0	
52.0	CARBONDALE	HERRIN	COAL	7.5	427.0	

MAPID: 02701846000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW SE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.449506 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54636 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 487.0 LOGGED (FT.): 424.0 LOG TYPE: Electric Log

SOURCE: ROBBEN OIL CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	CARBONDALE	HERRIN	COAL	8.0	416.0	

MAPID: 02701875000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.4541 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.542756 DATE COLLECTED:

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 2482.0 LOG TYPE: Electric Log

SOURCE: BEESON OIL PROD. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	CARBONDALE	SPRINGFIELD	COAL	-	405.0	
-59.0	CARBONDALE	COLCHESTER	COAL	-	525.0	
-516.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	982.0	
-1974.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2440.0	TOP OF NEW ALBANY
-1988.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2454.0	
-2016.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2482.0	BASE OF NEW ALBANY

MAPID: 02701875000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.4541 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.542756 DATE COLLECTED: 8 / 0 / 1961

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 412.5 LOG TYPE: Electric Log

SOURCE: BEESON OIL PROD. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.5	MODESTO	PIASA	LIMESTONE	7.5	359.5	
99.0	MODESTO		UNCLASSIFIED	4.0	367.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.0	CARBONDALE		UNCLASSIFIED	8.0	371.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
87.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	379.0	
80.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	386.0	
75.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	391.0	
73.5	CARBONDALE		UNCLASSIFIED	2.5	392.5	SHALE ABOVE BRERETON LIMESTONE
71.0	CARBONDALE	BRERETON	LIMESTONE	7.0	395.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	3.0	402.0	
61.0	CARBONDALE	HERRIN	COAL	7.5	405.0	

MAPID: 02701932000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 380' W line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.45399 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.548225 DATE COLLECTED: 8 / 0 / 1962

SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 435.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.5	MODESTO	PIASA	LIMESTONE	5.5	379.5	
106.0	MODESTO		UNCLASSIFIED	4.0	385.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
102.0	CARBONDALE		UNCLASSIFIED	11.5	389.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.5	400.5	
80.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	8.0	411.0	
72.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	419.0	
69.0	CARBONDALE		UNCLASSIFIED	3.0	422.0	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	BRERETON	LIMESTONE	1.0	425.0	
65.0	CARBONDALE	ANNA	BLACK SHALE	2.0	426.0	
63.0	CARBONDALE	HERRIN	COAL	7.0	428.0	

MAPID: 02701961000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.456467 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.546426 DATE COLLECTED: 12 / 0 / 1962

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 413.5 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.5	MODESTO	PIASA	LIMESTONE	7.5	355.5	
114.0	MODESTO		UNCLASSIFIED	4.0	363.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.0	CARBONDALE		UNCLASSIFIED	13.0	367.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.5	380.0	
86.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	390.5	
83.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	393.5	
82.5	CARBONDALE		UNCLASSIFIED	5.5	394.5	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	3.5	400.0	
73.5	CARBONDALE	ANNA	BLACK SHALE	2.5	403.5	
71.0	CARBONDALE	HERRIN	COAL	7.5	406.0	

MAPID: 02701966000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.451826 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.546383 DATE COLLECTED: 0 / 0 / 1966

SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	LIMESTONE	6.0	380.0	
104.0	MODESTO		UNCLASSIFIED	2.0	386.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
102.0	CARBONDALE		UNCLASSIFIED	10.0	388.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	398.0	
82.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	408.0	
76.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	414.0	
74.0	CARBONDALE		UNCLASSIFIED	1.0	416.0	SHALE ABOVE BRERETON LIMESTONE
73.0	CARBONDALE	BRERETON	LIMESTONE	3.0	417.0	
70.0	CARBONDALE	ANNA	BLACK SHALE	4.0	420.0	
66.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02701974000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.45642 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.542776 DATE COLLECTED: 2 / 0 / 1963

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 412.5 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	7.0	356.0	
93.0	MODESTO		UNCLASSIFIED	4.0	363.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
89.0	CARBONDALE		UNCLASSIFIED	11.0	367.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
78.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	378.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	386.0	
64.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	392.0	
61.0	CARBONDALE		UNCLASSIFIED	6.0	395.0	SHALE ABOVE BRERETON LIMESTONE
55.0	CARBONDALE	BRERETON	LIMESTONE	3.0	401.0	
52.0	CARBONDALE	ANNA	BLACK SHALE	2.0	404.0	
50.0	CARBONDALE	HERRIN	COAL	6.5	406.0	

MAPID: 02703738000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 1650' S line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.463356

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.540976

DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 411.9

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8730-C

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.1	MODESTO	PIASA	LIMESTONE	8.9	350.9	
90.2	MODESTO		GRAY SHALE	6.8	359.8	
83.4	CARBONDALE	DANVILLE	COAL	1.5	366.6	
81.9	CARBONDALE		GRAY SHALE	6.8	368.1	
75.1	CARBONDALE	BANKSTON FORK	LIMESTONE	5.7	374.9	UPPER BENCH
69.4	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.1	380.6	SHALE PARTING
67.3	CARBONDALE	BANKSTON FORK	LIMESTONE	1.3	382.7	LOWER BENCH
66.0	CARBONDALE	LAWSON	DARK GRAY SHALE	6.7	384.0	
59.3	CARBONDALE	CONANT	LIMESTONE	0.7	390.7	
58.6	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	3.9	391.4	
54.7	CARBONDALE		CALCAREOUS SHALE	0.5	395.3	
54.2	CARBONDALE	BRERETON	LIMESTONE	1.9	395.8	
52.2	CARBONDALE	ANNA	BLACK SHALE	4.3	397.8	
48.0	CARBONDALE	HERRIN	COAL	9.9	402.0	

MAPID: 02703738000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 8 QUARTERS/FOOTAGES: 1650' S line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.463356

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.540976

DATE COLLECTED:

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 410.9

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8730-C

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.5	MODESTO	PIASA	LIMESTONE	8.9	349.5	
82.6	MODESTO		UNCLASSIFIED	2.8	358.4	
79.8	CARBONDALE		UNCLASSIFIED	12.3	361.2	
67.5	CARBONDALE	BANKSTON FORK	LIMESTONE	8.1	373.5	
59.4	CARBONDALE	ANVIL ROCK	SANDSTONE	6.7	381.6	
52.7	CARBONDALE	CONANT	LIMESTONE	0.7	388.3	
52.0	CARBONDALE		SHALE	2.3	389.0	
49.7	CARBONDALE	BRERETON	LIMESTONE	4.8	391.3	
44.9	CARBONDALE	ANNA	BLACK SHALE	4.9	396.1	
40.0	CARBONDALE	HERRIN	COAL	9.9	401.0	

MAPID: 02703738000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** 1650' S line, 330' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.463356 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.540976 **DATE COLLECTED:** 7 / 8 / 1969
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 413.4 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8730-C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.5	CARBONDALE	HERRIN	COAL	9.9	401.5	REMOVED BY CO.

MAPID: 02700496000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' S line, 660' W line of NE SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.438996 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.540869 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 456.9 **LOGGED (FT.):** 1071.0 **LOG TYPE:**
SOURCE: NORTON WMS **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.9	CARBONDALE	HERRIN	COAL	-	405.0	

MAPID: 02701130000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.442535 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.546312 **DATE COLLECTED:** 8 / 0 / 1955
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 417.5 **LOG TYPE:** Electric Log
SOURCE: HARRISON C HOMER **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.0	MODESTO	PIASA	LIMESTONE	5.0	365.0	
100.0	MODESTO		UNCLASSIFIED	4.0	370.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
96.0	CARBONDALE		UNCLASSIFIED	13.0	374.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	387.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	395.0	
70.0	CARBONDALE	CONANT	UNCLASSIFIED	0.5	400.0	
69.5	CARBONDALE		UNCLASSIFIED	1.5	400.5	SHALE ABOVE BRERETON LIMESTONE
68.0	CARBONDALE	BRERETON	LIMESTONE	4.0	402.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	4.0	406.0	
60.0	CARBONDALE	HERRIN	COAL	7.5	410.0	

MAPID: 02701426000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.430885 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.542651 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.6	MODESTO	PIASA	LIMESTONE	6.5	370.4	
73.1	MODESTO		UNCLASSIFIED	4.0	376.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
69.1	CARBONDALE		UNCLASSIFIED	11.0	380.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
58.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	391.9	
49.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.8	400.9	
45.3	CARBONDALE		UNCLASSIFIED	3.8	404.7	SHALE ABOVE BRERETON LIMESTONE
41.5	CARBONDALE	BRERETON	LIMESTONE	2.5	408.5	
39.0	CARBONDALE	ANNA	BLACK SHALE	3.0	411.0	
36.0	CARBONDALE	HERRIN	COAL	6.0	414.0	

MAPID: 02701976000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 660' N line, 330' W line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.440244 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.549017 DATE COLLECTED: 2 / 0 / 1963

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 442.5 LOG TYPE: Electric Log

SOURCE: LAMPEN, EDWARD H. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	MODESTO	PIASA	LIMESTONE	4.5	389.0	
85.5	MODESTO		UNCLASSIFIED	5.0	393.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
80.5	CARBONDALE		UNCLASSIFIED	13.5	398.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
67.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	412.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	422.0	
53.5	CARBONDALE		UNCLASSIFIED	3.5	425.5	SHALE ABOVE BRERETON LIMESTONE
50.0	CARBONDALE	BRERETON	LIMESTONE	3.0	429.0	
47.0	CARBONDALE	ANNA	BLACK SHALE	3.0	432.0	
44.0	CARBONDALE	HERRIN	COAL	7.5	435.0	

MAPID: 02703237000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.440156 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54087 DATE COLLECTED: 8 / 0 / 1965

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 410.0 LOG TYPE: Electric Log

SOURCE: DODGE, J. U. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	5.0	405.0	

MAPID: 02703773000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 990' S line, 1320' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.432024 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.539071 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 417.6 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9014-C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
74.5	MODESTO	PIASA	LIMESTONE	8.2	365.5	
66.3	MODESTO		GRAY SHALE	7.4	373.7	
58.9	CARBONDALE	DANVILLE	COAL	1.6	381.1	
57.3	CARBONDALE		GRAY SHALE	5.8	382.7	
51.5	CARBONDALE	BANKSTON FORK	LIMESTONE	5.4	388.5	UPPER BENCH
46.1	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.5	393.9	SHALE PARTING
44.6	CARBONDALE	BANKSTON FORK	LIMESTONE	1.4	395.4	LOWER BENCH
43.2	CARBONDALE	LAWSON	DARK GRAY SHALE	6.1	396.8	
37.1	CARBONDALE	CONANT	LIMESTONE	0.8	402.9	
36.3	CARBONDALE	JAMESTOWN	DARK GRAY SHALE	0.5	403.7	
35.8	CARBONDALE		CALCAREOUS SHALE	0.5	404.2	
35.3	CARBONDALE	BRERETON	LIMESTONE	2.6	404.7	
32.7	CARBONDALE	ANNA	BLACK SHALE	2.7	407.3	
30.0	CARBONDALE	HERRIN	COAL	7.6	410.0	

MAPID: 02703773000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 990' S line, 1320' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.432024 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.539071 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 417.7 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 9014-C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
74.6	MODESTO	PIASA	LIMESTONE	8.2	365.4
66.4	MODESTO		UNCLASSIFIED	3.4	373.6
63.0	CARBONDALE		UNCLASSIFIED	11.4	377.0
51.6	CARBONDALE	BANKSTON FORK	LIMESTONE	8.3	388.4
43.3	CARBONDALE	ANVIL ROCK	SANDSTONE	6.1	396.7
37.2	CARBONDALE	CONANT	LIMESTONE	0.8	402.8
36.4	CARBONDALE		SHALE	1.0	403.6
35.4	CARBONDALE	BRERETON	LIMESTONE	2.7	404.6
32.7	CARBONDALE	ANNA	BLACK SHALE	2.7	407.3
30.0	CARBONDALE	HERRIN	COAL	7.7	410.0

MAPID: 02703773000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 990' S line, 1320' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.432024 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.539071 DATE COLLECTED: 8 / 27 / 1969

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 422.2 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9014-C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
36.6	SHELURN	CONANT	LIMESTONE	0.6	403.4
33.2	CARBONDALE	BRERETON	LIMESTONE	0.9	406.8
29.7	CARBONDALE	HERRIN	COAL	7.6	410.3

MAPID: 02724568000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 0' N line, 2310' W line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.433299 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.550797 DATE COLLECTED: 7 / 12 / 1976

SURFACE ELEVATION (FT.): LOGGED (FT.): 459.8 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 16378C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.8	445.0

MAPID: 02724619000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 2640' N line, 1320' E line of SE NE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.432026 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.539888 DATE COLLECTED: 12 / 16 / 1976
 SURFACE ELEVATION (FT.): LOGGED (FT.): 465.3 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16397C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELBURN	DANVILLE	COAL	2.0	417.0	
-	CARBONDALE	HERRIN	COAL	7.8	450.1	

MAPID: 02725138000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 9 QUARTERS/FOOTAGES: 660' N line, 330' E line of NW NW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.442564 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.549032 DATE COLLECTED: 2 / 5 / 1981
 SURFACE ELEVATION (FT.): 505.0 LOGGED (FT.): 2398.0 LOG TYPE: Electric Log
 SOURCE: SHAKESPEARE OIL CO. 1-D WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
93.0	CARBONDALE	SPRINGFIELD	COAL	-	412.0	
-16.0	CARBONDALE	COLCHESTER	COAL	-	521.0	
-441.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	946.0	
-1847.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2352.0	TOP OF NEW ALBANY
-1860.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2365.0	
-1893.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2398.0	BASE OF NEW ALBANY

MAPID: 02700197000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 10 QUARTERS/FOOTAGES: 165' N line, 165' E line of NW NW SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.425657 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.543117 DATE COLLECTED: 0 / 0 / 1911
 SURFACE ELEVATION (FT.): 438.9 LOGGED (FT.): 1135.0 LOG TYPE:
 SOURCE: SNOWDEN BU WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
23.9	CARBONDALE	HERRIN	COAL	9.0	415.0	

MAPID: 02724914000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 10 QUARTERS/FOOTAGES: 1320' S line, 1320' E line of NE SE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.413476 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.543749 DATE COLLECTED: 11 / 18 / 1977
 SURFACE ELEVATION (FT.): LOGGED (FT.): 384.7 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16532C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	6.8	372.4

MAPID: 02725065000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 10 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.426279 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.549878 DATE COLLECTED: 0 / 0 / 1979
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 539.0 LOG TYPE: Electric Log
 SOURCE: FREEMAN UNITED CAR-7-79 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
56.0	SHELBURN	DANVILLE	COAL	2.5	414.0
24.0	CARBONDALE	HERRIN	COAL	8.0	446.0
-55.0	CARBONDALE	HOUCHIN CREEK	COAL	2.7	525.0

MAPID: 02702482000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.407645 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.542878 DATE COLLECTED: 10 / 0 / 1951
 SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 371.0 LOG TYPE: Electric Log
 SOURCE: SCHOENDIENST PAUL WELL TYPE: Plugged and/or Abandoned
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
51.0	CARBONDALE	HERRIN	COAL	4.0	367.0

MAPID: 02702483000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.407706 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.5447 DATE COLLECTED: 8 / 0 / 1951

SURFACE ELEVATION (FT.): 419.0 LOGGED (FT.): 368.0 LOG TYPE: Electric Log

SOURCE: SCHOENDIENST PAUL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
54.0	CARBONDALE	HERRIN	COAL	3.0	365.0	

MAPID: 02702488000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 11 QUARTERS/FOOTAGES: 0' S line, 330' W line of NE SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.396315 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545734 DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 2560.0 LOG TYPE: Electric Log

SOURCE: SCHOENDIENST PAUL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
20.0	CARBONDALE	SPRINGFIELD	COAL	-	400.0	
-98.0	CARBONDALE	COLCHESTER	COAL	-	518.0	
-612.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1032.0	
-2094.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2514.0	TOP OF NEW ALBANY
-2106.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2526.0	
-2140.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2560.0	BASE OF NEW ALBANY

MAPID: 02702488000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 11 QUARTERS/FOOTAGES: 0' S line, 330' W line of NE SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.396315 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545734 DATE COLLECTED: 6 / 0 / 1952

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: SCHOENDIENST PAUL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.6	MODESTO	PIASA	LIMESTONE	3.0	340.4	
76.6	MODESTO		UNCLASSIFIED	2.0	343.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
74.6	CARBONDALE		UNCLASSIFIED	8.5	345.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	353.9	
59.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	360.9	
56.3	CARBONDALE		UNCLASSIFIED	2.8	363.7	SHALE ABOVE BRERETON LIMESTONE
53.5	CARBONDALE	BRERETON	LIMESTONE	3.5	366.5	
50.0	CARBONDALE	ANNA	BLACK SHALE	4.0	370.0	
46.0	CARBONDALE	HERRIN	COAL	6.0	374.0	

MAPID: 02701365000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 12 QUARTERS/FOOTAGES: 1650' N line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.382525 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.546805 DATE COLLECTED: 11 / 0 / 1952

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN & IMMING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.1	MODESTO	PIASA	LIMESTONE	5.0	334.9	
80.1	MODESTO		UNCLASSIFIED	6.5	339.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
73.6	CARBONDALE	DANVILLE	COAL	1.5	346.4	
72.1	CARBONDALE		UNCLASSIFIED	8.0	347.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
64.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	355.9	
55.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.8	364.9	
51.3	CARBONDALE		UNCLASSIFIED	3.8	368.7	SHALE ABOVE BRERETON LIMESTONE
47.5	CARBONDALE	BRERETON	LIMESTONE	1.5	372.5	
46.0	CARBONDALE	ANNA	BLACK SHALE	1.0	374.0	
45.0	CARBONDALE	HERRIN	COAL	5.0	375.0	

MAPID: 02701365000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 12 QUARTERS/FOOTAGES: 1650' N line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.382525

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.546805

DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0

LOGGED (FT.): 382.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
88.0	MODESTO	PIASA	LIMESTONE	6.0	332.0	
82.0	MODESTO		SHALE	6.0	338.0	
76.0	CARBONDALE	DANVILLE	COAL	2.0	344.0	
74.0	CARBONDALE		GRAY SHALE	8.0	346.0	
66.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	354.0	
58.0	CARBONDALE	LAWSON	GRAY SHALE	9.0	362.0	
49.0	CARBONDALE	BRERETON	LIMESTONE	2.0	371.0	
47.0	CARBONDALE	ANNA	BLACK SHALE	1.0	373.0	
46.0	CARBONDALE	HERRIN	COAL	8.0	374.0	

MAPID: 02702489000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 12 QUARTERS/FOOTAGES: 660' S line, 330' W line of NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.389545

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54946

DATE COLLECTED: 10 / 0 / 1951

SURFACE ELEVATION (FT.): 431.0

LOGGED (FT.): 386.5

LOG TYPE: Electric Log

SOURCE: SCHOENDIENST PAUL

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.5	MODESTO	PIASA	LIMESTONE	4.0	345.5	
81.5	MODESTO		UNCLASSIFIED	4.0	349.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.5	CARBONDALE	DANVILLE	COAL	1.0	353.5	
76.5	CARBONDALE		UNCLASSIFIED	7.5	354.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
69.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	362.0	
60.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	370.5	
56.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	374.5	
55.5	CARBONDALE		UNCLASSIFIED	1.0	375.5	SHALE ABOVE BRERETON LIMESTONE
54.5	CARBONDALE	BRERETON	LIMESTONE	2.5	376.5	
52.0	CARBONDALE	ANNA	BLACK SHALE	2.0	379.0	
50.0	CARBONDALE	HERRIN	COAL	5.5	381.0	

MAPID: 0270249000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.382597 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.550447 DATE COLLECTED: 1 / 0 / 1954

SURFACE ELEVATION (FT.): 427.0 LOGGED (FT.): 375.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
94.5	MODESTO	PIASA	LIMESTONE	4.0	332.5	
90.5	MODESTO		UNCLASSIFIED	4.5	336.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
86.0	CARBONDALE		UNCLASSIFIED	10.0	341.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
76.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	351.0	
68.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	359.0	
65.0	CARBONDALE		UNCLASSIFIED	3.0	362.0	SHALE ABOVE BRERETON LIMESTONE
62.0	CARBONDALE	ANNA	BLACK SHALE	3.0	365.0	
59.0	CARBONDALE	HERRIN	COAL	7.0	368.0	

MAPID: 02726029000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 310' W line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.38482 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.543125 DATE COLLECTED:

SURFACE ELEVATION (FT.): 419.0 LOGGED (FT.): 2585.0 LOG TYPE: Electric Log

SOURCE: DAL-LONG OIL COMPANY WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
10.0	CARBONDALE	SPRINGFIELD	COAL	-	409.0	
-110.0	CARBONDALE	COLCHESTER	COAL	-	529.0	
-615.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1034.0	
-2115.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2534.0	TOP OF NEW ALBANY
-2125.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2544.0	
-2166.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2585.0	BASE OF NEW ALBANY

MAPID: 02703704000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 13 QUARTERS/FOOTAGES: 1980' S line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.388912 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.527646 DATE COLLECTED:

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 413.3 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8722C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.6	MODESTO	PIASA	LIMESTONE	5.2	366.4	
46.4	MODESTO		GRAY SHALE	5.0	371.6	
41.4	CARBONDALE	DANVILLE	COAL	0.8	376.6	
40.6	CARBONDALE		GRAY SHALE	9.8	377.4	
30.8	CARBONDALE	BANKSTON FORK	LIMESTONE	4.2	387.2	SHALE PARTING
26.6	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.0	391.4	LOWER BENCH
25.6	CARBONDALE	LAWSON	GRAY SHALE	3.1	392.4	
22.6	CARBONDALE	CONANT	LIMESTONE	1.1	395.4	
21.5	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	3.4	396.5	
18.1	CARBONDALE		CALCAREOUS SHALE	0.8	399.9	
17.3	CARBONDALE	BRERETON	LIMESTONE	5.2	400.7	
12.1	CARBONDALE	ANNA	BLACK SHALE	1.1	405.9	
11.0	CARBONDALE	HERRIN	COAL	6.3	407.0	

MAPID: 02703704000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 13 QUARTERS/FOOTAGES: 1980' S line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.388912 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.527646 DATE COLLECTED:

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 413.3 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8722C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.8	MODESTO	PIASA	LIMESTONE	5.2	364.2	
48.6	MODESTO		UNCLASSIFIED	2.0	369.4	
46.6	CARBONDALE		UNCLASSIFIED	13.6	371.4	
33.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	385.0	
26.0	CARBONDALE	ANVIL ROCK	SANDSTONE	5.4	392.0	
20.6	CARBONDALE	CONANT	LIMESTONE	1.7	397.4	
18.9	CARBONDALE	JAMESTOWN	COAL	0.1	399.1	
18.8	CARBONDALE		SHALE	2.0	399.2	
16.8	CARBONDALE	BRERETON	LIMESTONE	4.6	401.2	
12.2	CARBONDALE	ANNA	BLACK SHALE	1.2	405.8	
11.0	CARBONDALE	HERRIN	COAL	6.3	407.0	

MAPID: 02703704000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 13 **QUARTERS/FOOTAGES:** 1980' S line, 330' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.388912 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.527646 **DATE COLLECTED:** 5 / 1 / 1969
SURFACE ELEVATION (FT.): 418.0 **LOGGED (FT.):** 416.6 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8722C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
18.3	CARBONDALE	JAMESTOWN	COAL	0.1	399.7	
10.5	CARBONDALE	HERRIN	COAL	6.3	407.5	REMOVED BY CO.

MAPID: 02724915000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 14 **QUARTERS/FOOTAGES:** 1320' N line, 0' W line of NW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.408544 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.532895 **DATE COLLECTED:** 10 / 5 / 1977
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 385.6 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16618C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.9	371.5	

MAPID: 02702234000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 15 **QUARTERS/FOOTAGES:** NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.415621 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.534632 **DATE COLLECTED:** 1 / 25 / 1973
SURFACE ELEVATION (FT.): 418.0 **LOGGED (FT.):** 382.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 12799C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
198.3			COAL	1.6	219.7	
71.0	SHELBURN	DANVILLE	COAL	0.7	347.0	
44.9	CARBONDALE	HERRIN	COAL	7.9	373.1	

MAPID: 02703182000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 15 QUARTERS/FOOTAGES: 990' N line, 330' E line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.419082 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.526344 DATE COLLECTED:

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 1010.0 LOG TYPE: Electric Log

SOURCE: RUTHERFORD, HOMER WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
18.0	CARBONDALE	SPRINGFIELD	COAL	-	400.0	
-92.0	CARBONDALE	COLCHESTER	COAL	-	510.0	
-592.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1010.0	

MAPID: 02703182000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 15 QUARTERS/FOOTAGES: 990' N line, 330' E line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.419082 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.526344 DATE COLLECTED: 11 / 0 / 1964

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 379.5 LOG TYPE: Electric Log

SOURCE: RUTHERFORD, HOMER WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
89.0	MODESTO	PIASA	LIMESTONE	6.0	329.0	
83.0	MODESTO		UNCLASSIFIED	4.0	335.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
79.0	CARBONDALE		UNCLASSIFIED	13.0	339.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	352.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	361.0	
51.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	367.0	
48.0	CARBONDALE		UNCLASSIFIED	1.0	370.0	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	1.5	371.0	
45.5	CARBONDALE	ANNA	BLACK SHALE	1.5	372.5	
44.0	CARBONDALE	HERRIN	COAL	5.5	374.0	

MAPID: 02703774000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 15 QUARTERS/FOOTAGES: 660' S line, 0' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.427393

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.523384

DATE COLLECTED:

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 376.2

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9017C

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.3	MODESTO	PIASA	LIMESTONE	5.8	325.7	
86.5	MODESTO		GRAY SHALE	6.3	331.5	
80.2	CARBONDALE	DANVILLE	COAL	1.3	337.8	
78.9	CARBONDALE		GRAY SHALE	8.7	339.1	
70.2	CARBONDALE	BANKSTON FORK	LIMESTONE	4.6	347.8	UPPER BENCH
65.6	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.3	352.4	SHALE PARTING
64.3	CARBONDALE	BANKSTON FORK	LIMESTONE	1.6	353.7	LOWER BENCH
62.7	CARBONDALE	LAWSON	DARK GRAY SHALE	4.5	355.3	
58.2	CARBONDALE	CONANT	LIMESTONE	0.8	359.8	
57.4	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	3.8	360.6	
53.6	CARBONDALE		CALCAREOUS SHALE	2.1	364.4	
51.5	CARBONDALE	BRERETON	LIMESTONE	1.4	366.5	
50.1	CARBONDALE	ANNA	BLACK SHALE	1.1	367.9	
49.0	CARBONDALE	HERRIN	COAL	7.2	369.0	

MAPID: 02703774000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 15 QUARTERS/FOOTAGES: 660' S line, 0' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.427393

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.523384

DATE COLLECTED:

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 376.2

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 9017C

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.2	MODESTO	PIASA	LIMESTONE	5.8	325.8	
86.4	MODESTO		UNCLASSIFIED	2.3	331.6	
84.1	CARBONDALE		UNCLASSIFIED	14.0	333.9	
70.1	CARBONDALE	BANKSTON FORK	LIMESTONE	7.5	347.9	
62.6	CARBONDALE	ANVIL ROCK	SANDSTONE	6.1	355.4	
56.5	CARBONDALE	CONANT	LIMESTONE	2.9	361.5	
53.6	CARBONDALE		SHALE	2.1	364.4	
51.5	CARBONDALE	BRERETON	LIMESTONE	1.4	366.5	
50.1	CARBONDALE	ANNA	BLACK SHALE	1.1	367.9	
49.0	CARBONDALE	HERRIN	COAL	7.2	369.0	

MAPID: 02703774000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 15 QUARTERS/FOOTAGES: 660' S line, 0' W line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.427393 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.523384 DATE COLLECTED: 9 / 12 / 1969
 SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 378.5 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 9017C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	SHELburn	CONANT	LIMESTONE	0.4	361.0	
53.5	CARBONDALE	BRERETON	LIMESTONE	2.1	364.5	
49.2	CARBONDALE	HERRIN	COAL	7.2	368.8	REMOVED BY CO.

MAPID: 02724623000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 15 QUARTERS/FOOTAGES: 1320' S line, 2640' W line of NW SE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.408661 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.529224 DATE COLLECTED: 9 / 14 / 1976
 SURFACE ELEVATION (FT.): LOGGED (FT.): 379.7 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16386C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELburn	DANVILLE	COAL	2.1	340.3	
-	CARBONDALE	HERRIN	COAL	7.1	369.3	

MAPID: 02701364000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 16 QUARTERS/FOOTAGES: 990' S line, 660' W line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.443526 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.524401 DATE COLLECTED: 1 / 0 / 1952
 SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 351.0 LOG TYPE: Electric Log
 SOURCE: JOHNSTON DRLG CO WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.6	MODESTO	PIASA	LIMESTONE	6.5	295.4	
112.1	MODESTO		UNCLASSIFIED	3.0	301.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
109.1	CARBONDALE		UNCLASSIFIED	14.0	304.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	318.9	
85.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	328.9	
81.8	CARBONDALE		UNCLASSIFIED	3.3	332.2	SHALE ABOVE BRERETON LIMESTONE
78.5	CARBONDALE	BRERETON	LIMESTONE	4.5	335.5	
74.0	CARBONDALE	ANNA	BLACK SHALE	3.0	340.0	
71.0	CARBONDALE	HERRIN	COAL	8.0	343.0	

MAPID: 02701364000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 16 QUARTERS/FOOTAGES: 990' S line, 660' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.443526 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.524401 DATE COLLECTED:

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 353.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.0	MODESTO	PIASA	LIMESTONE	7.0	296.0	
114.0	MODESTO		SHALE	8.0	303.0	
106.0	CARBONDALE	DANVILLE	COAL	2.0	311.0	
104.0	CARBONDALE		GRAY SHALE	8.0	313.0	
96.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	321.0	
87.0	CARBONDALE	LAWSON	GRAY SHALE	8.0	330.0	
79.0	CARBONDALE	BRERETON	LIMESTONE	4.0	338.0	
75.0	CARBONDALE	ANNA	BLACK SHALE	3.0	342.0	
72.0	CARBONDALE	HERRIN	COAL	8.0	345.0	

MAPID: 02701912000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 16 QUARTERS/FOOTAGES: 990' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.428535 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.533608 DATE COLLECTED: 4 / 0 / 1962

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 383.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
81.0	MODESTO	PIASA	LIMESTONE	6.0	333.0	
75.0	MODESTO		UNCLASSIFIED	3.0	339.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
72.0	CARBONDALE		UNCLASSIFIED	14.0	342.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
58.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	356.0	
49.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	365.0	
45.5	CARBONDALE		UNCLASSIFIED	3.5	368.5	SHALE ABOVE BRERETON LIMESTONE
42.0	CARBONDALE	BRERETON	LIMESTONE	2.0	372.0	
40.0	CARBONDALE	ANNA	BLACK SHALE	3.0	374.0	
37.0	CARBONDALE	HERRIN	COAL	6.0	377.0	

MAPID: 02702494000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 445' E line of SE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.438196 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.531747 **DATE COLLECTED:** 7 / 0 / 1949
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 390.0 **LOG TYPE:** Electric Log
SOURCE: ASH DRILLING **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	5.0	385.0	

MAPID: 02720000000C **VERSION:** 1 **PROJECT:** NCRDS99
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 16 **QUARTERS/FOOTAGES:** 2640' N line, 1' E line of NE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.427398 **GEOLOGIST:** E PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 38.521664 **DATE COLLECTED:** 5 / 4 / 1976
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 371.8 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 16371C **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNKNOWN	364.6	0.0	
-	CARBONDALE	HERRIN	COAL	7.2	364.6	

MAPID: 02700219000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 17 **QUARTERS/FOOTAGES:** SW NW SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.46328 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.526333 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 445.7 **LOGGED (FT.):** 1035.0 **LOG TYPE:**
SOURCE: SNOWDEN BU **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
32.7	CARBONDALE	HERRIN	COAL	6.0	413.0	

MAPID: 02701363000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 17 QUARTERS/FOOTAGES: 440' N line, 330' E line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.447024 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.527795 DATE COLLECTED: 10 / 0 / 1940

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: WELLINGHOFF J L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	LIMESTONE	9.0	347.0	
101.0	MODESTO		UNCLASSIFIED	3.0	356.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.0	CARBONDALE		UNCLASSIFIED	12.0	359.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	371.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	381.0	
72.5	CARBONDALE		UNCLASSIFIED	3.5	384.5	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	3.0	388.0	
66.0	CARBONDALE	ANNA	BLACK SHALE	3.0	391.0	
63.0	CARBONDALE	HERRIN	COAL	6.0	394.0	

MAPID: 02701572000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.453979 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.522625 DATE COLLECTED: 7 / 0 / 1957

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 341.0 LOG TYPE: Electric Log

SOURCE: WOOD, CHARLES WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.5	MODESTO	PIASA	LIMESTONE	6.0	290.5	
117.5	MODESTO		UNCLASSIFIED	3.0	296.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.5	CARBONDALE		UNCLASSIFIED	13.0	299.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	312.5	
92.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	321.5	
89.5	CARBONDALE		UNCLASSIFIED	3.0	324.5	SHALE ABOVE BRERETON LIMESTONE
86.5	CARBONDALE	BRERETON	LIMESTONE	4.5	327.5	
82.0	CARBONDALE	ANNA	BLACK SHALE	2.0	332.0	
80.0	CARBONDALE	HERRIN	COAL	7.0	334.0	

MAPID: 02701572000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.453979 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.522625 DATE COLLECTED:

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 342.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
125.0	MODESTO	PIASA	LIMESTONE	8.0	289.0
117.0	MODESTO		SHALE	7.0	297.0
110.0	CARBONDALE	DANVILLE	COAL	2.0	304.0
108.0	CARBONDALE		GRAY SHALE	7.0	306.0
101.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	313.0
92.0	CARBONDALE	LAWSON	GRAY SHALE	7.0	322.0
85.0	CARBONDALE	BRERETON	LIMESTONE	3.5	329.0
81.5	CARBONDALE	ANNA	BLACK SHALE	2.5	332.5
79.0	CARBONDALE	HERRIN	COAL	7.0	335.0

MAPID: 02701572000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.453979 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.522625 DATE COLLECTED: 7 / 0 / 1957

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 650.0 LOG TYPE: Electric Log

SOURCE: WOOD, CHARLES WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
124.0	MODESTO	PIASA	UNCLASSIFIED	-	290.0
80.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	334.0
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	
8.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	406.0
-51.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	465.0
-236.0	BASE OF PENN.		UNCLASSIFIED	-	650.0

MAPID: 02701572000C **VERSION:** 4 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' S line, 2310' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.453979 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.522625 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 414.0 **LOGGED (FT.):** 2463.0 **LOG TYPE:** Electric Log
SOURCE: WOOD, CHARLES **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	SPRINGFIELD	COAL	-	363.0	
-49.0	CARBONDALE	COLCHESTER	COAL	-	463.0	
-494.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	908.0	
-2008.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2422.0	TOP OF NEW ALBANY
-2020.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2434.0	
-2049.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2463.0	BASE OF NEW ALBANY

MAPID: 02702495000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.463297 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.533666 **DATE COLLECTED:** 2 / 0 / 1955
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 388.0 **LOG TYPE:** Electric Log
SOURCE: JASKE JOHN W **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	CARBONDALE	HERRIN	COAL	7.0	381.0	

MAPID: 02724567000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 17 **QUARTERS/FOOTAGES:** 0' N line, 2310' W line of NE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.4517 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.536359 **DATE COLLECTED:** 9 / 1 / 1976
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 411.2 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16384C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELBURN	DANVILLE	COAL	1.8	365.4	
-	CARBONDALE	HERRIN	COAL	8.4	399.9	

MAPID: 02701361000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.478275 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.528297 DATE COLLECTED: 4 / 0 / 1947

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 361.0 LOG TYPE: Electric Log

SOURCE: MOSEBACK PAUL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.5	MODESTO	PIASA	LIMESTONE	9.0	312.5	
113.5	MODESTO		UNCLASSIFIED	3.0	321.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.5	CARBONDALE	DANVILLE	COAL	1.0	324.5	
109.5	CARBONDALE		UNCLASSIFIED	10.0	325.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	335.5	
92.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	342.5	
89.5	CARBONDALE		UNCLASSIFIED	3.0	345.5	SHALE ABOVE BRERETON LIMESTONE
86.5	CARBONDALE	BRERETON	LIMESTONE	4.0	348.5	
82.5	CARBONDALE	ANNA	BLACK SHALE	2.5	352.5	
80.0	CARBONDALE	HERRIN	COAL	6.0	355.0	

MAPID: 02701362000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 18 QUARTERS/FOOTAGES: SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.475658 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.525536 DATE COLLECTED: 10 / 0 / 1945

SURFACE ELEVATION (FT.): 437.0 LOGGED (FT.): 358.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.0	MODESTO	PIASA	LIMESTONE	6.0	309.0	
122.0	MODESTO		UNCLASSIFIED	5.5	315.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.5	CARBONDALE	DANVILLE	COAL	1.5	320.5	
115.0	CARBONDALE		UNCLASSIFIED	12.0	322.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	334.0	
95.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	342.0	
92.5	CARBONDALE		UNCLASSIFIED	2.5	344.5	SHALE ABOVE BRERETON LIMESTONE
90.0	CARBONDALE	BRERETON	LIMESTONE	3.0	347.0	
87.0	CARBONDALE	ANNA	BLACK SHALE	3.0	350.0	
84.0	CARBONDALE	HERRIN	COAL	5.0	353.0	

MAPID: 02701861000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 18 QUARTERS/FOOTAGES: 330' S line, 990' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.467917 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.522707 DATE COLLECTED: 6 / 0 / 1961

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 333.5 LOG TYPE: Electric Log

SOURCE: FIVE STAR PETRO CORP WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.0	MODESTO	PIASA	LIMESTONE	8.0	284.0	
128.0	MODESTO		UNCLASSIFIED	6.0	292.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.0	CARBONDALE		UNCLASSIFIED	10.0	298.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	308.0	
103.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	317.0	
100.5	CARBONDALE		UNCLASSIFIED	2.5	319.5	SHALE ABOVE BRERETON LIMESTONE
98.0	CARBONDALE	BRERETON	LIMESTONE	4.0	322.0	
94.0	CARBONDALE	ANNA	BLACK SHALE	2.0	326.0	
92.0	CARBONDALE	HERRIN	COAL	5.5	328.0	

MAPID: 02701861000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 18 QUARTERS/FOOTAGES: 330' S line, 990' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.467917 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.522707 DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 334.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.0	MODESTO	PIASA	LIMESTONE	9.0	281.0	
130.0	MODESTO		SHALE	6.0	290.0	
124.0	CARBONDALE	DANVILLE	BONE COAL	1.0	296.0	
123.0	CARBONDALE		SHALE	9.0	297.0	
114.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	306.0	UPPER BENCH
109.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.0	311.0	SHALE PARTING
107.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	313.0	LOWER BENCH
105.0	CARBONDALE	LAWSON	SHALE	6.0	315.0	
99.0	CARBONDALE	BRERETON	LIMESTONE	5.0	321.0	
94.0	CARBONDALE	ANNA	BLACK SHALE	2.0	326.0	
92.0	CARBONDALE	HERRIN	COAL	6.5	328.0	

MAPID: 02702501000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.46792 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.524545 DATE COLLECTED: 10 / 0 / 1947

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 330.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
141.0	MODESTO	PIASA	LIMESTONE	8.0	280.0	
133.0	MODESTO		UNCLASSIFIED	3.0	288.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
130.0	CARBONDALE		UNCLASSIFIED	12.0	291.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
118.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	303.0	
109.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	312.0	
106.5	CARBONDALE		UNCLASSIFIED	2.5	314.5	SHALE ABOVE BRERETON LIMESTONE
104.0	CARBONDALE	BRERETON	LIMESTONE	5.0	317.0	
99.0	CARBONDALE	ANNA	BLACK SHALE	3.0	322.0	
96.0	CARBONDALE	HERRIN	COAL	5.0	325.0	

MAPID: 02701360000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.46543 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.513642 DATE COLLECTED: 12 / 0 / 1946

SURFACE ELEVATION (FT.): LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	UNCLASSIFIED	-	280.0	
-	CARBONDALE	HERRIN	UNCLASSIFIED	-	325.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO COAL HORIZON IDENTIFIABLE
-	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	400.0	
-	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	450.0	

MAPID: 0270136000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.46543 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.513642 DATE COLLECTED: 12 / 0 / 1946

SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	8.0		
-	MODESTO		UNCLASSIFIED	3.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	1.0		
-	CARBONDALE		UNCLASSIFIED	10.5		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5		
-	CARBONDALE		UNCLASSIFIED	3.5		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	3.0		
-	CARBONDALE	ANNA	BLACK SHALE	2.0		
-	CARBONDALE	HERRIN	COAL	5.0		ELEVATION OF HERRIN = 97

MAPID: 02701885000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 1650' N line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.47014 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517291 DATE COLLECTED: 11 / 0 / 1961

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 330.0 LOG TYPE: Electric Log

SOURCE: HOLLENKAMP, R. E. SR. WELL TYPE: Unsuccessful or Unknown Results

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.0	MODESTO	PIASA	LIMESTONE	4.0	282.0	
129.0	MODESTO		UNCLASSIFIED	6.0	286.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.0	CARBONDALE		UNCLASSIFIED	13.0	292.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
110.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	305.0	
101.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	314.0	
98.5	CARBONDALE		UNCLASSIFIED	2.5	316.5	SHALE ABOVE BRERETON LIMESTONE
96.0	CARBONDALE	BRERETON	LIMESTONE	4.0	319.0	
92.0	CARBONDALE	ANNA	BLACK SHALE	2.0	323.0	
90.0	CARBONDALE	HERRIN	COAL	5.0	325.0	

MAPID: 02701885000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 1650' N line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.47014 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.517291 DATE COLLECTED:

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 332.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.0	MODESTO	PIASA	LIMESTONE	3.0	284.0	
130.0	MODESTO		SHALE	7.0	287.0	
123.0	CARBONDALE	DANVILLE	BONE COAL	1.0	294.0	
122.0	CARBONDALE		SHALE	11.0	295.0	
111.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	306.0	UPPER BENCH
105.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.0	312.0	SHALE PARTING
103.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	314.0	LOWER BENCH
102.0	CARBONDALE	LAWSON	SHALE	5.0	315.0	
97.0	CARBONDALE	BRERETON	LIMESTONE	4.0	320.0	
93.0	CARBONDALE	ANNA	BLACK SHALE	2.0	324.0	
91.0	CARBONDALE	HERRIN	COAL	6.0	326.0	

MAPID: 02701885000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 1650' N line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.47014 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517291 DATE COLLECTED:

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 2439.0 LOG TYPE: Electric Log

SOURCE: HOLLENKAMP, R. E. SR. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
81.0	CARBONDALE	SPRINGFIELD	COAL	-	336.0	
-39.0	CARBONDALE	COLCHESTER	COAL	-	456.0	
-486.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	903.0	
-1986.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2403.0	TOP OF NEW ALBANY
-1995.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2412.0	
-2022.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2439.0	BASE OF NEW ALBANY

MAPID: 02702006000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 430' E line of SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.47513 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517311 DATE COLLECTED: 8 / 0 / 1963

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 339.0 LOG TYPE: Electric Log

SOURCE: SHAKESPEARE OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
125.1	MODESTO	PIASA	LIMESTONE	8.0	292.9	
117.1	MODESTO		UNCLASSIFIED	3.0	300.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.1	CARBONDALE		UNCLASSIFIED	10.0	303.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
104.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	313.9	
95.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	322.4	
93.3	CARBONDALE		UNCLASSIFIED	2.3	324.7	SHALE ABOVE BRERETON LIMESTONE
91.0	CARBONDALE	BRERETON	LIMESTONE	5.0	327.0	
86.0	CARBONDALE	ANNA	BLACK SHALE	2.0	332.0	
84.0	CARBONDALE	HERRIN	COAL	5.0	334.0	

MAPID: 02702502000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.467859 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519085 DATE COLLECTED: 1 / 0 / 1947

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 338.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	CARBONDALE	HERRIN	COAL	5.0	333.0	

MAPID: 02702503000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.472532 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.520938 DATE COLLECTED: 10 / 0 / 1946

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 330.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	CARBONDALE	HERRIN	COAL	4.0	326.0	

MAPID: 02702504000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.470178 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519102 DATE COLLECTED: 12 / 0 / 1946

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 324.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	CARBONDALE	HERRIN	COAL	6.0	318.0	

MAPID: 02702505000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.474779 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517308 DATE COLLECTED: 11 / 0 / 1946

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 334.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
89.0	CARBONDALE	HERRIN	COAL	5.0	329.0	

MAPID: 02702506000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.472497 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519116 DATE COLLECTED: 10 / 0 / 1951

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 330.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
88.0	CARBONDALE	HERRIN	COAL	4.0	326.0	

MAPID: 02702507000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 19 QUARTERS/FOOTAGES: SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.475438 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.510898 DATE COLLECTED: 11 / 0 / 1943

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 345.0 LOG TYPE: Electric Log

SOURCE: DARNELL, JACK ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
117.1	MODESTO	PIASA	LIMESTONE	4.0	296.9	
113.1	MODESTO		UNCLASSIFIED	3.5	300.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
109.6	CARBONDALE		UNCLASSIFIED	16.5	304.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
93.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	320.9	
84.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	329.9	
81.8	CARBONDALE		UNCLASSIFIED	2.3	332.2	SHALE ABOVE BRERETON LIMESTONE
79.5	CARBONDALE	BRERETON	LIMESTONE	3.0	334.5	
76.5	CARBONDALE	ANNA	BLACK SHALE	1.5	337.5	
75.0	CARBONDALE	HERRIN	COAL	6.0	339.0	

MAPID: 02700555000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 20 QUARTERS/FOOTAGES: 1120' N line, 200' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.446497 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.518591 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 415.8 LOGGED (FT.): 1267.0 LOG TYPE:

SOURCE: SCHIERMAN WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
81.8	CARBONDALE	HERRIN	COAL	10.0	334.0	

MAPID: 02700555000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 20 QUARTERS/FOOTAGES: 1120' N line, 200' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.446497 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.518591 DATE COLLECTED: 7 / 0 / 1940

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 343.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN&STEINMANN WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.6	MODESTO	PIASA	LIMESTONE	7.5	292.4	
116.1	MODESTO		UNCLASSIFIED	4.0	299.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.1	CARBONDALE		UNCLASSIFIED	11.5	303.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	11.0	315.4	
89.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	326.4	
86.8	CARBONDALE		UNCLASSIFIED	2.8	329.2	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	3.0	332.0	
81.0	CARBONDALE	ANNA	BLACK SHALE	2.0	335.0	
79.0	CARBONDALE	HERRIN	COAL	6.0	337.0	

MAPID: 02701312000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 20 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.456078 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.509976 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 320.5 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
146.0	MODESTO	PIASA	LIMESTONE	6.5	272.0	
139.5	MODESTO		UNCLASSIFIED	3.5	278.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
136.0	CARBONDALE		UNCLASSIFIED	12.0	282.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
124.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	294.0	
115.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	303.0	
111.0	CARBONDALE		UNCLASSIFIED	2.0	307.0	SHALE ABOVE BRERETON LIMESTONE
109.0	CARBONDALE	BRERETON	LIMESTONE	4.0	309.0	
105.0	CARBONDALE	ANNA	BLACK SHALE	2.0	313.0	
103.0	CARBONDALE	HERRIN	COAL	5.5	315.0	

MAPID: 02701312000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 20 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.456078 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.509976 DATE COLLECTED:

SURFACE ELEVATION (FT.): 418.0 LOGGED (FT.): 320.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
148.0	MODESTO	PIASA	LIMESTONE	10.0	270.0	
138.0	CARBONDALE		SHALE	12.5	280.0	
125.5	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	292.5	UPPER BENCH
118.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.0	299.5	SHALE PARTING
117.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	300.5	LOWER BENCH
115.5	CARBONDALE	LAWSON	SHALE	7.0	302.5	
108.5	CARBONDALE	BRERETON	LIMESTONE	3.0	309.5	
105.5	CARBONDALE	ANNA	BLACK SHALE	1.5	312.5	
104.0	CARBONDALE	HERRIN	COAL	6.0	314.0	

MAPID: 02701359000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 20 QUARTERS/FOOTAGES: 667' S line, 666' E line of SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.452743 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.516294 DATE COLLECTED: 8 / 0 / 1943

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 327.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
137.0	MODESTO	PIASA	LIMESTONE	7.0	280.0	
130.0	MODESTO		UNCLASSIFIED	2.5	287.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
127.5	CARBONDALE		UNCLASSIFIED	10.5	289.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
117.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	300.0	
107.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	310.0	
103.0	CARBONDALE		UNCLASSIFIED	4.0	314.0	SHALE ABOVE BRERETON LIMESTONE
99.0	CARBONDALE	BRERETON	LIMESTONE	3.5	318.0	
95.5	CARBONDALE	ANNA	BLACK SHALE	1.5	321.5	
94.0	CARBONDALE	HERRIN	COAL	4.0	323.0	

MAPID: 02702493000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 20 QUARTERS/FOOTAGES: 668' S line, 663' E line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.448094 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.516256 DATE COLLECTED: 2 / 0 / 1943

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 350.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	7.0	299.0	
111.0	MODESTO		UNCLASSIFIED	3.0	306.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
108.0	CARBONDALE		UNCLASSIFIED	12.0	309.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	321.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	331.0	
81.5	CARBONDALE		UNCLASSIFIED	2.5	335.5	SHALE ABOVE BRERETON LIMESTONE
79.0	CARBONDALE	BRERETON	LIMESTONE	4.0	338.0	
75.0	CARBONDALE	ANNA	BLACK SHALE	2.0	342.0	
73.0	CARBONDALE	HERRIN	COAL	6.0	344.0	

MAPID: 02702509000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.458575 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519026 DATE COLLECTED: 7 / 0 / 1943

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 339.0 LOG TYPE: Electric Log

SOURCE: BENOIST, L. L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	CARBONDALE	HERRIN	COAL	7.0	332.0	

MAPID: 02701358000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 21 QUARTERS/FOOTAGES: 660' N line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.444651 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519854 DATE COLLECTED:

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 2479.0 LOG TYPE: Electric Log

SOURCE: FOWLEY ANNA MYRLE WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	CARBONDALE	SPRINGFIELD	COAL	-	345.0	
-48.0	CARBONDALE	COLCHESTER	COAL	-	464.0	
-517.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	933.0	
-2020.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2436.0	TOP OF NEW ALBANY
-2031.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2447.0	
-2063.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2479.0	BASE OF NEW ALBANY

MAPID: 02701358000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 21 QUARTERS/FOOTAGES: 660' N line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.444651 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.519854 DATE COLLECTED: 9 / 0 / 1951

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 342.0 LOG TYPE: Electric Log

SOURCE: FOWLEY ANNA MYRLE WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	MODESTO	PIASA	LIMESTONE	7.0	294.0	
115.0	MODESTO		UNCLASSIFIED	2.0	301.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
113.0	CARBONDALE		UNCLASSIFIED	12.5	303.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	315.5	
92.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	324.0	
88.0	CARBONDALE		UNCLASSIFIED	2.0	328.0	SHALE ABOVE BRERETON LIMESTONE
86.0	CARBONDALE	BRERETON	LIMESTONE	4.0	330.0	
82.0	CARBONDALE	ANNA	BLACK SHALE	2.0	334.0	
80.0	CARBONDALE	HERRIN	COAL	6.0	336.0	

MAPID: 02702035000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 21 QUARTERS/FOOTAGES: 630' S line, 330' W line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.444601 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.516127 DATE COLLECTED: 12 / 0 / 1963

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 341.0 LOG TYPE: Electric Log

SOURCE: OELZE, ELMER JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	CARBONDALE	HERRIN	COAL	6.0	335.0	

MAPID: 02702510000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.430576 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.513414 DATE COLLECTED: 5 / 0 / 1945

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 460.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	MODESTO	PIASA	UNCLASSIFIED	-	290.0	
77.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	335.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO COAL HORIZON IDENTIFIABLE
-3.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	415.0	
-48.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	460.0	

MAPID: 02702510000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.430576 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.513414 DATE COLLECTED: 5 / 0 / 1945

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 337.5 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	MODESTO	PIASA	LIMESTONE	8.0	290.0	
114.0	MODESTO		UNCLASSIFIED	2.0	298.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.0	CARBONDALE		UNCLASSIFIED	11.0	300.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	311.0	
92.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	320.0	
89.0	CARBONDALE		UNCLASSIFIED	2.5	323.0	SHALE ABOVE BRERETON LIMESTONE
86.5	CARBONDALE	BRERETON	LIMESTONE	3.0	325.5	
83.5	CARBONDALE	ANNA	BLACK SHALE	1.5	328.5	
82.0	CARBONDALE	HERRIN	COAL	7.5	330.0	

MAPID: 02703739000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 0' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.445824

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.520771

DATE COLLECTED:

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 344.6

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8731C

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.8	MODESTO	PIASA	LIMESTONE	6.9	292.2	
114.9	CARBONDALE		GRAY SHALE	17.1	299.1	
97.8	CARBONDALE	BANKSTON FORK	LIMESTONE	3.8	316.2	UPPER BENCH
94.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.3	320.0	SHALE PARTING
91.7	CARBONDALE	BANKSTON FORK	LIMESTONE	1.2	322.3	LOWER BENCH
90.5	CARBONDALE	LAWSON	DARK GRAY SHALE	6.5	323.5	
84.1	CARBONDALE	CONANT	LIMESTONE	1.3	329.9	
82.8	CARBONDALE		CALCAREOUS SHALE	1.2	331.2	
81.6	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.4	332.4	
78.2	CARBONDALE	ANNA	BLACK SHALE	1.3	335.8	
77.0	CARBONDALE	HERRIN	COAL	7.6	337.0	

MAPID: 02703739000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 0' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.445824

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.520771

DATE COLLECTED:

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 344.6

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8731C

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.9	MODESTO	PIASA	LIMESTONE	6.9	292.1	
115.0	MODESTO		UNCLASSIFIED	6.6	299.0	
108.4	CARBONDALE		UNCLASSIFIED	10.5	305.6	
97.9	CARBONDALE	BANKSTON FORK	LIMESTONE	7.3	316.1	
90.6	CARBONDALE	ANVIL ROCK	SANDSTONE	6.4	323.4	
84.2	CARBONDALE	CONANT	LIMESTONE	1.3	329.8	
82.9	CARBONDALE		SHALE	1.2	331.1	
81.7	CARBONDALE	BRERETON	LIMESTONE	3.3	332.3	
78.4	CARBONDALE	ANNA	BLACK SHALE	1.4	335.6	
77.0	CARBONDALE	HERRIN	COAL	7.6	337.0	

MAPID: 02703739000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' N line, 0' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.445824 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.520771 **DATE COLLECTED:** 7 / 15 / 1969
SURFACE ELEVATION (FT.): 414.0 **LOGGED (FT.):** 347.8 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8731C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.5	CARBONDALE	HERRIN	COAL	7.6	336.5	REMOVED BY CO.

MAPID: 02726526000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 21 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.43279 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 38.509796 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 330.4 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-396 **WELL TYPE:** Coal Test
COMMENT: LOCATION, DATA FROM HOYLETON E & W MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.4	323.0	

MAPID: 02702511000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 22 **QUARTERS/FOOTAGES:** 1070' N line, 910' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.424084 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.518672 **DATE COLLECTED:** 2 / 0 / 1941
SURFACE ELEVATION (FT.): 415.0 **LOGGED (FT.):** 358.0 **LOG TYPE:** Electric Log
SOURCE: NIEHOFF, A. O., ETAL **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	6.0	352.0	

MAPID: 02703183000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 22 QUARTERS/FOOTAGES: 330' S line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.414078 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.508061 DATE COLLECTED: 11 / 0 / 1964

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 346.5 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.5	MODESTO	PIASA	LIMESTONE	6.0	298.5	
115.5	MODESTO		UNCLASSIFIED	3.5	304.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.0	CARBONDALE		UNCLASSIFIED	11.5	308.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	319.5	
92.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	327.5	
88.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	332.0	
86.0	CARBONDALE		UNCLASSIFIED	2.0	334.0	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	2.0	336.0	
82.0	CARBONDALE	ANNA	BLACK SHALE	2.0	338.0	
80.0	CARBONDALE	HERRIN	COAL	6.5	340.0	

MAPID: 02703183000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 22 QUARTERS/FOOTAGES: 330' S line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.414078 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.508061 DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 346.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	LIMESTONE	8.0	294.0	
118.0	MODESTO		SHALE	9.0	302.0	
109.0	CARBONDALE	DANVILLE	BONE COAL	1.0	311.0	
108.0	CARBONDALE		SHALE	7.0	312.0	
101.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	319.0	UPPER BENCH
97.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.0	323.0	SHALE PARTING
95.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	325.0	LOWER BENCH
94.0	CARBONDALE	LAWSON	SHALE	7.0	326.0	
87.0	CARBONDALE	CONANT	LIMESTONE	1.0	333.0	
86.0	CARBONDALE		SHALE	2.0	334.0	
84.0	CARBONDALE	BRERETON	LIMESTONE	2.0	336.0	
82.0	CARBONDALE	ANNA	BLACK SHALE	2.0	338.0	
80.0	CARBONDALE	HERRIN	COAL	6.0	340.0	

MAPID: 02703183000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 22 QUARTERS/FOOTAGES: 330' S line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.414078 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.508061 DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 2604.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	SPRINGFIELD	COAL	-	355.0	
-55.0	CARBONDALE	COLCHESTER	COAL	-	475.0	
-592.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1012.0	
-2137.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2557.0	TOP OF NEW ALBANY
-2148.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2568.0	
-2184.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2604.0	BASE OF NEW ALBANY

MAPID: 02724407000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 22 QUARTERS/FOOTAGES: NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.424695 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.512524 DATE COLLECTED: 12 / 18 / 1972

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 338.3 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 15556C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.3	SHELburn	PIASA	LIMESTONE	6.6	286.7	
94.7	CARBONDALE	HERRIN	COAL	7.0	320.3	

MAPID: 02724566000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 22 QUARTERS/FOOTAGES: 1320' N line, 2640' E line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.422352 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.518014 DATE COLLECTED: 9 / 19 / 1976

SURFACE ELEVATION (FT.): LOGGED (FT.): 351.9 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16387C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.5	340.8	

MAPID: 02724625000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 22 QUARTERS/FOOTAGES: 2310' S line, 2640' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.417582 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.513502 DATE COLLECTED: 12 / 9 / 1972

SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12793C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			COAL	0.7	217.7	
-	SHELBURN	DANVILLE	COAL	1.2	336.8	
-	CARBONDALE	HERRIN	COAL	9.4	373.0	

MAPID: 02701306000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.407183 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517348 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 371.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	MODESTO	PIASA	LIMESTONE	8.0	314.0	
93.0	MODESTO		UNCLASSIFIED	3.0	322.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.0	CARBONDALE		UNCLASSIFIED	14.0	325.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
76.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	339.0	
67.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.5	348.0	
60.5	CARBONDALE	CONANT	UNCLASSIFIED	2.5	354.5	
58.0	CARBONDALE		UNCLASSIFIED	1.0	357.0	SHALE ABOVE BRERETON LIMESTONE
57.0	CARBONDALE	BRERETON	LIMESTONE	2.0	358.0	
55.0	CARBONDALE	ANNA	BLACK SHALE	4.0	360.0	
51.0	CARBONDALE	HERRIN	COAL	7.0	364.0	

MAPID: 02701725000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.395436 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.51008 DATE COLLECTED: 3 / 0 / 1950

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 364.0 LOG TYPE: Electric Log

SOURCE: DORAN PAUL EST WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.5	MODESTO	PIASA	LIMESTONE	9.5	312.5	
124.0	MODESTO		UNCLASSIFIED	3.0	322.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
121.0	CARBONDALE		UNCLASSIFIED	11.0	325.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
110.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	336.0	
102.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	344.0	
98.5	CARBONDALE	CONANT	UNCLASSIFIED	3.5	347.5	
95.0	CARBONDALE		UNCLASSIFIED	2.0	351.0	SHALE ABOVE BRERETON LIMESTONE
93.0	CARBONDALE	ANNA	BLACK SHALE	4.0	353.0	
89.0	CARBONDALE	HERRIN	COAL	7.0	357.0	

MAPID: 02702516000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.393149 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.511922 DATE COLLECTED: 5 / 0 / 1952

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 508.0 LOG TYPE: Electric Log

SOURCE: DORAN THOMAS S WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	UNCLASSIFIED	-	320.0	
83.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	363.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO COAL HORIZON IDENTIFIABLE
-18.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	464.0	
-62.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	508.0	

MAPID: 02702516000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.393149 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.511922 DATE COLLECTED: 5 / 0 / 1952

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 371.0 LOG TYPE: Electric Log

SOURCE: DORAN THOMAS S WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
125.5	MODESTO	PIASA	LIMESTONE	6.5	320.5	
119.0	MODESTO		UNCLASSIFIED	3.0	327.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.0	CARBONDALE		UNCLASSIFIED	13.0	330.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	343.0	
96.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	350.0	
92.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	354.0	
89.0	CARBONDALE		UNCLASSIFIED	3.0	357.0	SHALE ABOVE BRERETON LIMESTONE
86.0	CARBONDALE	ANNA	BLACK SHALE	4.0	360.0	
82.0	CARBONDALE	HERRIN	COAL	7.0	364.0	

MAPID: 02702517000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.395569 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517485 DATE COLLECTED: 12 / 0 / 1950

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 368.0 LOG TYPE: Electric Log

SOURCE: CARTER OIL COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	MODESTO	PIASA	LIMESTONE	6.0	320.0	
95.0	MODESTO		UNCLASSIFIED	4.0	326.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
91.0	CARBONDALE		UNCLASSIFIED	12.0	330.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
79.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	342.0	
71.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	350.0	
67.0	CARBONDALE	CONANT	UNCLASSIFIED	2.5	354.0	
64.5	CARBONDALE		UNCLASSIFIED	2.0	356.5	SHALE ABOVE BRERETON LIMESTONE
62.5	CARBONDALE	BRERETON	LIMESTONE	2.5	358.5	
60.0	CARBONDALE	ANNA	BLACK SHALE	2.0	361.0	
58.0	CARBONDALE	HERRIN	COAL	5.0	363.0	

MAPID: 02700374000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 24 **QUARTERS/FOOTAGES:** 75' N line, 600' W line of SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.378433 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.51471 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1361.0 **LOG TYPE:**
SOURCE: WATKN WRHT **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	CARBONDALE	HERRIN	COAL	4.0	405.0	

MAPID: 02701356000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 24 **QUARTERS/FOOTAGES:** 2310' N line, 2310' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.381614 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.515851 **DATE COLLECTED:** 1 / 0 / 1955
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 406.0 **LOG TYPE:** Electric Log
SOURCE: LAMPEN, EDWARD H. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
86.1	MODESTO	PIASA	LIMESTONE	5.0	357.9	
81.1	MODESTO		UNCLASSIFIED	4.0	362.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.1	CARBONDALE		UNCLASSIFIED	14.0	366.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
63.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	380.9	
54.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	389.9	
49.1	CARBONDALE	CONANT	UNCLASSIFIED	2.5	394.9	
46.6	CARBONDALE		UNCLASSIFIED	1.3	397.4	SHALE ABOVE BRERETON LIMESTONE
45.3	CARBONDALE	BRERETON	LIMESTONE	1.3	398.7	
44.0	CARBONDALE	ANNA	BLACK SHALE	1.0	400.0	
43.0	CARBONDALE	HERRIN	COAL	5.0	401.0	

MAPID: 02701356000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.381614 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.515851 DATE COLLECTED:

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 411.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.5	MODESTO	PIASA	LIMESTONE	6.5	360.5	
77.0	MODESTO		SHALE	9.0	367.0	
68.0	CARBONDALE	DANVILLE	COAL	2.0	376.0	
66.0	CARBONDALE		SHALE	7.0	378.0	
59.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	385.0	UPPER BENCH
54.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.0	390.0	SHALE PARTING
53.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	391.0	LOWER BENCH
51.0	CARBONDALE	LAWSON	SHALE	7.0	393.0	
44.0	CARBONDALE	CONANT	LIMESTONE	1.0	400.0	
43.0	CARBONDALE		SHALE	2.0	401.0	
41.0	CARBONDALE	BRERETON	LIMESTONE	1.0	403.0	
40.0	CARBONDALE	ANNA	BLACK SHALE	1.0	404.0	
39.0	CARBONDALE	HERRIN	COAL	6.0	405.0	

MAPID: 02701357000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.388415 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.508268 DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 2529.0 LOG TYPE: Electric Log

SOURCE: DUNCAN, WALTER WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
81.0	CARBONDALE	SPRINGFIELD	COAL	-	365.0	
-44.0	CARBONDALE	COLCHESTER	COAL	-	490.0	
-549.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	995.0	
-2032.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2478.0	TOP OF NEW ALBANY
-2040.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2486.0	
-2083.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2529.0	BASE OF NEW ALBANY

MAPID: 02701357000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.388415 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.508268 DATE COLLECTED: 7 / 0 / 1952

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 359.0 LOG TYPE: Electric Log

SOURCE: DUNCAN, WALTER WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.0	MODESTO	PIASA	LIMESTONE	4.0	311.0	
131.0	MODESTO		UNCLASSIFIED	2.5	315.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
128.5	CARBONDALE		UNCLASSIFIED	12.5	317.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
116.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	330.0	
108.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	337.5	
103.5	CARBONDALE	CONANT	UNCLASSIFIED	2.5	342.5	
101.0	CARBONDALE		UNCLASSIFIED	5.0	345.0	SHALE ABOVE BRERETON LIMESTONE
96.0	CARBONDALE	BRERETON	LIMESTONE	3.5	350.0	
92.5	CARBONDALE	ANNA	BLACK SHALE	0.5	353.5	
92.0	CARBONDALE	HERRIN	COAL	5.0	354.0	

MAPID: 02701660000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.379255 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50848 DATE COLLECTED: 8 / 0 / 1958

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 350.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
145.0	MODESTO	PIASA	LIMESTONE	5.0	306.0	
140.0	MODESTO		UNCLASSIFIED	5.0	311.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
135.0	CARBONDALE		UNCLASSIFIED	9.5	316.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
125.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	325.5	
118.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	332.5	
114.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	336.5	
112.5	CARBONDALE		UNCLASSIFIED	1.5	338.5	SHALE ABOVE BRERETON LIMESTONE
111.0	CARBONDALE	BRERETON	LIMESTONE	2.0	340.0	
109.0	CARBONDALE	ANNA	BLACK SHALE	3.0	342.0	
106.0	CARBONDALE	HERRIN	COAL	5.0	345.0	

MAPID: 02702521000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.381649 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.512102 DATE COLLECTED: 1 / 0 / 1955

SURFACE ELEVATION (FT.): 437.0 LOGGED (FT.): 880.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
144.0	MODESTO	PIASA	UNCLASSIFIED	-	293.0	
105.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	332.0	
-61.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	498.0	
-443.0	BASE OF PENN.		UNCLASSIFIED	-	880.0	

MAPID: 02702521000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.381649 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.512102 DATE COLLECTED: 1 / 0 / 1955

SURFACE ELEVATION (FT.): 437.0 LOGGED (FT.): 337.8 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
144.0	MODESTO	PIASA	LIMESTONE	5.0	293.0	
139.0	MODESTO		UNCLASSIFIED	4.5	298.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
134.5	CARBONDALE		UNCLASSIFIED	10.0	302.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
124.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	312.5	
116.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	320.5	
112.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	325.0	
110.5	CARBONDALE		UNCLASSIFIED	1.5	326.5	SHALE ABOVE BRERETON LIMESTONE
109.0	CARBONDALE	ANNA	BLACK SHALE	4.0	328.0	
105.0	CARBONDALE	HERRIN	COAL	5.8	332.0	

MAPID: 02702522000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.374822 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.515882 DATE COLLECTED: 12 / 0 / 1954

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 419.0 LOG TYPE: Electric Log

SOURCE: STEIN CHARLES K WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	5.0	373.0	
80.0	MODESTO		UNCLASSIFIED	3.0	378.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.0	CARBONDALE		UNCLASSIFIED	12.0	381.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	393.0	
58.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	399.5	
53.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	405.0	
51.0	CARBONDALE		UNCLASSIFIED	2.0	407.0	SHALE ABOVE BRERETON LIMESTONE
49.0	CARBONDALE	ANNA	BLACK SHALE	4.0	409.0	
45.0	CARBONDALE	HERRIN	COAL	6.0	413.0	

MAPID: 02724280000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 24 QUARTERS/FOOTAGES: 1320' S line, 2640' E line of SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.382721 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.509331 DATE COLLECTED: 12 / 5 / 1972

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 323.5 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 15554 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
293.5			COAL	0.5	141.5	
257.4			COAL	0.8	177.6	
133.4			COAL	0.2	301.6	
117.7	SHELBURN	JAMESTOWN	COAL	0.1	317.3	
108.7	CARBONDALE	HERRIN	COAL	6.1	326.3	

MAPID: 02701355000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 1650' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.383745 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.506555 DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 341.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
158.0	MODESTO	PIASA	LIMESTONE	9.0	293.0	
149.0	MODESTO		SHALE	8.0	302.0	
141.0	CARBONDALE	DANVILLE	BONE COAL	1.0	310.0	
140.0	CARBONDALE		SHALE	5.0	311.0	
135.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	316.0	UPPER BENCH
131.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.0	320.0	SHALE PARTING
130.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	321.0	LOWER BENCH
129.0	CARBONDALE	LAWSON	SHALE	5.0	322.0	
124.0	CARBONDALE	CONANT	LIMESTONE	2.0	327.0	
122.0	CARBONDALE		SHALE	1.0	329.0	
121.0	CARBONDALE	BRERETON	LIMESTONE	1.0	330.0	
120.0	CARBONDALE	ANNA	BLACK SHALE	2.0	331.0	
118.0	CARBONDALE	HERRIN	COAL	8.0	333.0	

MAPID: 02702525000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.38612 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506499 DATE COLLECTED: 1 / 0 / 1955

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 346.5 LOG TYPE: Electric Log

SOURCE: MITCHELL, Q. B. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
154.0	MODESTO	PIASA	LIMESTONE	6.0	297.0	
148.0	MODESTO		UNCLASSIFIED	4.5	303.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
143.5	CARBONDALE		UNCLASSIFIED	12.0	307.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
131.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	319.5	
124.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	326.5	
120.5	CARBONDALE	CONANT	UNCLASSIFIED	1.5	330.5	
119.0	CARBONDALE		UNCLASSIFIED	2.5	332.0	SHALE ABOVE BRERETON LIMESTONE
116.5	CARBONDALE	BRERETON	LIMESTONE	3.5	334.5	
113.0	CARBONDALE	ANNA	BLACK SHALE	3.0	338.0	
110.0	CARBONDALE	HERRIN	COAL	5.5	341.0	

MAPID: 02702526000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.37696 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50671 DATE COLLECTED: 11 / 0 / 1954

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 368.5 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
130.0	MODESTO	PIASA	LIMESTONE	4.0	326.0	
126.0	MODESTO		UNCLASSIFIED	3.0	330.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.0	CARBONDALE		UNCLASSIFIED	10.0	333.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
113.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	343.0	
106.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	350.0	
103.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	353.0	
101.5	CARBONDALE		UNCLASSIFIED	2.0	354.5	SHALE ABOVE BRERETON LIMESTONE
99.5	CARBONDALE	ANNA	BLACK SHALE	4.5	356.5	
95.0	CARBONDALE	HERRIN	COAL	7.5	361.0	

MAPID: 02702527000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' S line, 330' E line of SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.381453 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.501003 DATE COLLECTED: 9 / 0 / 1946

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 414.0 LOG TYPE: Electric Log

SOURCE: KROHN, WM. H. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	7.0	361.0	
78.0	MODESTO		UNCLASSIFIED	3.0	368.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
75.0	CARBONDALE		UNCLASSIFIED	15.0	371.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
60.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	386.0	
50.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	395.5	
46.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	400.0	
44.0	CARBONDALE		UNCLASSIFIED	1.0	402.0	SHALE ABOVE BRERETON LIMESTONE
43.0	CARBONDALE	BRERETON	LIMESTONE	3.0	403.0	
40.0	CARBONDALE	ANNA	BLACK SHALE	3.0	406.0	
37.0	CARBONDALE	HERRIN	COAL	5.0	409.0	

MAPID: 02702528000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.379162 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.502936 DATE COLLECTED: 12 / 0 / 1954

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 398.5 LOG TYPE: Electric Log

SOURCE: MAZZARINO, M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.0	MODESTO	PIASA	LIMESTONE	6.0	347.0	
93.0	MODESTO		UNCLASSIFIED	4.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
89.0	CARBONDALE		UNCLASSIFIED	14.0	357.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
75.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	371.0	
67.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	378.5	
65.0	CARBONDALE	CONANT	UNCLASSIFIED	2.5	381.0	
62.5	CARBONDALE		UNCLASSIFIED	1.5	383.5	SHALE ABOVE BRERETON LIMESTONE
61.0	CARBONDALE	BRERETON	LIMESTONE	2.0	385.0	
59.0	CARBONDALE	ANNA	BLACK SHALE	4.0	387.0	
55.0	CARBONDALE	HERRIN	COAL	7.5	391.0	

MAPID: 02725634000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 25 QUARTERS/FOOTAGES: 660' N line, 327' E line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.381515 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.505694 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 2544.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	CARBONDALE	SPRINGFIELD	COAL	-	390.0	
-63.0	CARBONDALE	COLCHESTER	COAL	-	535.0	
-566.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1038.0	
-2024.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2496.0	TOP OF NEW ALBANY
-2032.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2504.0	
-2072.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2544.0	BASE OF NEW ALBANY

MAPID: 02701354000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.395256 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.49902 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 388.0 LOG TYPE: Electric Log

SOURCE: ZANETIS,JOHN M.ESTATE OF WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	LIMESTONE	7.0	338.0	
99.0	MODESTO		UNCLASSIFIED	3.0	345.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
96.0	CARBONDALE		UNCLASSIFIED	10.0	348.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	358.0	
77.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	367.0	
72.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	372.0	
69.0	CARBONDALE		UNCLASSIFIED	3.0	375.0	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	BRERETON	LIMESTONE	2.0	378.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	2.0	380.0	
62.0	CARBONDALE	HERRIN	COAL	6.0	382.0	

MAPID: 02702424000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 126' N line, 118' W line of NW NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.407822 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50685 DATE COLLECTED: 7 / 0 / 1973

SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE: Drillers Log

SOURCE: KOHNEN, CLARENCE E. WELL TYPE: Water Well

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.0		ELEVATION OF HERRIN = 32

MAPID: 02702529000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.393052 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506395 DATE COLLECTED: 10 / 0 / 1951

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 346.0 LOG TYPE: Electric Log

SOURCE: STANFORD OIL & GAS WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.0	MODESTO	PIASA	LIMESTONE	5.0	296.0	
144.0	MODESTO		UNCLASSIFIED	7.0	301.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
137.0	CARBONDALE	DANVILLE	COAL	1.5	308.0	
135.5	CARBONDALE		UNCLASSIFIED	10.5	309.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
125.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	320.0	
117.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	328.0	
113.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	332.0	
111.0	CARBONDALE		UNCLASSIFIED	1.0	334.0	SHALE ABOVE BRERETON LIMESTONE
110.0	CARBONDALE	BRERETON	LIMESTONE	3.0	335.0	
107.0	CARBONDALE	ANNA	BLACK SHALE	2.0	338.0	
105.0	CARBONDALE	HERRIN	COAL	6.0	340.0	

MAPID: 02702530000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.390698 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506412 DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 2524.0 LOG TYPE: Electric Log

SOURCE: STANFORD OIL & GAS WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	CARBONDALE	SPRINGFIELD	COAL	-	359.0	
-21.0	CARBONDALE	COLCHESTER	COAL	-	467.0	
-541.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	987.0	
-2028.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2474.0	TOP OF NEW ALBANY
-2037.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2483.0	
-2078.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2524.0	BASE OF NEW ALBANY

MAPID: 02702532000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.400044 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506343 DATE COLLECTED: 5 / 0 / 1951

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 354.0 LOG TYPE: Electric Log

SOURCE: FILE LOST WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.5	MODESTO	PIASA	LIMESTONE	6.0	301.5	
133.5	MODESTO		UNCLASSIFIED	4.5	307.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
129.0	CARBONDALE		UNCLASSIFIED	13.5	312.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
115.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	325.5	
106.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	335.0	
102.0	CARBONDALE		UNCLASSIFIED	2.0	339.0	SHALE ABOVE BRERETON LIMESTONE
100.0	CARBONDALE	BRERETON	LIMESTONE	4.0	341.0	
96.0	CARBONDALE	ANNA	BLACK SHALE	3.0	345.0	
93.0	CARBONDALE	HERRIN	COAL	6.0	348.0	

MAPID: 02702533000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 450' N line, 990' W line of NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.404746 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.505977 DATE COLLECTED: 4 / 0 / 1951

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 368.0 LOG TYPE: Electric Log

SOURCE: WHITNEY WELL CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
129.0	MODESTO	PIASA	LIMESTONE	4.0	317.0	
125.0	MODESTO		UNCLASSIFIED	5.0	321.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
120.0	CARBONDALE	DANVILLE	COAL	1.5	326.0	
118.5	CARBONDALE		UNCLASSIFIED	11.5	327.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	339.0	
99.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	347.0	
95.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	351.0	
92.0	CARBONDALE		UNCLASSIFIED	3.0	354.0	SHALE ABOVE BRERETON LIMESTONE
89.0	CARBONDALE	BRERETON	LIMESTONE	2.0	357.0	
87.0	CARBONDALE	ANNA	BLACK SHALE	1.0	359.0	
86.0	CARBONDALE	HERRIN	COAL	8.0	360.0	

MAPID: 02703245000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.397725 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506361 DATE COLLECTED: 8 / 0 / 1965

SURFACE ELEVATION (FT.): 437.0 LOGGED (FT.): 348.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
144.0	MODESTO	PIASA	LIMESTONE	4.0	293.0	
140.0	MODESTO		UNCLASSIFIED	4.5	297.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
135.5	CARBONDALE		UNCLASSIFIED	16.5	301.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
119.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	318.0	
109.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	327.5	
105.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	332.0	
104.0	CARBONDALE		UNCLASSIFIED	1.0	333.0	SHALE ABOVE BRERETON LIMESTONE
103.0	CARBONDALE	BRERETON	LIMESTONE	3.5	334.0	
99.5	CARBONDALE	ANNA	BLACK SHALE	3.5	337.5	
96.0	CARBONDALE	HERRIN	COAL	7.0	341.0	

MAPID: 02724854000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: 1320' N line, 1320' E line of NE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.394132 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.503652 DATE COLLECTED: 6 / 25 / 1976

SURFACE ELEVATION (FT.): LOGGED (FT.): 360.5 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 16375C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.5	348.0	REMOVED BY CO.

MAPID: 02726527000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 26 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.395324 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 38.502692 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 355.6 LOG TYPE: Company map

SOURCE: CARTER OIL WF-49 WELL TYPE: Coal Test

COMMENT: LOCATION, DATA FROM HOYLETON E & W MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.6	348.0	

MAPID: 02701353000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 27 QUARTERS/FOOTAGES: 990' N line, 990' E line of SE

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.411594 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.497082 DATE COLLECTED: 11 / 0 / 1950

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 352.0 LOG TYPE: Electric Log

SOURCE: MCCUE, JAMES O., SR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	LIMESTONE	8.0	300.0	
118.0	MODESTO		UNCLASSIFIED	4.0	308.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.0	CARBONDALE		UNCLASSIFIED	12.0	312.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
102.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	324.0	
95.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	331.0	
92.0	CARBONDALE	CONANT	UNCLASSIFIED	4.0	334.0	
88.0	CARBONDALE		UNCLASSIFIED	4.0	338.0	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	3.0	342.0	
81.0	CARBONDALE	ANNA	BLACK SHALE	2.0	345.0	
79.0	CARBONDALE	HERRIN	COAL	5.0	347.0	

MAPID: 02726528000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 27 QUARTERS/FOOTAGES: 1500' S line, 50' E line

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.408285 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 38.49661 DATE COLLECTED: 11 / 25 / 1970

SURFACE ELEVATION (FT.): 405.0 LOGGED (FT.): 364.2 LOG TYPE: Multiple log types

SOURCE: CARTER OIL WF-422 WELL TYPE: Coal Test

COMMENT: CORE REPORT, DRILLER'S LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	MODESTO		GRAY SHALE	9.9	308.0	CORE 313-364.2
87.1	CARBONDALE	DANVILLE	BLACK SHALE & COAL	0.2	317.9	SLATY COAL
87.0	CARBONDALE		CLAYSTONE	0.9	318.0	
86.1	CARBONDALE		SHALE	5.7	318.9	
80.4	CARBONDALE	BANKSTON FORK	LIMESTONE	4.8	324.6	
75.6	CARBONDALE	BANKSTON FORK	SHALE WITH LIMESTONE	1.0	329.4	
74.6	CARBONDALE	BANKSTON FORK	LIMESTONE	1.9	330.4	
72.7	CARBONDALE		SHALE	1.9	332.3	
70.8	CARBONDALE	CONANT	LIMESTONE	0.8	334.2	
70.0	CARBONDALE		SHALE	0.8	335.0	
69.2	CARBONDALE		LIMESTONE & SHALE	2.7	335.8	GREY-BLACK, CARB- JAMESTOWN?
66.5	CARBONDALE		CALCAREOUS SHALE	5.4	338.5	
61.1	CARBONDALE	BRERETON	LIMESTONE	3.8	343.9	
57.3	CARBONDALE	ANNA	BLACK SHALE	0.6	347.7	
56.7	CARBONDALE	HERRIN	COAL	6.0	348.3	COAL ANALYZED
50.7	CARBONDALE	HERRIN	CLAYSTONE	0.2	354.3	10% COAL LAMS
50.5	CARBONDALE	HERRIN	COAL	1.0	354.5	
49.5	CARBONDALE		UNDERCLAY	2.0	355.5	
47.5	CARBONDALE		CLAYSTONE & SILTSTONE	4.5	357.5	
43.0	CARBONDALE		SHALE	1.5	362.0	
41.5	CARBONDALE		SILTSTONE	0.7	363.5	

MAPID: 02703775000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 28 QUARTERS/FOOTAGES: 1980' N line, 660' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.443313

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.50163

DATE COLLECTED:

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 330.3

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9016C

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	MODESTO	PIASA	LIMESTONE	9.5	278.0	
124.5	CARBONDALE	DANVILLE	BONE COAL	1.9	287.5	
122.6	CARBONDALE		GRAY SHALE	7.2	289.4	
115.4	CARBONDALE	GALUM	LIMESTONE	0.7	296.6	
114.7	CARBONDALE		GRAY SHALE	5.2	297.3	
109.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.8	302.5	UPPER BENCH
106.7	CARBONDALE	BANKSTON FORK	GRAY SHALE	3.5	305.3	SHALE PARTING
103.2	CARBONDALE	BANKSTON FORK	LIMESTONE	0.6	308.8	LOWER BENCH
102.6	CARBONDALE	LAWSON	DARK GRAY SHALE	3.4	309.4	
99.2	CARBONDALE	CONANT	LIMESTONE	0.8	312.8	
98.4	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	4.1	313.6	
94.3	CARBONDALE		CALCAREOUS SHALE	0.6	317.7	
93.7	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	2.4	318.3	
91.2	CARBONDALE	ANNA	BLACK SHALE	2.3	320.8	
89.0	CARBONDALE	HERRIN	COAL	7.3	323.0	

MAPID: 02703775000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 28 QUARTERS/FOOTAGES: 1980' N line, 660' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.443313

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50163

DATE COLLECTED:

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 330.3

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 9016C

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
137.4	MODESTO	PIASA	LIMESTONE	9.5	277.6	
127.9	MODESTO		UNCLASSIFIED	6.1	287.1	
121.8	CARBONDALE		UNCLASSIFIED	8.9	293.2	
112.9	CARBONDALE	BANKSTON FORK	LIMESTONE	6.9	302.1	
106.0	CARBONDALE	ANVIL ROCK	SANDSTONE	5.7	309.0	
100.3	CARBONDALE	CONANT	LIMESTONE	2.5	314.7	
97.8	CARBONDALE		SHALE	1.1	317.2	
96.7	CARBONDALE	BRERETON	LIMESTONE	2.4	318.3	
94.3	CARBONDALE	ANNA	BLACK SHALE	2.3	320.7	
92.0	CARBONDALE	HERRIN	COAL	7.3	323.0	

MAPID: 02703775000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 28 QUARTERS/FOOTAGES: 1980' N line, 660' W line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.443313 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.50163 DATE COLLECTED: 9 / 9 / 1969
 SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 332.7 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 9016C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.4	SHELburn	CONANT	LIMESTONE	0.4	313.6	
93.2	CARBONDALE	BRERETON	LIMESTONE	2.4	318.8	
88.6	CARBONDALE	HERRIN	COAL	7.3	323.4	REMOVED BY CO.

MAPID: 02701352000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW
 QUADRANGLE: ADDIEVILLE LONGITUDE: -89.460708 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.493603 DATE COLLECTED: 12 / 0 / 1944
 SURFACE ELEVATION (FT.): 419.0 LOGGED (FT.): 335.5 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Producer-Oil
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.0	MODESTO	PIASA	LIMESTONE	8.0	288.0	
123.0	MODESTO		UNCLASSIFIED	4.0	296.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
119.0	CARBONDALE		UNCLASSIFIED	9.5	300.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
109.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	309.5	
101.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	317.5	
99.0	CARBONDALE		UNCLASSIFIED	1.5	320.0	SHALE ABOVE BRERETON LIMESTONE
97.5	CARBONDALE	BRERETON	LIMESTONE	5.0	321.5	
92.5	CARBONDALE	ANNA	BLACK SHALE	3.5	326.5	
89.0	CARBONDALE	HERRIN	COAL	5.5	330.0	

MAPID: 02701368000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.458362 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.50453 DATE COLLECTED: 3 / 0 / 1953

SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 442.0 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
145.0	MODESTO	PIASA	UNCLASSIFIED	-	268.0	
100.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	313.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
21.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	392.0	
-29.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	442.0	

MAPID: 02701368000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.458362 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50453 DATE COLLECTED: 3 / 0 / 1953

SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 320.0 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
145.0	MODESTO	PIASA	LIMESTONE	6.0	268.0	
139.0	MODESTO		UNCLASSIFIED	6.0	274.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
133.0	CARBONDALE	DANVILLE	COAL	2.0	280.0	
131.0	CARBONDALE		UNCLASSIFIED	9.5	282.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
121.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	291.5	
113.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	300.0	
109.5	CARBONDALE		UNCLASSIFIED	1.5	303.5	SHALE ABOVE BRERETON LIMESTONE
108.0	CARBONDALE	BRERETON	LIMESTONE	6.5	305.0	
101.5	CARBONDALE	ANNA	BLACK SHALE	2.5	311.5	
99.0	CARBONDALE	HERRIN	COAL	6.0	314.0	

MAPID: 02701368000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.458362 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50453 DATE COLLECTED:

SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 2456.0 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
88.0	CARBONDALE	SPRINGFIELD	COAL	-	325.0	
-27.0	CARBONDALE	COLCHESTER	COAL	-	440.0	
-493.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	906.0	
-2002.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2415.0	TOP OF NEW ALBANY
-2013.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2426.0	
-2043.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2456.0	BASE OF NEW ALBANY

MAPID: 02701629000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 2310' N line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.451426 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.500803 DATE COLLECTED: 2 / 0 / 1958

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 324.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.0	MODESTO	PIASA	LIMESTONE	8.0	276.0	
128.0	MODESTO		UNCLASSIFIED	3.0	284.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
125.0	CARBONDALE		UNCLASSIFIED	11.0	287.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
114.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	298.0	
105.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	307.0	
101.0	CARBONDALE		UNCLASSIFIED	2.0	311.0	SHALE ABOVE BRERETON LIMESTONE
99.0	CARBONDALE	BRERETON	LIMESTONE	3.5	313.0	
95.5	CARBONDALE	ANNA	BLACK SHALE	2.5	316.5	
93.0	CARBONDALE	HERRIN	COAL	5.0	319.0	

MAPID: 02701629000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 2310' N line, 1650' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.451426

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.500803

DATE COLLECTED:

SURFACE ELEVATION (FT.): 412.0

LOGGED (FT.): 323.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
140.0	MODESTO	PIASA	LIMESTONE	10.0	272.0	
130.0	MODESTO		SHALE	9.0	282.0	
121.0	CARBONDALE	DANVILLE	COAL	1.0	291.0	
120.0	CARBONDALE		SHALE	4.0	292.0	
116.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	296.0	UPPER BENCH
112.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	3.0	300.0	SHALE PARTING
109.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	303.0	LOWER BENCH
108.0	CARBONDALE	LAWSON	SHALE	7.0	304.0	
101.0	CARBONDALE	BRERETON	LIMESTONE	5.0	311.0	
96.0	CARBONDALE	ANNA	BLACK SHALE	2.0	316.0	
94.0	CARBONDALE	HERRIN	COAL	5.0	318.0	

MAPID: 02701811000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.458385

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.495402

DATE COLLECTED: 7 / 0 / 1960

SURFACE ELEVATION (FT.): 411.0

LOGGED (FT.): 310.0

LOG TYPE: Electric Log

SOURCE: JET OIL CO.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	CARBONDALE	HERRIN	COAL	6.0	304.0	

MAPID: 02702008000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.463013 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.499117 DATE COLLECTED: 8 / 0 / 1963

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 317.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
147.5	MODESTO	PIASA	LIMESTONE	6.5	269.5	
141.0	MODESTO		UNCLASSIFIED	5.0	276.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
136.0	CARBONDALE		UNCLASSIFIED	9.0	281.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
127.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	290.0	
118.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	299.0	
116.0	CARBONDALE		UNCLASSIFIED	1.5	301.0	SHALE ABOVE BRERETON LIMESTONE
114.5	CARBONDALE	BRERETON	LIMESTONE	4.5	302.5	
110.0	CARBONDALE	ANNA	BLACK SHALE	3.0	307.0	
107.0	CARBONDALE	HERRIN	COAL	7.0	310.0	

MAPID: 02702534000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.458385 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.495402 DATE COLLECTED: 8 / 0 / 1946

SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 319.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN ALOYS WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
141.0	MODESTO	PIASA	LIMESTONE	8.0	272.0	
133.0	MODESTO		UNCLASSIFIED	4.0	280.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
129.0	CARBONDALE		UNCLASSIFIED	8.0	284.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
121.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	292.0	
114.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	299.0	
111.0	CARBONDALE		UNCLASSIFIED	2.0	302.0	SHALE ABOVE BRERETON LIMESTONE
109.0	CARBONDALE	BRERETON	LIMESTONE	4.0	304.0	
105.0	CARBONDALE	ANNA	BLACK SHALE	2.0	308.0	
103.0	CARBONDALE	HERRIN	COAL	9.0	310.0	

MAPID: 02702535000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.453736 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.502648 DATE COLLECTED: 10 / 0 / 1945

SURFACE ELEVATION (FT.): 411.0 LOGGED (FT.): 309.5 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
150.0	MODESTO	PIASA	LIMESTONE	8.0	261.0	
142.0	MODESTO		UNCLASSIFIED	3.0	269.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
139.0	CARBONDALE		UNCLASSIFIED	12.0	272.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
127.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	284.0	
118.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	293.0	
115.0	CARBONDALE		UNCLASSIFIED	2.0	296.0	SHALE ABOVE BRERETON LIMESTONE
113.0	CARBONDALE	BRERETON	LIMESTONE	4.0	298.0	
109.0	CARBONDALE	ANNA	BLACK SHALE	3.0	302.0	
106.0	CARBONDALE	HERRIN	COAL	4.5	305.0	

MAPID: 02703787000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SW

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.45839 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.493572 DATE COLLECTED: 2 / 0 / 1970

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 325.0 LOG TYPE: Electric Log

SOURCE: WINN, C. R. DRLG. CONTR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.0	CARBONDALE	HERRIN	COAL	5.0	320.0	

MAPID: 02700387000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 30 QUARTERS/FOOTAGES: 1650' N line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.477855 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.502655 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 414.3 LOGGED (FT.): 1403.0 LOG TYPE:

SOURCE: FARRELLY WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.3	CARBONDALE	HERRIN	COAL	2.0	342.0	

MAPID: 02700387000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 30 QUARTERS/FOOTAGES: 1650' N line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.477855 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.502655 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 344.0 LOG TYPE: Drillers Log

SOURCE: FARRELLY, ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.0	MODESTO	PIASA	LIMESTONE	7.0	298.0	
109.0	MODESTO		UNCLASSIFIED	5.0	305.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
104.0	CARBONDALE		UNCLASSIFIED	15.0	310.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
89.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	325.0	
82.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	332.0	
80.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	334.0	
79.0	CARBONDALE		UNCLASSIFIED	1.0	335.0	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	BRERETON	LIMESTONE	3.0	336.0	
75.0	CARBONDALE	ANNA	BLACK SHALE	3.0	339.0	
72.0	CARBONDALE	HERRIN	COAL	2.0	342.0	

MAPID: 02701590000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.472288 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.49907 DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 340.5 LOG TYPE: Electric Log

SOURCE: SKILES OIL CORP WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.5	MODESTO	PIASA	LIMESTONE	5.0	293.5	
113.5	MODESTO		UNCLASSIFIED	5.0	298.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
108.5	CARBONDALE	DANVILLE	COAL	1.5	303.5	
107.0	CARBONDALE		UNCLASSIFIED	10.5	305.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	315.5	
89.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	323.0	
87.0	CARBONDALE		UNCLASSIFIED	1.0	325.0	SHALE ABOVE BRERETON LIMESTONE
86.0	CARBONDALE	BRERETON	LIMESTONE	6.0	326.0	
80.0	CARBONDALE	ANNA	BLACK SHALE	2.0	332.0	
78.0	CARBONDALE	HERRIN	COAL	6.5	334.0	

MAPID: 02701750000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 30 **QUARTERS/FOOTAGES:** 1980' S line, 2640' W line
QUADRANGLE: ADDIEVILLE **LONGITUDE:** -89.469632 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.498175 **DATE COLLECTED:** 2 / 12 / 1971
SURFACE ELEVATION (FT.): 411.0 **LOGGED (FT.):** 338.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12068C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
81.3	CARBONDALE	HERRIN	COAL	6.1	329.7	

MAPID: 02701750000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 30 **QUARTERS/FOOTAGES:** 1980' S line, 2640' W line
QUADRANGLE: ADDIEVILLE **LONGITUDE:** -89.469632 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.498175 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 411.0 **LOGGED (FT.):** 336.1 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12068C **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.6	MODESTO	PIASA	LIMESTONE	7.7	288.4	
114.9	CARBONDALE		GRAY SHALE	13.9	296.1	
101.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	8.2	310.0	
92.8	CARBONDALE	LAWSON	GRAY SHALE	4.1	318.2	
88.7	CARBONDALE	CONANT	LIMESTONE	1.0	322.3	
87.7	CARBONDALE	JAMESTOWN	LIMESTONE	4.0	323.3	
83.7	CARBONDALE		CALCAREOUS SHALE	0.4	327.3	
83.3	CARBONDALE	BRERETON	LIMESTONE	2.3	327.7	
81.0	CARBONDALE	HERRIN	COAL	6.1	330.0	

MAPID: 02701992000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.470465 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506375 DATE COLLECTED:

SURFACE ELEVATION (FT.): 409.0 LOGGED (FT.): 2483.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	SPRINGFIELD	COAL	-	353.0	
-61.0	CARBONDALE	COLCHESTER	COAL	-	470.0	
-506.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	915.0	
-2037.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2446.0	TOP OF NEW ALBANY
-2047.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2456.0	
-2074.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2483.0	BASE OF NEW ALBANY

MAPID: 02701992000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.470465 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506375 DATE COLLECTED: 6 / 0 / 1963

SURFACE ELEVATION (FT.): 409.0 LOGGED (FT.): 345.5 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
109.0	MODESTO	PIASA	LIMESTONE	7.0	300.0	
102.0	MODESTO		UNCLASSIFIED	3.0	307.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
99.0	CARBONDALE		UNCLASSIFIED	11.0	310.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
88.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	321.0	
79.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	329.5	
77.5	CARBONDALE		UNCLASSIFIED	2.0	331.5	SHALE ABOVE BRERETON LIMESTONE
75.5	CARBONDALE	BRERETON	LIMESTONE	4.5	333.5	
71.0	CARBONDALE	ANNA	BLACK SHALE	2.0	338.0	
69.0	CARBONDALE	HERRIN	COAL	5.5	340.0	

MAPID: 02702235000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 30 **QUARTERS/FOOTAGES:** NE NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.466467 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.505501 **DATE COLLECTED:** 1 / 22 / 1973
SURFACE ELEVATION (FT.): 411.0 **LOGGED (FT.):** 334.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12798C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
86.0	CARBONDALE	HERRIN	COAL	7.8	325.0	

MAPID: 02724570000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 30 **QUARTERS/FOOTAGES:** 330' N line, 1650' E line of NW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.474579 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.506332 **DATE COLLECTED:** 7 / 22 / 1976
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 338.1 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 16379C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.0	326.6	

MAPID: 02701350000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 3W **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NE
QUADRANGLE: ADDIEVILLE **LONGITUDE:** -89.469986 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.491798 **DATE COLLECTED:** 5 / 0 / 1945
SURFACE ELEVATION (FT.): 411.0 **LOGGED (FT.):** 335.0 **LOG TYPE:** Electric Log
SOURCE: MOSEBACK PAUL **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.5	MODESTO	PIASA	LIMESTONE	7.5	284.5	
119.0	MODESTO		UNCLASSIFIED	4.0	292.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.0	CARBONDALE		UNCLASSIFIED	12.0	296.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	308.0	
94.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	317.0	
92.0	CARBONDALE		UNCLASSIFIED	2.0	319.0	SHALE ABOVE BRERETON LIMESTONE
90.0	CARBONDALE	BRERETON	LIMESTONE	5.5	321.0	
84.5	CARBONDALE	ANNA	BLACK SHALE	3.5	326.5	
81.0	CARBONDALE	HERRIN	COAL	5.0	330.0	

MAPID: 02704101000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 31 QUARTERS/FOOTAGES: 660' S line, 330' W line
 QUADRANGLE: ADDIEVILLE LONGITUDE: -89.477423 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.480003 DATE COLLECTED: 8 / 0 / 1971
 SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 353.0 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 12069C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.7	CARBONDALE	HERRIN	COAL	6.6	343.3	

MAPID: 02704101000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 31 QUARTERS/FOOTAGES: 660' S line, 330' W line
 QUADRANGLE: ADDIEVILLE LONGITUDE: -89.477423 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.480003 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 349.6 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12069C WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
112.2	MODESTO	PIASA	LIMESTONE	11.5	299.8	
100.7	CARBONDALE		GRAY SHALE	9.1	311.3	
91.6	CARBONDALE	BANKSTON FORK	LIMESTONE	5.6	320.4	UPPER BENCH
86.0	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.0	326.0	SHALE PARTING
85.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.8	327.0	LOWER BENCH
83.2	CARBONDALE	LAWSON	GRAY SHALE	5.5	328.8	
77.7	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	8.1	334.3	
69.6	CARBONDALE	ANNA	DARK GRAY SHALE	0.6	342.4	
69.0	CARBONDALE	HERRIN	COAL	6.6	343.0	

MAPID: 02701351000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 32 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NW

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.460706 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.491781 DATE COLLECTED: 9 / 0 / 1952

SURFACE ELEVATION (FT.): 419.0 LOGGED (FT.): 328.5 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.0	MODESTO	PIASA	LIMESTONE	6.0	280.0	
133.0	MODESTO		UNCLASSIFIED	3.5	286.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
129.5	CARBONDALE		UNCLASSIFIED	9.0	289.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
120.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	298.5	
112.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	306.5	
110.0	CARBONDALE	CONANT	UNCLASSIFIED	4.5	309.0	
105.5	CARBONDALE		UNCLASSIFIED	3.0	313.5	SHALE ABOVE BRERETON LIMESTONE
102.5	CARBONDALE	BRERETON	LIMESTONE	6.0	316.5	
96.5	CARBONDALE	ANNA	BLACK SHALE	1.5	322.5	
95.0	CARBONDALE	HERRIN	COAL	4.5	324.0	

MAPID: 02702538000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 32 QUARTERS/FOOTAGES: 1650' N line, 990' W line

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.460687 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.488134 DATE COLLECTED: 9 / 0 / 1945

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 331.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
129.0	MODESTO	PIASA	LIMESTONE	9.0	283.0	
120.0	MODESTO		UNCLASSIFIED	3.0	292.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
117.0	CARBONDALE		UNCLASSIFIED	9.0	295.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
108.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	304.0	
99.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	313.0	
97.0	CARBONDALE		UNCLASSIFIED	2.0	315.0	SHALE ABOVE BRERETON LIMESTONE
95.0	CARBONDALE	BRERETON	LIMESTONE	6.5	317.0	
88.5	CARBONDALE	ANNA	BLACK SHALE	2.5	323.5	
86.0	CARBONDALE	HERRIN	COAL	5.0	326.0	

MAPID: 02702538000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 32 QUARTERS/FOOTAGES: 1650' N line, 990' W line
 QUADRANGLE: ADDIEVILLE LONGITUDE: -89.460687 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.488134 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 334.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.5	MODESTO	PIASA	LIMESTONE	9.0	286.5	
119.5	CARBONDALE		SHALE	12.0	295.5	
107.5	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	307.5	UPPER BENCH
104.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.0	310.5	SHALE PARTING
102.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	312.5	LOWER BENCH
100.5	CARBONDALE	LAWSON	SHALE	5.0	314.5	
95.5	CARBONDALE	BRERETON	LIMESTONE	7.0	319.5	
88.5	CARBONDALE	ANNA	BLACK SHALE	1.5	326.5	
87.0	CARBONDALE	HERRIN	COAL	6.0	328.0	

MAPID: 02702538000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 32 QUARTERS/FOOTAGES: 1650' N line, 990' W line
 QUADRANGLE: ADDIEVILLE LONGITUDE: -89.460687 GEOLOGIST: C TREWORYG
 CONFIDENTIAL: N LATITUDE: 38.488134 DATE COLLECTED: 9 / 0 / 1945
 SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 462.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.0	MODESTO	PIASA	UNCLASSIFIED	-	284.0	
84.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	328.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
-3.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	415.0	
-50.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	462.0	

MAPID: 02724622000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 32 QUARTERS/FOOTAGES:
 QUADRANGLE: ADDIEVILLE LONGITUDE: -89.454872 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.485335 DATE COLLECTED: 0 / 0 / 1972
 SURFACE ELEVATION (FT.): LOGGED (FT.): 342.5 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 12787C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.6	333.4	

MAPID: 02726518000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 1N 3W SECTION: 33 QUARTERS/FOOTAGES: 15' N line, 67' E line of NW NW

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.441185 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 38.492441 DATE COLLECTED: 11 / 17 / 1970

SURFACE ELEVATION (FT.): 405.0 LOGGED (FT.): 355.0 LOG TYPE: Multiple log types

SOURCE: CARTER OIL WF-421 WELL TYPE: Coal Test

COMMENT: DRILLER'S LOG, CORE REPORT

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.0	MODESTO	PIASA	LIMESTONE	7.5	289.0	DRILLER'S LOG 0-318'
108.5	MODESTO		BLACK SHALE	4.5	296.5	GREY-BLACK, CARBONACEOUS
104.0	CARBONDALE	DANVILLE	COAL	1.0	301.0	
103.0	CARBONDALE		UNDERCLAY	4.0	302.0	
99.0	CARBONDALE		SHALE	2.5	306.0	
96.5	CARBONDALE		LIMESTONE	1.5	308.5	
95.0	CARBONDALE		SHALE	4.5	310.0	
90.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.7	314.5	
87.8	CARBONDALE	BANKSTON FORK	SHALE	2.0	317.2	CORE 318-355
85.8	CARBONDALE	BANKSTON FORK	LIMESTONE	1.8	319.2	
84.0	CARBONDALE		SHALE	4.1	321.0	
79.9	CARBONDALE	CONANT	LIMESTONE	3.7	325.1	
76.2	CARBONDALE		SHALE	1.7	328.8	
74.5	CARBONDALE	BRERETON	LIMESTONE	3.6	330.5	
70.9	CARBONDALE	ANNA	BLACK SHALE	1.7	334.1	
69.2	CARBONDALE	HERRIN	COAL	6.3	335.8	COAL ANALYZED
62.9	CARBONDALE	HERRIN	CLAYSTONE	0.3	342.1	(40% W/ REST BONE & PY)BLUE BAND
62.6	CARBONDALE	HERRIN	COAL	1.4	342.4	
61.3	CARBONDALE		UNDERCLAY	1.3	343.7	
60.0	CARBONDALE		LIMESTONE W/ SHALE	2.5	345.0	
57.5	CARBONDALE		SHALE	4.2	347.5	W/ LS NODS
53.3	CARBONDALE		SANDY SHALE	3.3	351.7	

MAPID: 02700198000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 250' S line, 175' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.480187 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.551681 DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.9 LOGGED (FT.): 1067.0 LOG TYPE:

SOURCE: EWING MARQ WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.9	CARBONDALE	HERRIN	COAL	7.0	394.0	

MAPID: 02700198000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 250' S line, 175' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.480187 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.551681 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 401.0 LOG TYPE: Drillers Log

SOURCE: EWING & MARQUIS WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	6.0	350.0	
112.0	MODESTO		UNCLASSIFIED	3.5	356.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
108.5	CARBONDALE		UNCLASSIFIED	9.5	359.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	369.0	
93.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	375.0	
88.0	CARBONDALE	CONANT	UNCLASSIFIED	6.0	380.0	
82.0	CARBONDALE		UNCLASSIFIED	3.0	386.0	SHALE ABOVE BRERETON LIMESTONE
79.0	CARBONDALE	BRERETON	LIMESTONE	5.0	389.0	
74.0	CARBONDALE	HERRIN	COAL	7.0	394.0	

MAPID: 02701225000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW SE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.483024 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.553691 DATE COLLECTED: 4 / 0 / 1956

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 368.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.5	MODESTO	PIASA	LIMESTONE	9.0	310.5	
126.5	MODESTO		UNCLASSIFIED	4.0	319.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.5	CARBONDALE		UNCLASSIFIED	10.0	323.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	333.5	
104.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	342.0	
98.5	CARBONDALE	CONANT	UNCLASSIFIED	4.0	347.5	
94.5	CARBONDALE		UNCLASSIFIED	4.5	351.5	SHALE ABOVE BRERETON LIMESTONE
90.0	CARBONDALE	BRERETON	LIMESTONE	3.5	356.0	
86.5	CARBONDALE	ANNA	BLACK SHALE	2.5	359.5	
84.0	CARBONDALE	HERRIN	COAL	6.0	362.0	

MAPID: 02701226000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 990' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.485308 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.559197 DATE COLLECTED: 4 / 0 / 1956

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 368.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.5	MODESTO	PIASA	LIMESTONE	7.0	312.5	
126.5	MODESTO		UNCLASSIFIED	2.0	319.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
124.5	CARBONDALE		UNCLASSIFIED	12.0	321.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	333.5	
105.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	340.5	
101.5	CARBONDALE	CONANT	UNCLASSIFIED	4.0	344.5	
97.5	CARBONDALE		UNCLASSIFIED	2.0	348.5	SHALE ABOVE BRERETON LIMESTONE
95.5	CARBONDALE	BRERETON	LIMESTONE	3.5	350.5	
92.0	CARBONDALE	ANNA	BLACK SHALE	6.0	354.0	
86.0	CARBONDALE	HERRIN	COAL	8.0	360.0	

MAPID: 02701249000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.492266 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55735 DATE COLLECTED: 7 / 0 / 1956

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 377.5 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.5	MODESTO	PIASA	LIMESTONE	5.0	324.5	
119.5	MODESTO		UNCLASSIFIED	4.0	329.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.5	CARBONDALE		UNCLASSIFIED	10.0	333.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
105.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	343.5	
96.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	352.5	
91.0	CARBONDALE	CONANT	UNCLASSIFIED	3.5	358.0	
87.5	CARBONDALE		UNCLASSIFIED	1.5	361.5	SHALE ABOVE BRERETON LIMESTONE
86.0	CARBONDALE	BRERETON	LIMESTONE	3.5	363.0	
82.5	CARBONDALE	ANNA	BLACK SHALE	3.5	366.5	
79.0	CARBONDALE	HERRIN	COAL	7.5	370.0	

MAPID: 02701251000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 660' W line of SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.491095 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.561143 DATE COLLECTED: 8 / 0 / 1956

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 332.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
143.5	MODESTO	PIASA	LIMESTONE	7.0	277.5	
136.5	MODESTO		UNCLASSIFIED	4.5	284.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
132.0	CARBONDALE		UNCLASSIFIED	10.0	289.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
122.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	299.0	
113.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	7.0	308.0	
106.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	315.0	
104.0	CARBONDALE		UNCLASSIFIED	1.5	317.0	SHALE ABOVE BRERETON LIMESTONE
102.5	CARBONDALE	BRERETON	LIMESTONE	3.5	318.5	
99.0	CARBONDALE	ANNA	BLACK SHALE	3.0	322.0	
96.0	CARBONDALE	HERRIN	COAL	7.0	325.0	

MAPID: 02701256000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 30' S line, 330' W line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487617 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.562107 DATE COLLECTED: 7 / 0 / 1956

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 367.5 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.0	MODESTO	PIASA	LIMESTONE	4.0	310.0	
127.0	MODESTO		UNCLASSIFIED	5.0	314.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.0	CARBONDALE		UNCLASSIFIED	14.5	319.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	333.5	
101.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	340.0	
96.0	CARBONDALE	CONANT	UNCLASSIFIED	3.5	345.0	
92.5	CARBONDALE		UNCLASSIFIED	4.0	348.5	SHALE ABOVE BRERETON LIMESTONE
88.5	CARBONDALE	BRERETON	LIMESTONE	4.0	352.5	
84.5	CARBONDALE	ANNA	BLACK SHALE	3.5	356.5	
81.0	CARBONDALE	HERRIN	COAL	7.5	360.0	

MAPID: 02701263000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.496882 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.565056 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 329.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
147.0	MODESTO	PIASA	LIMESTONE	3.0	276.0	
144.0	MODESTO		UNCLASSIFIED	4.5	279.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
139.5	CARBONDALE		UNCLASSIFIED	14.5	283.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
125.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	298.0	
116.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	307.0	
110.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	313.0	
108.0	CARBONDALE		UNCLASSIFIED	1.0	315.0	SHALE ABOVE BRERETON LIMESTONE
107.0	CARBONDALE	BRERETON	LIMESTONE	2.5	316.0	
104.5	CARBONDALE	ANNA	BLACK SHALE	3.5	318.5	
101.0	CARBONDALE	HERRIN	COAL	7.0	322.0	

MAPID: 02701268000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 1720' N line, 2310' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487635 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.561022 DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 386.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.0	MODESTO	PIASA	LIMESTONE	8.0	322.0	
116.0	MODESTO		SHALE	7.0	330.0	
109.0	CARBONDALE	DANVILLE	COAL	2.0	337.0	
107.0	CARBONDALE		SHALE	7.0	339.0	
100.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	346.0	
95.0	CARBONDALE	LAWSON	SHALE	10.0	351.0	
85.0	CARBONDALE	JAMESTOWN	LIMESTONE & SHALE	5.0	361.0	
80.0	CARBONDALE		SHALE	3.0	366.0	
77.0	CARBONDALE	BRERETON	LIMESTONE	7.0	369.0	
70.0	CARBONDALE	ANNA	SHALE	4.0	376.0	
66.0	CARBONDALE	HERRIN	COAL	6.5	380.0	

MAPID: 02701270000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.496897 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557337 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 350.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.0	MODESTO	PIASA	LIMESTONE	5.0	297.0	
111.0	MODESTO		UNCLASSIFIED	4.0	302.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
107.0	CARBONDALE		UNCLASSIFIED	12.0	306.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	318.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	327.0	
81.0	CARBONDALE	CONANT	UNCLASSIFIED	4.0	332.0	
77.0	CARBONDALE		UNCLASSIFIED	2.0	336.0	SHALE ABOVE BRERETON LIMESTONE
75.0	CARBONDALE	BRERETON	LIMESTONE	2.0	338.0	
73.0	CARBONDALE	ANNA	BLACK SHALE	3.0	340.0	
70.0	CARBONDALE	HERRIN	COAL	7.0	343.0	

MAPID: 02702539000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487636 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.557366 DATE COLLECTED: 8 / 0 / 1954

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.5	MODESTO	PIASA	LIMESTONE	5.0	319.5	
111.5	MODESTO		UNCLASSIFIED	5.0	324.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
106.5	CARBONDALE		UNCLASSIFIED	15.5	329.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.5	345.0	
80.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	355.5	
77.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	359.0	
76.0	CARBONDALE		UNCLASSIFIED	3.0	360.0	SHALE ABOVE BRERETON LIMESTONE
73.0	CARBONDALE	BRERETON	LIMESTONE	5.0	363.0	
68.0	CARBONDALE	ANNA	BLACK SHALE	4.0	368.0	
64.0	CARBONDALE	HERRIN	COAL	8.0	372.0	

MAPID: 02724916000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 1 QUARTERS/FOOTAGES: 1980' S line, 2640' E line of NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.493437 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.559907 DATE COLLECTED: 9 / 12 / 1977

SURFACE ELEVATION (FT.): LOGGED (FT.): 358.7 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16525C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	8.8	346.0	

MAPID: 02701284000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NW

QUADRANGLE: BREESE LONGITUDE: -89.51304 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.565718 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 419.0 LOGGED (FT.): 373.5 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	MODESTO	PIASA	LIMESTONE	7.0	322.0	
90.0	MODESTO		UNCLASSIFIED	3.0	329.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
87.0	CARBONDALE		UNCLASSIFIED	12.0	332.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
75.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	344.0	
67.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	351.5	
63.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	356.0	
60.0	CARBONDALE		UNCLASSIFIED	2.0	359.0	SHALE ABOVE BRERETON LIMESTONE
58.0	CARBONDALE	BRERETON	LIMESTONE	4.5	361.0	
53.5	CARBONDALE	ANNA	BLACK SHALE	3.5	365.5	
50.0	CARBONDALE	HERRIN	COAL	4.5	369.0	

MAPID: 0270131000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.499203 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.56513 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 425.0 LOGGED (FT.): 344.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.5	MODESTO	PIASA	LIMESTONE	5.0	293.5	
126.5	MODESTO		UNCLASSIFIED	3.0	298.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.5	CARBONDALE		UNCLASSIFIED	11.0	301.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	312.5	
104.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	320.5	
100.0	CARBONDALE		UNCLASSIFIED	4.0	325.0	SHALE ABOVE BRERETON LIMESTONE
96.0	CARBONDALE	BRERETON	LIMESTONE	5.5	329.0	
90.5	CARBONDALE	ANNA	BLACK SHALE	2.5	334.5	
88.0	CARBONDALE	HERRIN	COAL	7.0	337.0	

MAPID: 02701311000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 2 QUARTERS/FOOTAGES: 1650' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.49921 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.561486 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 344.5 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	MODESTO	PIASA	LIMESTONE	5.0	288.0	
129.0	MODESTO		UNCLASSIFIED	5.0	293.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
124.0	CARBONDALE	DANVILLE	COAL	2.5	298.0	
121.5	CARBONDALE		UNCLASSIFIED	12.5	300.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
109.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	313.0	
101.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	321.0	
97.0	CARBONDALE		UNCLASSIFIED	4.0	325.0	SHALE ABOVE BRERETON LIMESTONE
93.0	CARBONDALE	BRERETON	LIMESTONE	5.0	329.0	
88.0	CARBONDALE	ANNA	BLACK SHALE	3.0	334.0	
85.0	CARBONDALE	HERRIN	COAL	7.5	337.0	

MAPID: 02701311000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 2 QUARTERS/FOOTAGES: 1650' N line, 330' E line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.49921 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.561486 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 359.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.0	MODESTO	PIASA	LIMESTONE	6.0	317.0	
99.0	CARBONDALE		SHALE	10.0	323.0	
89.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	333.0	
84.0	CARBONDALE	LAWSON	SHALE	3.0	338.0	
81.0	CARBONDALE	BRERETON	LIMESTONE	7.0	341.0	
74.0	CARBONDALE	ANNA	SHALE	5.0	348.0	
69.0	CARBONDALE	HERRIN	COAL	6.0	353.0	

MAPID: 02724654000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 2 QUARTERS/FOOTAGES:
 QUADRANGLE: BREESE LONGITUDE: -89.507294 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.5587 DATE COLLECTED: 9 / 13 / 1973
 SURFACE ELEVATION (FT.): 418.9 LOGGED (FT.): 374.6 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 15712C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.5	CARBONDALE	HERRIN	COAL	9.2	358.4	

MAPID: 02700213000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 3 QUARTERS/FOOTAGES: 850' S line, 4700' E line
 QUADRANGLE: BREESE LONGITUDE: -89.533086 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.554207 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 428.2 LOGGED (FT.): 0.0 LOG TYPE:
 SOURCE: SOUTHERN COAL CO. 0010 WELL TYPE: Underground mine
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.2	CARBONDALE	HERRIN	COAL	4.8	345.0	

MAPID: 02701981000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 3 **QUARTERS/FOOTAGES:** 390' S line, 340' W line of NE
QUADRANGLE: BREESE **LONGITUDE:** -89.524818 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.560415 **DATE COLLECTED:** 5 / 0 / 1963
SURFACE ELEVATION (FT.): 427.0 **LOGGED (FT.):** 349.0 **LOG TYPE:** Electric Log
SOURCE: JET OIL CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	CARBONDALE	HERRIN	COAL	5.0	344.0	

MAPID: 02704102000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' S line, 0' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.516571 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.552446 **DATE COLLECTED:** 2 / 5 / 1971
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 360.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 12067C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	9.4	347.7	REMOVED BY CO.

MAPID: 02704102000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' S line, 0' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.516571 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.552446 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 360.0 **LOGGED (FT.):** 357.4 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12067C **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.6	MODESTO	PIASA	LIMESTONE	10.5	299.4	
50.1	CARBONDALE		GRAY SHALE	18.0	309.9	
32.1	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	327.9	
27.1	CARBONDALE	LAWSON	GRAY SHALE	6.0	332.9	
21.1	CARBONDALE	BRERETON	LIMESTONE	5.4	338.9	
15.7	CARBONDALE	ANNA	DARK GRAY SHALE	3.7	344.3	
12.0	CARBONDALE	HERRIN	COAL	9.4	348.0	

MAPID: 02700199000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 4 QUARTERS/FOOTAGES: 1400' S line, 3600' E line

QUADRANGLE: BREESE LONGITUDE: -89.548212 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.556164 DATE COLLECTED: 0 / 0 / 1997

SURFACE ELEVATION (FT.): 438.6 LOGGED (FT.): 354.0 LOG TYPE:

SOURCE: GERMANTN F WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.6	CARBONDALE	HERRIN	COAL	5.1	348.0	

MAPID: 02700199000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 4 QUARTERS/FOOTAGES: 1400' S line, 3600' E line

QUADRANGLE: BREESE LONGITUDE: -89.548212 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.556164 DATE COLLECTED: 0 / 0 / 1897

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 354.1 LOG TYPE: Drillers Log

SOURCE: GERMANTOWN COAL TEST WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.8	MODESTO	PIASA	LIMESTONE	6.0	307.2	
125.8	MODESTO		UNCLASSIFIED	4.0	313.2	INTERVAL ABOVE DANVILLE, BELOW PIASA
121.8	CARBONDALE		UNCLASSIFIED	14.5	317.2	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.3	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	331.7	
98.3	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	340.7	
96.3	CARBONDALE		UNCLASSIFIED	2.3	342.7	SHALE ABOVE BRERETON LIMESTONE
94.0	CARBONDALE	BRERETON	LIMESTONE	2.0	345.0	
92.0	CARBONDALE	ANNA	BLACK SHALE	2.0	347.0	
90.0	CARBONDALE	HERRIN	COAL	5.1	349.0	

MAPID: 02700199000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 4 QUARTERS/FOOTAGES: 1400' S line, 3600' E line

QUADRANGLE: BREESE LONGITUDE: -89.548212 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.556164 DATE COLLECTED: 0 / 0 / 1897

SURFACE ELEVATION (FT.): 438.6 LOGGED (FT.): 354.1 LOG TYPE: Drillers Log

SOURCE: GERMANTOWN COAL TEST WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
438.6			SOIL	5.0	0.0	
433.6			CLAY	5.0	5.0	
428.6			SAND	7.0	10.0	
421.6			SAND & GRAVEL	2.0	17.0	
419.6			SAND	2.0	19.0	QUICK
417.6			SAND	5.0	21.0	
412.6			SAND	3.0	26.0	
409.6	MODESTO		BLACK SHALE	4.5	29.0	
405.1	MODESTO		SHALE	2.0	33.5	
403.1	MODESTO		SHALE	1.5	35.5	
401.6	MODESTO		COAL	1.6	37.0	
400.0	MODESTO		UNDERCLAY	0.4	38.6	
399.6	MODESTO		SHALE	73.0	39.0	
326.6	MODESTO		SANDSTONE	2.0	112.0	
324.6	MODESTO		SANDY SHALE	18.0	114.0	
306.6	MODESTO		SANDSTONE	2.0	132.0	
304.6	MODESTO		SANDY SHALE	26.0	134.0	
278.6	MODESTO		SANDSTONE	68.0	160.0	
210.6	MODESTO		SHALE	52.0	228.0	
158.6	MODESTO		SHALE	17.0	280.0	
141.6	MODESTO		BLACK SHALE	1.0	297.0	
140.6	MODESTO		SHALE	8.0	298.0	
132.6	MODESTO	PIASA	LIMESTONE	6.0	306.0	
126.6	MODESTO		SHALE	11.0	312.0	
115.6	CARBONDALE	DANVILLE	BLACK SHALE & COAL	0.5	323.0	
115.1	CARBONDALE		SHALE	12.0	323.5	
103.1	CARBONDALE		LIMESTONE	4.0	335.5	
99.1	CARBONDALE		SHALE	6.3	339.5	
92.8	CARBONDALE	ANNA	BLACK SHALE	2.0	345.8	
90.8	CARBONDALE	HERRIN	COAL	5.1	347.8	
85.7	CARBONDALE		SHALE	1.2	352.9	

MAPID: 02700239000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 5 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: BREESE LONGITUDE: -89.554898 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.559176 DATE COLLECTED: 0 / 0 / 1921

SURFACE ELEVATION (FT.): 439.4 LOGGED (FT.): 516.0 LOG TYPE:

SOURCE: INTRNTL CC WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0	

MAPID: 02700239000C VERSION: 2

PROJECT: NCRDS87

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 5 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: BREESE LONGITUDE: -89.554898 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 38.559176 DATE COLLECTED: 2 / 11 / 1921

SURFACE ELEVATION (FT.): 439.4 LOGGED (FT.): 516.0 LOG TYPE: Drillers Log

SOURCE: INTERNATIONAL COAL & COKE CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
439.4			UNCONSOLIDATED	55.0	0.0
384.4	BOND		SHALE	8.0	55.0
376.4	BOND		SANDSTONE	133.0	63.0
243.4	BOND		DARK SHALE	38.0	196.0
205.4	BOND		SHALE	22.0	234.0
183.4	BOND	CARTHAGE	LIMESTONE	7.0	256.0
176.4	MODESTO		DARK SHALE	4.0	263.0
172.4	MODESTO		COAL	0.7	267.0
171.7	MODESTO		SHALE	19.0	267.7
152.7			LIMESTONE	4.3	286.7
148.4			SHALE	2.9	291.0
145.5			LIMESTONE	1.6	293.9
143.9			BLACK SHALE	1.7	295.5
142.2			COAL	0.7	297.2
141.6			SHALE	102.2	297.8
39.4			SANDSTONE	74.0	400.0
-34.6			SHALE	8.0	474.0
-42.6	CARBONDALE	MECCA QUARRY	BLACK SHALE	4.0	482.0
-46.6	CARBONDALE	COLCHESTER	COAL	2.2	486.0
-48.8			SHALE	4.8	488.2
-53.6			LIMESTONE	5.0	493.0
-58.6			SHALE	3.0	498.0
-61.6			COAL	0.6	501.0
-62.2			SHALE	0.8	501.6
-62.9			COAL	2.8	502.3
-65.8			SHALE	10.8	505.2

MAPID: 02700239000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 5 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: BREESE LONGITUDE: -89.554898 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.559176 DATE COLLECTED: 2 / 11 / 1921

SURFACE ELEVATION (FT.): 439.4 LOGGED (FT.): 516.0 LOG TYPE: Drillers Log

SOURCE: INTERNATIONAL COAL AND COKE CO., #2 WELL TYPE: Coal Test

COMMENT: BEKMAN FARM

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
439.4			UNCONSOLIDATED	55.0	0.0	
384.4	MODESTO		SHALE	8.0	55.0	
376.4	MODESTO		SANDSTONE	133.0	63.0	
243.4	MODESTO		SHALE	38.0	196.0	
205.4	MODESTO		SHALE	10.0	234.0	
195.4	MODESTO		CALCAREOUS SHALE	12.0	244.0	
183.4	MODESTO		LIMESTONE	7.0	256.0	
176.4	MODESTO		SHALE	4.0	263.0	
172.4	MODESTO		COAL	0.7	267.0	
171.7	MODESTO		SHALE	19.0	267.7	
152.7	MODESTO	PIASA	LIMESTONE	4.3	286.7	
148.4	MODESTO		SHALE	2.9	291.0	
145.5	MODESTO		LIMESTONE	1.6	293.9	
143.9	MODESTO		BLACK SHALE	1.7	295.5	
142.2	CARBONDALE	DANVILLE	COAL	0.7	297.2	
141.6	CARBONDALE	ENERGY	SHALE	32.2	297.8	
109.4	CARBONDALE	ENERGY	SANDY SHALE	20.0	330.0	
89.4			COAL	0.0	350.0	WALSHVILLE CHANNEL, NO COAL
89.4			SANDY SHALE	50.0	350.0	WALSHVILLE CHANNEL
39.4			SANDSTONE	74.0	400.0	WALSHVILLE CHANNEL
-34.6	CARBONDALE		SHALE	8.0	474.0	
-42.6	CARBONDALE	MECCA QUARRY	BLACK SHALE	4.0	482.0	
-46.6	CARBONDALE	COLCHESTER	COAL	2.2	486.0	
-48.8	SPOON		SHALE	4.8	488.2	
-53.6	SPOON		LIMESTONE	5.0	493.0	
-58.6	SPOON		SANDY SHALE	3.0	498.0	
-61.6	SPOON	DEKOVEN	COAL	0.6	501.0	
-62.2	SPOON	DEKOVEN	SHALE	0.8	501.6	
-62.9	SPOON	DEKOVEN	COAL	2.8	502.3	
-65.8	SPOON		SHALE	10.8	505.2	

MAPID: 02700240000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 5 **QUARTERS/FOOTAGES:** 375' S line, 1625' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.559208 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.553705 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 439.0 **LOGGED (FT.):** 1090.0 **LOG TYPE:**
SOURCE: GOLDSCHMDT **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0		

MAPID: 02701369000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' N line, 330' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.555231 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.56684 **DATE COLLECTED:** 11 / 0 / 1951
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 346.0 **LOG TYPE:** Electric Log
SOURCE: CONTINENTAL OIL CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.0	MODESTO	PIASA	LIMESTONE	8.0	307.0	
125.0	MODESTO		UNCLASSIFIED	2.0	315.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.0	CARBONDALE		UNCLASSIFIED	13.0	317.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
110.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	330.0	
103.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	336.5	
101.5	CARBONDALE		UNCLASSIFIED	1.0	338.5	SHALE ABOVE BRERETON LIMESTONE
100.5	CARBONDALE	BRERETON	LIMESTONE	1.5	339.5	
99.0	CARBONDALE	ANNA	BLACK SHALE	1.0	341.0	
98.0	CARBONDALE	HERRIN	COAL	4.0	342.0	

MAPID: 02703265000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 6 **QUARTERS/FOOTAGES:** 990' N line, 330' W line of SW
QUADRANGLE: BREESE **LONGITUDE:** -89.592255 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.558285 **DATE COLLECTED:** 5 / 0 / 1966
SURFACE ELEVATION (FT.): 430.0 **LOGGED (FT.):** 250.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
187.0	CARBONDALE	HERRIN	COAL	7.0	243.0	

MAPID: 02703300000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SW
QUADRANGLE: BREESE **LONGITUDE:** -89.587022 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.559993 **DATE COLLECTED:** 5 / 0 / 1966
SURFACE ELEVATION (FT.): 430.0 **LOGGED (FT.):** 247.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
190.0	CARBONDALE	HERRIN	COAL	7.0	240.0

MAPID: 02701783000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 7 **QUARTERS/FOOTAGES:** 90' S line, 2175' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.579435 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.538561 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 398.3 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3302 **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION, DEPTHS CORRECTED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
166.8	MODESTO	PIASA	LIMESTONE	6.9	267.2
159.9	MODESTO		DARK GRAY SHALE	5.0	274.1
154.9	CARBONDALE	DANVILLE	COAL	2.3	279.1
152.6	CARBONDALE		GRAY SHALE	5.2	281.4
147.4	CARBONDALE	LAWSON	SHALE	13.4	286.6
134.0	CARBONDALE	BRERETON	LIMESTONE	0.5	300.0
133.5	CARBONDALE	ENERGY	GRAY SHALE	37.8	300.5

MAPID: 02701783000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 7 **QUARTERS/FOOTAGES:** 90' S line, 2175' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.579435 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.538561 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 423.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3302 **WELL TYPE:** Coal Test
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	6.9	
-	MODESTO		UNCLASSIFIED	2.0	
-	CARBONDALE		UNCLASSIFIED	10.5	
-	CARBONDALE	BANKSTON FORK	LIMESTONE	11.8	
-	CARBONDALE	ANVIL ROCK	SANDSTONE	1.6	
-	CARBONDALE	CONANT	LIMESTONE	0.5	

MAPID: 02701783000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 7 **QUARTERS/FOOTAGES:** 90' S line, 2175' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.579435 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.538561 **DATE COLLECTED:** 0 / 0 / 1958
SURFACE ELEVATION (FT.): 433.6 **LOGGED (FT.):** 342.5 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3302 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
154.5	SHELburn	DANVILLE	COAL	2.3	279.1	
-	CARBONDALE	HERRIN	COAL	-		COAL MISSING

MAPID: 02703298000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NE
QUADRANGLE: BREESE **LONGITUDE:** -89.578701 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.552387 **DATE COLLECTED:** 11 / 0 / 1966
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 260.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.0	CARBONDALE	HERRIN	COAL	5.0	255.0	

MAPID: 02703321000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE
QUADRANGLE: BREESE **LONGITUDE:** -89.581338 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.539266 **DATE COLLECTED:** 4 / 0 / 1967
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 306.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.0	CARBONDALE	HERRIN	COAL	6.0	300.0	

MAPID: 02703323000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW NW
QUADRANGLE: BREESE **LONGITUDE:** -89.589136 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.546952 **DATE COLLECTED:** 4 / 0 / 1967
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 245.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
195.0	CARBONDALE	HERRIN	COAL	5.0	240.0

MAPID: 02700270000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 8 **QUARTERS/FOOTAGES:** 575' S line, 3425' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.559783 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.539528 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 425.9 **LOGGED (FT.):** 350.0 **LOG TYPE:**
SOURCE: GOLDSCHMDT **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0	

MAPID: 02701778000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 8 **QUARTERS/FOOTAGES:** 27' S line, 1114' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.56786 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.538152 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 324.5 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3237 **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION, DEPTHS CORRECTED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
178.9	MODESTO	PIASA	LIMESTONE	10.2	257.1
168.7	CARBONDALE	LAWSON	DARK GRAY SHALE	3.5	267.3
165.2	CARBONDALE	LAWSON	GRAY SHALE	4.9	270.8
160.3	CARBONDALE	BRERETON	LIMESTONE	0.6	275.7
159.7	CARBONDALE	ENERGY	GRAY SHALE	20.0	276.3

MAPID: 02701778000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 8 **QUARTERS/FOOTAGES:** 27' S line, 1114' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.56786 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.538152 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3237 **WELL TYPE:** Coal Test
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	10.2	
-	MODESTO		UNCLASSIFIED	3.5	
-	CARBONDALE		UNCLASSIFIED	5.5	

MAPID: 02701778000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 8 **QUARTERS/FOOTAGES:** 27' S line, 1114' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.56786 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.538152 **DATE COLLECTED:** 0 / 0 / 1958
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 392.1 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3237 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	-	COAL MISSING

MAPID: 02701860000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 9 **QUARTERS/FOOTAGES:** 2590' S line, 60' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.553182 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.544973 **DATE COLLECTED:** 11 / 0 / 1945
SURFACE ELEVATION (FT.): 429.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Structure Test
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	8.5	
-	MODESTO		UNCLASSIFIED	1.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	5.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	
-	CARBONDALE		UNCLASSIFIED	3.0	SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	4.0	

MAPID: 02701860000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 9 **QUARTERS/FOOTAGES:** 2590' S line, 60' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.553182 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.544973 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 429.0 **LOGGED (FT.):** 302.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.0	MODESTO	PIASA	LIMESTONE	10.0	224.0	
195.0	CARBONDALE		SHALE	8.0	234.0	
187.0	CARBONDALE	LAWSON	SHALE	30.0	242.0	

MAPID: 02701601000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NW
QUADRANGLE: BREESE **LONGITUDE:** -89.529556 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.547179 **DATE COLLECTED:** 11 / 0 / 1957
SURFACE ELEVATION (FT.): 414.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Structure Test
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	3.5		
-	MODESTO		UNCLASSIFIED	2.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	11.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5		
-	CARBONDALE		UNCLASSIFIED	1.0		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	2.5		

MAPID: 02701900000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW SE
QUADRANGLE: BREESE **LONGITUDE:** -89.524696 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.541518 **DATE COLLECTED:** 12 / 0 / 1961
SURFACE ELEVATION (FT.): 416.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: DONNEWALD, JAMES H. **WELL TYPE:** Dry Hole
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	4.0		
-	MODESTO		UNCLASSIFIED	2.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	8.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0		

MAPID: 0270137000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.499214 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.546051 DATE COLLECTED: 8 / 0 / 1954

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 376.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.0	MODESTO	PIASA	LIMESTONE	5.0	321.0	
118.0	MODESTO		UNCLASSIFIED	5.0	326.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
113.0	CARBONDALE		UNCLASSIFIED	15.0	331.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
98.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	346.0	
89.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	354.5	
86.5	CARBONDALE		UNCLASSIFIED	2.5	357.5	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	6.0	360.0	
78.0	CARBONDALE	ANNA	BLACK SHALE	4.0	366.0	
74.0	CARBONDALE	HERRIN	COAL	6.0	370.0	

MAPID: 02701667000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW

QUADRANGLE: BREESE LONGITUDE: -89.510709 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.54298 DATE COLLECTED: 11 / 0 / 1958

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: MARATHON OIL COMPANY WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	7.0		
-	MODESTO		UNCLASSIFIED	4.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	1.0		
-	CARBONDALE		UNCLASSIFIED	10.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0		
-	CARBONDALE		UNCLASSIFIED	1.0		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	2.5		

MAPID: 02701684000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NW

QUADRANGLE: BREESE LONGITUDE: -89.510781 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.550299 DATE COLLECTED: 1 / 0 / 1959

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.0	MODESTO	PIASA	UNCLASSIFIED	-	285.0	
88.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	332.0	
80.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	340.0	POSSIBLE COAL HORIZON
30.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	390.0	
-30.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	450.0	

MAPID: 02701684000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NW

QUADRANGLE: BREESE LONGITUDE: -89.510781 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.550299 DATE COLLECTED: 1 / 0 / 1959

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 337.5 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	MODESTO	PIASA	LIMESTONE	5.5	286.0	
128.5	MODESTO		UNCLASSIFIED	7.0	291.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
121.5	CARBONDALE		UNCLASSIFIED	14.5	298.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	313.0	
100.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	320.0	
97.0	CARBONDALE		UNCLASSIFIED	2.0	323.0	SHALE ABOVE BRERETON LIMESTONE
95.0	CARBONDALE	BRERETON	LIMESTONE	4.5	325.0	
90.5	CARBONDALE	ANNA	BLACK SHALE	3.5	329.5	
87.0	CARBONDALE	HERRIN	COAL	4.5	333.0	

MAPID: 02701859000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 11 QUARTERS/FOOTAGES: 50' S line, 50' W line of SE SW

QUADRANGLE: BREESE LONGITUDE: -89.511633 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.536746 DATE COLLECTED: 11 / 0 / 1945

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Structure Test

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	8.0		
-	MODESTO		UNCLASSIFIED	2.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	2.0		
-	CARBONDALE		UNCLASSIFIED	6.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0		
-	CARBONDALE		UNCLASSIFIED	4.0		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	4.5		
-	CARBONDALE	ANNA	BLACK SHALE	4.5		

MAPID: 02700200000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 12 QUARTERS/FOOTAGES: 150' S line, 4050' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.493795 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.536623 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 443.4 LOGGED (FT.): 1264.0 LOG TYPE:

SOURCE: SNOWDEN BU WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
35.4	CARBONDALE	HERRIN	COAL	2.0	408.0	

MAPID: 02701640000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.489959 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.540808 DATE COLLECTED: 5 / 0 / 1958

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 416.5 LOG TYPE: Drillers Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.8	MODESTO	PIASA	LIMESTONE	5.8	353.2	
119.0	MODESTO		UNCLASSIFIED	5.0	359.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.0	CARBONDALE		UNCLASSIFIED	20.0	364.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
94.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	11.0	384.0	
83.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	395.0	
80.0	CARBONDALE		UNCLASSIFIED	2.0	398.0	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	BRERETON	LIMESTONE	4.0	400.0	
74.0	CARBONDALE	ANNA	BLACK SHALE	6.0	404.0	
68.0	CARBONDALE	HERRIN	COAL	6.5	410.0	

MAPID: 02701810000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.489976 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.548024 DATE COLLECTED: 8 / 0 / 1960

SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.0	CARBONDALE	HERRIN	COAL	9.0	425.0	

MAPID: 02701371000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 13 QUARTERS/FOOTAGES: 400' S line, 330' E line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.480626 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.53023 DATE COLLECTED: 1 / 0 / 1947

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 362.0 LOG TYPE: Electric Log

SOURCE: MOSEBACK PAUL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
127.5	MODESTO	PIASA	LIMESTONE	9.0	310.5	
118.5	MODESTO		UNCLASSIFIED	2.5	319.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.0	CARBONDALE		UNCLASSIFIED	12.0	322.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
104.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	334.0	
94.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	344.0	
92.0	CARBONDALE		UNCLASSIFIED	2.0	346.0	SHALE ABOVE BRERETON LIMESTONE
90.0	CARBONDALE	BRERETON	LIMESTONE	7.0	348.0	
83.0	CARBONDALE	ANNA	BLACK SHALE	2.0	355.0	
81.0	CARBONDALE	HERRIN	COAL	5.0	357.0	

MAPID: 02701812000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.485244 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.529971 DATE COLLECTED: 8 / 0 / 1960

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 355.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
93.0	CARBONDALE	HERRIN	COAL	5.0	350.0	

MAPID: 02701832000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.489915 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.53355 DATE COLLECTED: 9 / 0 / 1960

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 350.0 LOG TYPE: Drillers Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.0	MODESTO	PIASA	LIMESTONE	4.5	313.0	
134.5	MODESTO		UNCLASSIFIED	5.5	317.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
129.0	CARBONDALE		UNCLASSIFIED	12.0	323.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
117.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	335.0	
111.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	341.0	
109.0	CARBONDALE		UNCLASSIFIED	2.0	343.0	SHALE ABOVE BRERETON LIMESTONE
107.0	CARBONDALE	BRERETON	LIMESTONE	2.0	345.0	
105.0	CARBONDALE	ANNA	BLACK SHALE	1.0	347.0	
104.0	CARBONDALE	HERRIN	COAL	2.0	348.0	

MAPID: 02701847000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487526 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.528116 DATE COLLECTED: 12 / 0 / 1960

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 342.5 LOG TYPE: Electric Log

SOURCE: WEBSTER DENZIL V WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.0	MODESTO	PIASA	LIMESTONE	10.0	299.0	
122.0	MODESTO		UNCLASSIFIED	2.0	309.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
120.0	CARBONDALE		UNCLASSIFIED	12.0	311.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
108.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	323.0	
102.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	329.0	
100.0	CARBONDALE		UNCLASSIFIED	2.0	331.0	SHALE ABOVE BRERETON LIMESTONE
98.0	CARBONDALE	BRERETON	LIMESTONE	3.0	333.0	
95.0	CARBONDALE	ANNA	BLACK SHALE	5.0	336.0	
90.0	CARBONDALE	HERRIN	COAL	1.5	341.0	

MAPID: 02702543000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.482976 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.533673 **DATE COLLECTED:** 2 / 0 / 1953
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 385.0 **LOG TYPE:** Electric Log
SOURCE: SCHIERMANN & IMMING **WELL TYPE:** Producer-Oil
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.0	CARBONDALE	HERRIN	COAL	5.0	380.0	

MAPID: 02702546000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.487571 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.531771 **DATE COLLECTED:** 1 / 0 / 1953
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 350.0 **LOG TYPE:** Electric Log
SOURCE: SCHOENDIENST PAUL **WELL TYPE:** Plugged and/or Abandoned
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.0	CARBONDALE	HERRIN	COAL	5.0	345.0	

MAPID: 02724565000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 13 **QUARTERS/FOOTAGES:** 1320' N line, 1320' E line of NE NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.484143 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.532765 **DATE COLLECTED:** 7 / 28 / 1976
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 399.1 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 16380C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.1	380.1	SPLIT WITH 3.2' SHALES
-	CARBONDALE	HERRIN	SHALE	3.2	387.2	
-	CARBONDALE	HERRIN	COAL	1.1	390.4	

MAPID: 02701372000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.499053 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.524379 DATE COLLECTED: 7 / 0 / 1953
 SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	5.5	
-	MODESTO		UNCLASSIFIED	2.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	6.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	

MAPID: 02701373000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 14 QUARTERS/FOOTAGES: 690' N line, 330' W line of SW NE
 QUADRANGLE: BREESE LONGITUDE: -89.505988 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.530872 DATE COLLECTED: 1 / 0 / 1954
 SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: SCHIERMANN & IMMING WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	7.5	
-	MODESTO		UNCLASSIFIED	4.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	9.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE

MAPID: 02701858000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 14 QUARTERS/FOOTAGES: 160' N line, 50' E line of NE SW
 QUADRANGLE: BREESE LONGITUDE: -89.507295 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.528749 DATE COLLECTED: 12 / 0 / 1945
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Structure Test
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	9.0	
-	MODESTO		UNCLASSIFIED	2.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	5.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	
-	CARBONDALE		UNCLASSIFIED	2.0	SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	3.0	

MAPID: 02701374000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NE

QUADRANGLE: BREESE LONGITUDE: -89.519904 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.535922 DATE COLLECTED: 3 / 0 / 1943

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: DERBY OIL & GAS CORP. WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
-	MODESTO	PIASA	LIMESTONE	8.0	
-	MODESTO		UNCLASSIFIED	1.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	4.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	
-	CARBONDALE		UNCLASSIFIED	4.5	SHALE ABOVE BRERETON LIMESTONE

MAPID: 02701889000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: BREESE LONGITUDE: -89.519796 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.528645 DATE COLLECTED: 11 / 0 / 1961

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: DONNEWALD, JAMES H. WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
-	MODESTO	PIASA	LIMESTONE	10.0	
-	MODESTO		UNCLASSIFIED	1.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	7.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	

MAPID: 02701896000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 15 QUARTERS/FOOTAGES: 990' N line, 990' W line

QUADRANGLE: BREESE LONGITUDE: -89.531562 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.534283 DATE COLLECTED: 11 / 0 / 1961

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: DONNEWALD, JAMES H. WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
-	MODESTO	PIASA	LIMESTONE	6.0	
-	MODESTO		UNCLASSIFIED	3.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	6.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	

MAPID: 02701896000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 15 QUARTERS/FOOTAGES: 990' N line, 990' W line

QUADRANGLE: BREESE LONGITUDE: -89.531562 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.534283 DATE COLLECTED:

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 301.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
212.0	MODESTO	PIASA	LIMESTONE	8.0	224.0	
204.0	CARBONDALE		SHALE	9.0	232.0	
195.0	CARBONDALE	LAWSON	SILTY SHALE	30.0	241.0	

MAPID: 02701375000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 16 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: BREESE LONGITUDE: -89.543092 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.531027 DATE COLLECTED: 6 / 0 / 1946

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	6.0		
-	MODESTO		UNCLASSIFIED	2.5		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	10.5		INTERVAL ABOVE BANKSTON, BELOW DANVILLE

MAPID: 02701375000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 16 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: BREESE LONGITUDE: -89.543092 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.531027 DATE COLLECTED:

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 277.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
214.0	MODESTO	PIASA	LIMESTONE	7.5	200.0	
207.0	CARBONDALE		SHALE & SANDSTONE	10.0	207.0	
197.0	CARBONDALE	LAWSON	SANDSTONE	30.0	217.0	

MAPID: 02701375000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 16 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: BREESE LONGITUDE: -89.543092 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.531027 DATE COLLECTED: 6 / 0 / 1946

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 9999.9 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
214.0	MODESTO	PIASA	UNCLASSIFIED	-	200.0	
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0		WALSHVILLE CHANNEL
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		WALSHVILLE CHANNEL
-	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	0.0		WALSHVILLE CHANNEL
-	CARBONDALE	COLCHESTER	UNCLASSIFIED	0.0		WALSHVILLE CHANNEL

MAPID: 02701857000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 17 QUARTERS/FOOTAGES: 40' S line, 50' W line

QUADRANGLE: BREESE LONGITUDE: -89.571466 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.523628 DATE COLLECTED: 10 / 0 / 1945

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 365.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	MODESTO	PIASA	LIMESTONE	9.0	310.0	
110.0	MODESTO		UNCLASSIFIED	3.0	319.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
107.0	CARBONDALE		UNCLASSIFIED	16.0	322.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	338.0	
85.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	343.5	
83.0	CARBONDALE		UNCLASSIFIED	2.0	346.0	SHALE ABOVE BRERETON LIMESTONE
81.0	CARBONDALE	BRERETON	LIMESTONE	7.0	348.0	
74.0	CARBONDALE	ANNA	BLACK SHALE	3.0	355.0	
71.0	CARBONDALE	HERRIN	COAL	7.0	358.0	

MAPID: 02701780000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 18 QUARTERS/FOOTAGES: 42' S line, 889' E line

QUADRANGLE: BREESE LONGITUDE: -89.574766

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.523722

DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 354.8

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3239

WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
113.5	MODESTO	PIASA	LIMESTONE	8.9	306.5
104.6	MODESTO		GRAY SHALE	1.3	315.4
103.3	CARBONDALE	DANVILLE	COAL	3.2	316.7
100.0	CARBONDALE		GRAY SHALE	8.1	320.0
92.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.8	328.0
86.2	CARBONDALE	LAWSON	GRAY SHALE	3.0	333.8
83.2	CARBONDALE	BRERETON	LIMESTONE	6.0	336.8
77.3	CARBONDALE	ANNA	BLACK SHALE	3.3	342.7
74.0	CARBONDALE	HERRIN	COAL	8.8	346.0

MAPID: 02701780000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 18 QUARTERS/FOOTAGES: 42' S line, 889' E line

QUADRANGLE: BREESE LONGITUDE: -89.574766

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.523722

DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 354.8

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3239

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
113.5	MODESTO	PIASA	LIMESTONE	8.9	306.5
104.6	MODESTO		UNCLASSIFIED	0.8	315.4
103.8	CARBONDALE		UNCLASSIFIED	11.9	316.2
91.9	CARBONDALE	BANKSTON FORK	LIMESTONE	5.8	328.1
86.1	CARBONDALE	ANVIL ROCK	SANDSTONE	2.9	333.9
83.2	CARBONDALE	CONANT	LIMESTONE	1.9	336.8
81.3	CARBONDALE		SHALE	1.0	338.7
80.3	CARBONDALE	BRERETON	LIMESTONE	3.0	339.7
77.3	CARBONDALE	ANNA	BLACK SHALE	3.3	342.7
74.0	CARBONDALE	HERRIN	COAL	8.8	346.0

MAPID: 0270178000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 18 **QUARTERS/FOOTAGES:** 42' S line, 889' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.574766 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.523722 **DATE COLLECTED:** 0 / 0 / 1958
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 355.8 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3239 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.5	SHELburn	DANVILLE	COAL	3.2	316.5	
74.2	CARBONDALE	HERRIN	COAL	8.8	345.8	

MAPID: 02701784000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 19 **QUARTERS/FOOTAGES:** 15' S line, 1420' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.57675 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.509092 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 406.0 **LOGGED (FT.):** 316.2 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3303 **WELL TYPE:** Coal Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
142.0	MODESTO	PIASA	LIMESTONE	9.5	264.0	
132.5	MODESTO		GRAY SHALE	2.0	273.5	
130.5	CARBONDALE	DANVILLE	COAL	2.5	275.5	
128.0	CARBONDALE		CLAYSTONE	1.5	278.0	
126.5	CARBONDALE		GRAY SHALE	5.0	279.5	
121.5	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	284.5	UPPER BENCH
117.5	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.0	288.5	SHALE PARTING
113.5	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	8.0	292.5	
105.5	CARBONDALE	LAWSON	GRAY SHALE	4.0	300.5	
101.5	CARBONDALE	BRERETON	LIMESTONE	0.5	304.5	
101.0	CARBONDALE	ANNA	BLACK SHALE	3.0	305.0	
98.0	CARBONDALE	HERRIN	COAL	8.2	308.0	

MAPID: 02701784000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 19 QUARTERS/FOOTAGES: 15' S line, 1420' E line
 QUADRANGLE: BREESE LONGITUDE: -89.57675 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.509092 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 406.0 LOGGED (FT.): 310.1 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3303 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
143.6	MODESTO	PIASA	LIMESTONE	7.1	262.4
136.5	MODESTO		UNCLASSIFIED	1.7	269.5
134.8	CARBONDALE		UNCLASSIFIED	13.0	271.2
121.8	CARBONDALE	BANKSTON FORK	LIMESTONE	3.1	284.2
118.7	CARBONDALE	ANVIL ROCK	SANDSTONE	5.3	287.3
113.4	CARBONDALE	CONANT	LIMESTONE	3.1	292.6
110.3	CARBONDALE		SHALE	2.0	295.7
108.3	CARBONDALE	BRERETON	LIMESTONE	4.0	297.7
104.3	CARBONDALE	ANNA	BLACK SHALE	1.3	301.7
103.0	CARBONDALE	HERRIN	COAL	7.1	303.0

MAPID: 02701784000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 19 QUARTERS/FOOTAGES: 15' S line, 1420' E line
 QUADRANGLE: BREESE LONGITUDE: -89.57675 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.509092 DATE COLLECTED: 0 / 0 / 1958
 SURFACE ELEVATION (FT.): 406.5 LOGGED (FT.): 310.8 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3303 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
132.5	SHELburn	DANVILLE	COAL	2.7	274.0
103.7	CARBONDALE	HERRIN	COAL	7.1	302.8

MAPID: 02703322000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW
 QUADRANGLE: BREESE LONGITUDE: -89.586676 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.517533 DATE COLLECTED: 3 / 0 / 1967
 SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 335.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
99.0	CARBONDALE	HERRIN	COAL	5.0	330.0

MAPID: 02704128000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 19 QUARTERS/FOOTAGES: 2050' S line, 1530' W line of SW SW
 QUADRANGLE: BREESE LONGITUDE: -89.587857 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.515003 DATE COLLECTED: 11 / 1 / 1972
 SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 423.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY 7B-657 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
148.0	SHELburn	DANVILLE	COAL	2.5	284.0	
123.5	CARBONDALE	HERRIN	COAL	8.2	308.5	
41.2	CARBONDALE	HOUCHIN CREEK	COAL	2.7	390.8	

MAPID: 02703157000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE
 QUADRANGLE: BREESE LONGITUDE: -89.556489 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.520522 DATE COLLECTED: 8 / 0 / 1964
 SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 348.5 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.0	MODESTO	PIASA	LIMESTONE	7.0	301.0	
104.0	MODESTO		UNCLASSIFIED	3.5	308.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.5	CARBONDALE	DANVILLE	COAL	1.5	311.5	
99.0	CARBONDALE		UNCLASSIFIED	11.0	313.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
88.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	324.0	
82.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	330.0	
80.0	CARBONDALE		UNCLASSIFIED	2.0	332.0	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	BRERETON	LIMESTONE	4.0	334.0	
74.0	CARBONDALE	HERRIN	COAL	10.5	338.0	

MAPID: 02701844000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE SE

QUADRANGLE: BREESE LONGITUDE: -89.535712 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.510691 DATE COLLECTED: 1 / 0 / 1961

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 702.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
147.0	MODESTO	PIASA	UNCLASSIFIED	-	270.0	
85.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	332.0	COAL SPLIT
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO IDENTIFIABLE COAL HORIZON
-33.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	450.0	
-285.0	BASE OF PENN.		UNCLASSIFIED	-	702.0	

MAPID: 02701844000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE SE

QUADRANGLE: BREESE LONGITUDE: -89.535712 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.510691 DATE COLLECTED: 1 / 0 / 1961

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 340.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.1	MODESTO	PIASA	LIMESTONE	7.0	293.9	
116.1	MODESTO		UNCLASSIFIED	5.0	300.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
111.1	CARBONDALE	DANVILLE	COAL	2.0	305.9	
109.1	CARBONDALE		UNCLASSIFIED	10.0	307.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	317.9	
91.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.3	325.4	
90.3	CARBONDALE		UNCLASSIFIED	1.3	326.7	SHALE ABOVE BRERETON LIMESTONE
89.0	CARBONDALE	BRERETON	LIMESTONE	4.0	328.0	
85.0	CARBONDALE	HERRIN	COAL	8.0	332.0	

MAPID: 02700326000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 22 QUARTERS/FOOTAGES: 1440' S line, 170' W line

QUADRANGLE: BREESE LONGITUDE: -89.53398 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.511878 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 452.8 LOGGED (FT.): 1030.0 LOG TYPE:

SOURCE: GROSS ETAL WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
130.8	CARBONDALE	HERRIN	COAL	7.0	322.0	

MAPID: 02701432000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE
 QUADRANGLE: BREESE LONGITUDE: -89.524302 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.517814 DATE COLLECTED: 11 / 0 / 1956
 SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	7.5		
-	MODESTO		UNCLASSIFIED	2.5		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	6.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE

MAPID: 02701545000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 22 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE
 QUADRANGLE: BREESE LONGITUDE: -89.524215 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.508703 DATE COLLECTED: 10 / 0 / 1956
 SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	7.0		
-	MODESTO		UNCLASSIFIED	2.5		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	6.5		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0		

MAPID: 02701787000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 22 QUARTERS/FOOTAGES: 511' N line, 184' W line
 QUADRANGLE: BREESE LONGITUDE: -89.534122 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.521146 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 300.1 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3621 WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION, DEPTHS CORRECTED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
209.8	MODESTO	PIASA	LIMESTONE	5.9	228.2	
203.9	MODESTO		SILTY SHALE	6.2	234.1	
197.7	CARBONDALE	LAWSON	SILTY SHALE	10.1	240.3	
187.6	CARBONDALE	LAWSON	SANDSTONE	19.9	250.4	

MAPID: 02701787000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 22 **QUARTERS/FOOTAGES:** 511' N line, 184' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.534122 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.521146 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 438.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3621 **WELL TYPE:** Coal Test
COMMENT:

MAPID: 02701787000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 22 **QUARTERS/FOOTAGES:** 511' N line, 184' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.534122 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.521146 **DATE COLLECTED:** 0 / 0 / 1959
SURFACE ELEVATION (FT.): 438.3 **LOGGED (FT.):** 374.5 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3621 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	-	COAL MISSING

MAPID: 02701595000C **VERSION:** 1 **PROJECT:** IDMM-GWQX
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 23 **QUARTERS/FOOTAGES:** 330' S line, 330' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.515079 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.5086 **DATE COLLECTED:** 10 / 0 / 1957
SURFACE ELEVATION (FT.): 411.0 **LOGGED (FT.):** 650.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Producer-Oil
COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
181.0	MODESTO	PIASA	UNCLASSIFIED	-	230.0
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0	WALSHVILLE CHANNEL
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	WALSHVILLE CHANNEL
7.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	404.0
-50.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	461.0
-239.0	BASE OF PENN.		UNCLASSIFIED	-	650.0

MAPID: 02701595000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: BREESE LONGITUDE: -89.515079 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.5086 DATE COLLECTED: 10 / 0 / 1957
 SURFACE ELEVATION (FT.): 411.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	8.0		
-	MODESTO		UNCLASSIFIED	2.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	3.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0		

MAPID: 02701772000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 23 QUARTERS/FOOTAGES: 990' N line, 2310' E line
 QUADRANGLE: BREESE LONGITUDE: -89.50591 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.519152 DATE COLLECTED: 12 / 0 / 1959
 SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: KEWANEE OIL & GAS WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	7.5		
-	MODESTO		UNCLASSIFIED	3.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	6.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0		

MAPID: 02703654000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 24 QUARTERS/FOOTAGES: 0' S line, 0' E line of SE SE NW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.488449 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.514525 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 421.5 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 8501 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
206.1			COAL WITH SHALE	0.4	208.9	
103.1			COAL	1.8	311.9	UPPER BENCH OF NO.6 COAL
80.8	CARBONDALE	HERRIN	COAL	3.0	334.2	
60.5	CARBONDALE	BRIAR HILL	COAL	0.6	354.5	
8.5	CARBONDALE	SPRINGFIELD	COAL	2.4	406.5	

MAPID: 02703654000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 24 QUARTERS/FOOTAGES: 0' S line, 0' E line of SE SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.488449 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.514525 DATE COLLECTED:

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 337.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8501 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
94.8	MODESTO	PIASA	LIMESTONE	7.3	320.2
87.5	MODESTO		UNCLASSIFIED	1.7	327.5
85.8	CARBONDALE		UNCLASSIFIED	4.8	329.2
81.0	CARBONDALE	HERRIN	COAL	3.0	334.0

MAPID: 02703666000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 24 QUARTERS/FOOTAGES: 2640' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.480391 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.514488 DATE COLLECTED:

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 342.5 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8502C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN COMMENT	
116.5	MODESTO	PIASA	LIMESTONE	7.1	298.5	
109.4	MODESTO		GRAY SHALE	3.8	305.6	
105.6	CARBONDALE	DANVILLE	CARBONACEOUS SHALE	1.2	309.4	
104.4	CARBONDALE		GRAY SHALE	4.6	310.6	
99.8	CARBONDALE	GALUM	LIMESTONE	1.9	315.2	
97.9	CARBONDALE		CALCAREOUS SHALE	3.5	317.1	
94.4	CARBONDALE	BANKSTON FORK	LIMESTONE	5.8	320.6	UPPER BENCH
88.6	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.4	326.4	SHALE PARTING
88.2	CARBONDALE	BANKSTON FORK	LIMESTONE	1.4	326.8	LOWER BENCH
86.8	CARBONDALE	LAWSON	GRAY SHALE	0.2	328.2	
86.6	CARBONDALE	LAWSON	DARK GRAY SHALE	1.8	328.4	
84.9	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	0.5	330.1	
84.4	CARBONDALE	JAMESTOWN	DARK GRAY SHALE	0.5	330.6	
83.9	CARBONDALE		CARBONACEOUS LIMESTONE	1.3	331.1	
82.6	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	2.1	332.4	
80.5	CARBONDALE	ANNA	BLACK SHALE	1.5	334.5	
79.0	CARBONDALE	HERRIN	COAL	6.5	336.0	

MAPID: 02703666000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 24 QUARTERS/FOOTAGES: 2640' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.480391 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.514488 DATE COLLECTED:

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 343.5 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8502C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
115.5	MODESTO	PIASA	LIMESTONE	7.1	299.5
108.4	MODESTO		UNCLASSIFIED	1.3	306.6
107.1	CARBONDALE		UNCLASSIFIED	8.3	307.9
98.8	CARBONDALE	BANKSTON FORK	LIMESTONE	9.2	316.2
89.6	CARBONDALE	ANVIL ROCK	SANDSTONE	2.4	325.4
87.2	CARBONDALE	CONANT	LIMESTONE	1.6	327.8
85.6	CARBONDALE		SHALE	2.7	329.4
82.9	CARBONDALE	BRERETON	LIMESTONE	3.4	332.1
79.5	CARBONDALE	ANNA	BLACK SHALE	1.5	335.5
78.0	CARBONDALE	HERRIN	COAL	6.5	337.0

MAPID: 02703666000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 24 QUARTERS/FOOTAGES: 2640' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.480391 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.514488 DATE COLLECTED: 8 / 29 / 1968

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 346.2 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8502C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
78.5	CARBONDALE	HERRIN	COAL	6.5	336.5

MAPID: 02701247000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: OKAWVILLE LONGITUDE: -89.521724 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.499651 DATE COLLECTED: 6 / 0 / 1956

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	6.5		
-	MODESTO		UNCLASSIFIED	4.5		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	8.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0		

MAPID: 02701788000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 28 QUARTERS/FOOTAGES: 67' S line, 60' W line of SW SW SE

QUADRANGLE: OKAWVILLE LONGITUDE: -89.5432 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.494151 DATE COLLECTED: 0 / 0 / 1959

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 298.8 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3622 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
160.6	SHELburn	DANVILLE	COAL	1.0	249.4	
122.3	CARBONDALE	HERRIN	COAL	8.3	287.7	

MAPID: 02701788000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 28 QUARTERS/FOOTAGES: 67' S line, 60' W line of SW SW SE

QUADRANGLE: OKAWVILLE LONGITUDE: -89.5432 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.494151 DATE COLLECTED:

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 296.3 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3622 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
174.6	MODESTO	PIASA	LIMESTONE	4.7	235.4
169.9	MODESTO		UNCLASSIFIED	3.5	240.1
166.4	CARBONDALE		UNCLASSIFIED	12.7	243.6
153.7	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	256.3
144.7	CARBONDALE	ANVIL ROCK	SANDSTONE	5.0	265.3
139.7	CARBONDALE	CONANT	LIMESTONE	4.0	270.3
135.7	CARBONDALE		SHALE	5.0	274.3
130.7	CARBONDALE	BRERETON	LIMESTONE	4.7	279.3
126.0	CARBONDALE	ANNA	BLACK SHALE	4.0	284.0
122.0	CARBONDALE	HERRIN	COAL	8.3	288.0

MAPID: 02703328000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: OKAWVILLE LONGITUDE: -89.544708 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.500213 DATE COLLECTED: 5 / 0 / 1967

SURFACE ELEVATION (FT.): 408.0 LOGGED (FT.): 295.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
118.0	CARBONDALE	HERRIN	COAL	5.0	290.0

MAPID: 02703651000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 28 QUARTERS/FOOTAGES: 990' N line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.552918

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.505764

DATE COLLECTED:

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 299.7

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8353C

WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
159.4	MODESTO	PIASA	LIMESTONE	11.1	250.6
148.3	CARBONDALE		GRAY SHALE	10.1	261.7
138.2	CARBONDALE	BANKSTON FORK	LIMESTONE	7.8	271.8
130.4	CARBONDALE	LAWSON	DARK GRAY SHALE	5.2	279.6
125.2	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	7.7	284.8
117.6	CARBONDALE	ANNA	BLACK SHALE	0.6	292.4
117.0	CARBONDALE	HERRIN	COAL	6.7	293.0

MAPID: 02703651000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 28 QUARTERS/FOOTAGES: 990' N line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.552918

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.505764

DATE COLLECTED:

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 300.8

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8353C

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
162.4	MODESTO	PIASA	LIMESTONE	11.1	247.6
151.3	MODESTO		UNCLASSIFIED	2.6	258.7
148.7	CARBONDALE		UNCLASSIFIED	7.5	261.3
141.2	CARBONDALE	BANKSTON FORK	LIMESTONE	7.8	268.8
133.4	CARBONDALE	ANVIL ROCK	SANDSTONE	5.2	276.6
128.2	CARBONDALE	CONANT	LIMESTONE	3.8	281.8
124.4	CARBONDALE		SHALE	2.0	285.6
122.4	CARBONDALE	BRERETON	LIMESTONE	5.7	287.6
116.7	CARBONDALE	ANNA	BLACK SHALE	0.7	293.3
116.0	CARBONDALE	HERRIN	COAL	6.8	294.0

MAPID: 02703651000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 28 **QUARTERS/FOOTAGES:** 990' N line, 0' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.552918 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.505764 **DATE COLLECTED:** 1 / 15 / 1969
SURFACE ELEVATION (FT.): 410.0 **LOGGED (FT.):** 302.1 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8353C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.5	CARBONDALE	HERRIN	COAL	6.7	293.5	

MAPID: 02701746000C **VERSION:** 1 **PROJECT:** IDMM-GWQX
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' N line, 800' W line of NE
QUADRANGLE: BREESE **LONGITUDE:** -89.559529 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.507735 **DATE COLLECTED:** 8 / 0 / 1959
SURFACE ELEVATION (FT.): 410.0 **LOGGED (FT.):** 680.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Producer-Oil
COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
157.0	MODESTO	PIASA	UNCLASSIFIED	-	253.0	
107.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	303.0	
91.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	319.0	UNCERTAIN CORRELATION
25.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	385.0	
-30.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	440.0	
-270.0	BASE OF PENN.		UNCLASSIFIED	-	680.0	

MAPID: 02701746000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 800' W line of NE

QUADRANGLE: BREESE LONGITUDE: -89.559529 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.507735 DATE COLLECTED: 8 / 0 / 1959

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 309.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
158.0	MODESTO	PIASA	LIMESTONE	13.0	252.0	
145.0	MODESTO		UNCLASSIFIED	5.0	265.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
140.0	CARBONDALE	DANVILLE	COAL	2.0	270.0	
138.0	CARBONDALE		UNCLASSIFIED	10.0	272.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
128.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	282.0	
124.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	286.0	
119.5	CARBONDALE		UNCLASSIFIED	4.5	290.5	SHALE ABOVE BRERETON LIMESTONE
115.0	CARBONDALE	BRERETON	LIMESTONE	4.5	295.0	
110.5	CARBONDALE	ANNA	BLACK SHALE	2.5	299.5	
108.0	CARBONDALE	HERRIN	COAL	7.0	302.0	

MAPID: 02703776000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 29 QUARTERS/FOOTAGES: 1650' N line, 1320' W line

QUADRANGLE: BREESE LONGITUDE: -89.566967 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.504258 DATE COLLECTED:

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 322.7 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9015C WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.8	MODESTO	PIASA	LIMESTONE	9.4	274.2	
126.4	MODESTO		DARK GRAY SHALE	1.6	283.6	
124.8	CARBONDALE	DANVILLE	COAL	2.9	285.2	
121.9	CARBONDALE		CLAYSTONE	1.5	288.1	
120.4	CARBONDALE		CALCAREOUS SHALE	6.1	289.6	
114.3	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	295.7	
111.3	CARBONDALE	LAWSON	GRAY SHALE	4.1	298.7	
107.2	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	0.6	302.8	
106.6	CARBONDALE	JAMESTOWN	BONE COAL	0.8	303.4	
105.8	CARBONDALE		DARK GRAY SHALE	7.2	304.2	
98.6	CARBONDALE	BRERETON	LIMESTONE	3.4	311.4	
95.2	CARBONDALE	ANNA	DARK GRAY SHALE	0.3	314.8	
95.0	CARBONDALE	HERRIN	COAL	7.7	315.0	

MAPID: 02703776000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 29 **QUARTERS/FOOTAGES:** 1650' N line, 1320' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.566967 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.504258 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 410.0 **LOGGED (FT.):** 322.6 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 9015C **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.4	MODESTO	PIASA	LIMESTONE	9.4	274.6	
126.0	MODESTO		UNCLASSIFIED	1.6	284.0	
124.4	CARBONDALE	DANVILLE	COAL	2.7	285.6	
121.7	CARBONDALE		UNCLASSIFIED	7.3	288.3	
114.4	CARBONDALE	BANKSTON FORK	LIMESTONE	7.7	295.6	
106.7	CARBONDALE	ANVIL ROCK	SANDSTONE	4.0	303.3	
102.7	CARBONDALE		SHALE	4.0	307.3	
98.7	CARBONDALE	BRERETON	LIMESTONE	3.4	311.3	
95.3	CARBONDALE	ANNA	BLACK SHALE	0.3	314.7	
95.0	CARBONDALE	HERRIN	COAL	7.6	315.0	

MAPID: 02703776000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 29 **QUARTERS/FOOTAGES:** 1650' N line, 1320' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.566967 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.504258 **DATE COLLECTED:** 9 / 2 / 1969
SURFACE ELEVATION (FT.): 410.0 **LOGGED (FT.):** 324.4 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 9015C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.2	CARBONDALE	HERRIN	COAL	7.7	314.8	REMOVED BY CO.

MAPID: 02700201000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 30 **QUARTERS/FOOTAGES:** NE NW
QUADRANGLE: BREESE **LONGITUDE:** -89.585167 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.507476 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 405.6 **LOGGED (FT.):** 1097.0 **LOG TYPE:**
SOURCE: OHIO OIL **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0		

MAPID: 02701144000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW
 QUADRANGLE: BREESE LONGITUDE: -89.59205 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.504931 DATE COLLECTED: 11 / 0 / 1955
 SURFACE ELEVATION (FT.): 406.0 LOGGED (FT.): 700.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.0	MODESTO	PIASA	UNCLASSIFIED	-	270.0	
124.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	282.0	
98.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	308.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO IDENTIFIABLE COAL HORIZON
20.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	386.0	
-40.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	446.0	
-294.0	BASE OF PENN.		UNCLASSIFIED	-	700.0	

MAPID: 02701144000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW
 QUADRANGLE: BREESE LONGITUDE: -89.59205 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.504931 DATE COLLECTED: 11 / 0 / 1955
 SURFACE ELEVATION (FT.): 406.0 LOGGED (FT.): 314.5 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.0	MODESTO	PIASA	LIMESTONE	6.0	271.0	
129.0	MODESTO		UNCLASSIFIED	6.0	277.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.0	CARBONDALE		UNCLASSIFIED	7.0	283.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
116.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	290.0	
109.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	297.0	
105.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	301.0	
102.0	CARBONDALE		UNCLASSIFIED	2.0	304.0	SHALE ABOVE BRERETON LIMESTONE
100.0	CARBONDALE	BRERETON	LIMESTONE	1.0	306.0	
99.0	CARBONDALE	ANNA	BLACK SHALE	2.0	307.0	
97.0	CARBONDALE	HERRIN	COAL	5.5	309.0	

MAPID: 02701244000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 1650' W line of SW

QUADRANGLE: BREESE LONGITUDE: -89.587362 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.501219 DATE COLLECTED: 6 / 0 / 1956

SURFACE ELEVATION (FT.): 408.0 LOGGED (FT.): 317.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.0	MODESTO	PIASA	LIMESTONE	9.0	273.0	
126.0	MODESTO		UNCLASSIFIED	3.5	282.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.5	CARBONDALE		UNCLASSIFIED	6.5	285.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
116.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	292.0	
112.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	296.0	
106.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	302.0	
104.0	CARBONDALE		UNCLASSIFIED	2.0	304.0	SHALE ABOVE BRERETON LIMESTONE
102.0	CARBONDALE	BRERETON	LIMESTONE	3.0	306.0	
99.0	CARBONDALE	ANNA	BLACK SHALE	3.0	309.0	
96.0	CARBONDALE	HERRIN	COAL	5.0	312.0	

MAPID: 02701433000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: OKAWVILLE LONGITUDE: -89.59193 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.495914 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 303.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
151.5	MODESTO	PIASA	LIMESTONE	5.5	260.5	
146.0	MODESTO		UNCLASSIFIED	4.0	266.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
142.0	CARBONDALE	DANVILLE	COAL	2.0	270.0	
140.0	CARBONDALE		UNCLASSIFIED	4.0	272.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
136.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	276.0	
131.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	281.0	
126.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	286.0	
124.0	CARBONDALE		UNCLASSIFIED	3.5	288.0	SHALE ABOVE BRERETON LIMESTONE
120.5	CARBONDALE	BRERETON	LIMESTONE	3.5	291.5	
117.0	CARBONDALE	ANNA	BLACK SHALE	3.0	295.0	
114.0	CARBONDALE	HERRIN	COAL	5.0	298.0	

MAPID: 02702072000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NE

QUADRANGLE: BREESE LONGITUDE: -89.572833 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.506297 DATE COLLECTED: 5 / 0 / 1964

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 344.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
114.5	MODESTO	PIASA	LIMESTONE	7.0	297.5	
107.5	MODESTO		UNCLASSIFIED	3.0	304.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
104.5	CARBONDALE	DANVILLE	COAL	1.0	307.5	
103.5	CARBONDALE		UNCLASSIFIED	7.5	308.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	316.0	
92.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	320.0	
87.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	325.0	
84.0	CARBONDALE		UNCLASSIFIED	4.0	328.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	4.0	332.0	
76.0	CARBONDALE	ANNA	BLACK SHALE	2.0	336.0	
74.0	CARBONDALE	HERRIN	COAL	6.0	338.0	

MAPID: 02703270000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 990' W line of SW

QUADRANGLE: BREESE LONGITUDE: -89.589681 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.501269 DATE COLLECTED: 6 / 0 / 1966

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 305.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	CARBONDALE	HERRIN	COAL	5.0	300.0	

MAPID: 02725125000C VERSION: 1

PROJECT: NCRDS99

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 30 QUARTERS/FOOTAGES: 2370' N line, 2630' E line

QUADRANGLE: BREESE LONGITUDE: -89.580791 GEOLOGIST: J MCBETH

CONFIDENTIAL: N LATITUDE: 38.502615 DATE COLLECTED: 8 / 12 / 1980

SURFACE ELEVATION (FT.): 405.0 LOGGED (FT.): 334.7 LOG TYPE: Drillers Log

SOURCE: MONTEREY COAL CO. 2M-17A WELL TYPE: Coal Test

COMMENT: PERMIT 57; #2 MINE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
405.0	PLEISTOCENE		CLAY	6.0	0.0	
399.0	PLEISTOCENE		CLAY	36.0	6.0	SILTY
363.0	PLEISTOCENE		SAND/CLAY	25.0	42.0	CLAY & SAND
338.0	MODESTO		GRAY SHALE	13.0	67.0	
325.0	MODESTO		SANDSTONE	90.0	80.0	
235.0	MODESTO		SANDSTONE	34.0	170.0	CALCAREOUS
201.0	MODESTO		GRAY SHALE	46.0	204.0	
155.0	MODESTO		SANDSTONE	18.0	250.0	ARGILLACEOUS
137.0	MODESTO	PIASA	LIMESTONE	6.0	268.0	
131.0	MODESTO		SHALE	5.0	274.0	CARBONACEOUS
126.0	CARBONDALE	DANVILLE	COAL	4.0	279.0	THICKNESS NOT ACCURATE
122.0	CARBONDALE		SHALE	5.0	283.0	
117.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	288.0	
110.0	CARBONDALE		SHALE	0.5	295.0	CALCAREOUS
109.5	CARBONDALE	BRERETON	LIMESTONE	10.1	295.5	
99.4	CARBONDALE	ANNA	SHALE	2.3	305.6	CARBONACEOUS; BLACK
97.1	CARBONDALE	HERRIN	COAL	8.0	307.9	
89.1	CARBONDALE		CLAYSTONE	1.7	315.9	
87.4	CARBONDALE		CLAYSTONE	0.4	317.6	CALCAREOUS
87.0	CARBONDALE		CLAYSTONE	1.5	318.0	WITH LIMESTONE NODULES
85.5	CARBONDALE		SHALE	0.5	319.5	CALCAREOUS
85.0	CARBONDALE		CORE LOSS	1.5	320.0	CORE LOSS
83.5	CARBONDALE		SHALE	1.2	321.5	CALCAREOUS
82.3	CARBONDALE		LIMESTONE	1.5	322.7	
80.8	CARBONDALE		SHALE	0.5	324.2	WITH LIMESTONE NODULES
80.3	CARBONDALE		LIMESTONE	3.0	324.7	
77.3	CARBONDALE		SHALE	2.6	327.7	
74.7	CARBONDALE		SHALE	2.3	330.3	GREENISH GRAY
72.4	CARBONDALE		SHALE	1.7	332.6	GREENISH GRAY WITH LIMESTONE NODULES
70.7	CARBONDALE		LIMESTONE	0.4	334.3	

MAPID: 02703279000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: OKAWVILLE **LONGITUDE:** -89.583367 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.488447 **DATE COLLECTED:** 8 / 0 / 1966
SURFACE ELEVATION (FT.): 405.0 **LOGGED (FT.):** 285.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
125.0	CARBONDALE	HERRIN	COAL	5.0	280.0	

MAPID: 02703315000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' N line, 990' W line of NW NW
QUADRANGLE: OKAWVILLE **LONGITUDE:** -89.589616 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.494055 **DATE COLLECTED:** 2 / 0 / 1967
SURFACE ELEVATION (FT.): 410.0 **LOGGED (FT.):** 295.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
120.0	CARBONDALE	HERRIN	COAL	5.0	290.0	

MAPID: 02703329000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 31 **QUARTERS/FOOTAGES:** 990' S line, 990' E line
QUADRANGLE: OKAWVILLE **LONGITUDE:** -89.574671 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.482766 **DATE COLLECTED:** 5 / 0 / 1967
SURFACE ELEVATION (FT.): 401.0 **LOGGED (FT.):** 280.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	CARBONDALE	HERRIN	COAL	5.0	275.0	

MAPID: 02703330000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 4W **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NE
QUADRANGLE: OKAWVILLE **LONGITUDE:** -89.57789 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.493865 **DATE COLLECTED:** 5 / 0 / 1967
SURFACE ELEVATION (FT.): 405.0 **LOGGED (FT.):** 300.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	CARBONDALE	HERRIN	COAL	5.0	295.0	

MAPID: 02703777000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 31 QUARTERS/FOOTAGES: 1320' S line, 990' W line

QUADRANGLE: OKAWVILLE LONGITUDE: -89.589786 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.483976 DATE COLLECTED:

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 270.6 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 9019C WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
187.8	MODESTO	PIASA	LIMESTONE	10.7	222.2
177.1	MODESTO		DARK GRAY SHALE	2.1	232.9
175.0	CARBONDALE	DANVILLE	COAL	2.6	235.0
172.4	CARBONDALE		GRAY SHALE	6.6	237.6
165.8	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	7.6	244.2
158.2	CARBONDALE	LAWSON	DARK GRAY SHALE	4.8	251.8
153.5	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	0.4	256.5
153.1	CARBONDALE	JAMESTOWN	COAL	0.2	256.9
152.9	CARBONDALE		CALCAREOUS SHALE	0.4	257.1
152.5	CARBONDALE	BRERETON	LIMESTONE	2.3	257.5
150.2	CARBONDALE	ANNA	BLACK SHALE	3.3	259.8
147.0	CARBONDALE	HERRIN	COAL	7.6	263.0

MAPID: 02703777000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 31 QUARTERS/FOOTAGES: 1320' S line, 990' W line

QUADRANGLE: OKAWVILLE LONGITUDE: -89.589786 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.483976 DATE COLLECTED:

SURFACE ELEVATION (FT.): 400.0 LOGGED (FT.): 270.6 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 9019C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
178.1	MODESTO	PIASA	LIMESTONE	10.7	221.9
167.4	MODESTO		UNCLASSIFIED	2.1	232.6
165.3	CARBONDALE	DANVILLE	COAL	2.6	234.7
162.7	CARBONDALE		UNCLASSIFIED	6.6	237.3
156.1	CARBONDALE	BANKSTON FORK	LIMESTONE	7.6	243.9
148.5	CARBONDALE	ANVIL ROCK	SANDSTONE	4.9	251.5
143.6	CARBONDALE	CONANT	LIMESTONE	0.4	256.4
143.2	CARBONDALE	JAMESTOWN	COAL	0.2	256.8
143.0	CARBONDALE		SHALE	0.4	257.0
142.6	CARBONDALE	BRERETON	LIMESTONE	2.3	257.4
140.3	CARBONDALE	ANNA	BLACK SHALE	3.3	259.7
137.0	CARBONDALE	HERRIN	COAL	7.6	263.0

MAPID: 02703777000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 31 QUARTERS/FOOTAGES: 1320' S line, 990' W line
 QUADRANGLE: OKAWVILLE LONGITUDE: -89.589786 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.483976 DATE COLLECTED: 10 / 3 / 1969
 SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 273.3 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 9019C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
153.8	SHELburn	CONANT	LIMESTONE	0.4	256.2	
153.5	SHELburn	JAMESTOWN	COAL	0.2	256.5	REMOVED BY CO.
153.0	CARBONDALE	BRERETON	LIMESTONE	2.3	257.0	
147.2	CARBONDALE	HERRIN	COAL	7.6	262.8	REMOVED BY CO.

MAPID: 02701297000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW
 QUADRANGLE: OKAWVILLE LONGITUDE: -89.567736 GEOLOGIST: C TREWORYG
 CONFIDENTIAL: N LATITUDE: 38.484496 DATE COLLECTED: 9 / 0 / 1956
 SURFACE ELEVATION (FT.): 402.0 LOGGED (FT.): 423.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
167.0	MODESTO	PIASA	UNCLASSIFIED	-	235.0	
125.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	277.0	
112.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	290.0	POSSIBLE COAL HORIZON
42.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	360.0	
-21.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	423.0	

MAPID: 02701297000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW

QUADRANGLE: OKAWVILLE LONGITUDE: -89.567736 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.484496 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 402.0 LOGGED (FT.): 283.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
164.5	MODESTO	PIASA	LIMESTONE	8.0	237.5	
156.5	MODESTO		UNCLASSIFIED	3.0	245.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
153.5	CARBONDALE		UNCLASSIFIED	8.0	248.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
145.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	256.5	
139.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	262.5	
135.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	267.0	
133.0	CARBONDALE		UNCLASSIFIED	1.5	269.0	SHALE ABOVE BRERETON LIMESTONE
131.5	CARBONDALE	BRERETON	LIMESTONE	3.5	270.5	
128.0	CARBONDALE	ANNA	BLACK SHALE	3.0	274.0	
125.0	CARBONDALE	HERRIN	COAL	6.0	277.0	

MAPID: 02702013000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 32 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE

QUADRANGLE: OKAWVILLE LONGITUDE: -89.556157 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.48249 DATE COLLECTED: 9 / 0 / 1963

SURFACE ELEVATION (FT.): 408.0 LOGGED (FT.): 279.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
137.0	CARBONDALE	HERRIN	COAL	8.0	271.0	

MAPID: 02703286000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 32 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: OKAWVILLE LONGITUDE: -89.565454 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.489966 DATE COLLECTED: 8 / 0 / 1966

SURFACE ELEVATION (FT.): 412.0 LOGGED (FT.): 295.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	CARBONDALE	HERRIN	COAL	5.0	290.0	

MAPID: 02701634000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 33 QUARTERS/FOOTAGES: 560' S line, 330' W line of SW NW

QUADRANGLE: OKAWVILLE LONGITUDE: -89.551547 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.488499 DATE COLLECTED: 1 / 0 / 1958

SURFACE ELEVATION (FT.): 419.0 LOGGED (FT.): 304.5 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
152.0	MODESTO	PIASA	LIMESTONE	3.0	267.0	
149.0	MODESTO		UNCLASSIFIED	3.0	270.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
146.0	CARBONDALE		UNCLASSIFIED	4.0	273.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
142.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.5	277.0	
137.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	281.5	
133.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	286.0	
130.0	CARBONDALE		UNCLASSIFIED	5.0	289.0	SHALE ABOVE BRERETON LIMESTONE
125.0	CARBONDALE	BRERETON	LIMESTONE	3.0	294.0	
122.0	CARBONDALE	ANNA	BLACK SHALE	2.0	297.0	
120.0	CARBONDALE	HERRIN	COAL	5.5	299.0	

MAPID: 02701833000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NE

QUADRANGLE: OKAWVILLE LONGITUDE: -89.535267 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.491031 DATE COLLECTED: 10 / 0 / 1960

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 288.0 LOG TYPE: Electric Log

SOURCE: MURVIN, JOHN B. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
166.0	MODESTO	PIASA	LIMESTONE	4.0	251.0	
162.0	MODESTO		UNCLASSIFIED	3.0	255.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
159.0	CARBONDALE		UNCLASSIFIED	7.0	258.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
152.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	265.0	
143.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	273.5	
140.5	CARBONDALE		UNCLASSIFIED	2.0	276.5	SHALE ABOVE BRERETON LIMESTONE
138.5	CARBONDALE	BRERETON	LIMESTONE	3.0	278.5	
135.5	CARBONDALE	ANNA	BLACK SHALE	1.5	281.5	
134.0	CARBONDALE	HERRIN	COAL	5.0	283.0	

MAPID: 02701789000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 34 QUARTERS/FOOTAGES: 130' N line, 2618' W line
 QUADRANGLE: OKAWVILLE LONGITUDE: -89.524898 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.493085 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 309.5 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3623 WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION, DEPTHS CORRECTED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
171.1	MODESTO	PIASA	LIMESTONE	8.7	241.9
162.4	MODESTO		GRAY SHALE	1.5	250.6
160.9	CARBONDALE	DANVILLE	COAL	0.7	252.1
160.2	CARBONDALE		GRAY SHALE	7.4	252.8
152.8	CARBONDALE	BANKSTON FORK	LIMESTONE	2.3	260.2
150.5	CARBONDALE	LAWSON	GRAY SHALE	5.4	262.5
145.1	CARBONDALE	LAWSON	SILTY SHALE	18.1	267.9

MAPID: 02701789000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 34 QUARTERS/FOOTAGES: 130' N line, 2618' W line
 QUADRANGLE: OKAWVILLE LONGITUDE: -89.524898 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.493085 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 0.0 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3623 WELL TYPE: Coal Test
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	8.7	
-	MODESTO		UNCLASSIFIED	1.5	
-	CARBONDALE	DANVILLE	COAL	0.7	
-	CARBONDALE		UNCLASSIFIED	7.4	

MAPID: 02701789000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 34 QUARTERS/FOOTAGES: 130' N line, 2618' W line
 QUADRANGLE: OKAWVILLE LONGITUDE: -89.524898 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.493085 DATE COLLECTED: 0 / 0 / 1959
 SURFACE ELEVATION (FT.): 413.2 LOGGED (FT.): 350.0 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3623 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
161.2	SHELBURN	DANVILLE	COAL	0.7	252.0

MAPID: 02703288000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW

QUADRANGLE: ADDIEVILLE LONGITUDE: -89.493541 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.479436 DATE COLLECTED: 9 / 0 / 1966

SURFACE ELEVATION (FT.): 410.0 LOGGED (FT.): 310.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.0	CARBONDALE	HERRIN	COAL	5.0	305.0	

MAPID: 02726514000C VERSION: 1

PROJECT: NCRDS99

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 1 QUARTERS/FOOTAGES: 3065' N line, 3950' E line

QUADRANGLE: BREESE LONGITUDE: -89.607327 GEOLOGIST: J MCBETH

CONFIDENTIAL: N LATITUDE: 38.559816 DATE COLLECTED: 3 / 13 / 1972

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 357.4 LOG TYPE: Drillers Log

SOURCE: MONTEREY COAL CO. 7A-569 WELL TYPE: Coal Test

COMMENT: PERMIT 57, #2 MINE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
447.0	PLEISTOCENE		CLAY	7.0	0.0	
440.0	PLEISTOCENE		CLAY	9.0	7.0	SLIGHTLY SANDY
431.0	PLEISTOCENE		SANDY CLAY	6.0	16.0	
425.0	PLEISTOCENE		CLAY	10.0	22.0	WITH GRAVEL
415.0	PLEISTOCENE		GRAVEL	3.0	32.0	
412.0	PLEISTOCENE		CLAY	7.0	35.0	WITH GRAVEL
405.0	PLEISTOCENE		SAND & GRAVEL	6.0	42.0	
399.0	PLEISTOCENE		CLAY	32.0	48.0	WITH GRAVEL
367.0	PLEISTOCENE		SAND & GRAVEL	7.5	80.0	
359.5	MODESTO		SANDSTONE	1.0	87.5	
358.5	MODESTO		SILTY SHALE	18.5	88.5	
340.0	MODESTO		SANDSTONE	23.0	107.0	
317.0	MODESTO		SILTY SHALE	5.0	130.0	
312.0	MODESTO		SANDSTONE	52.0	135.0	
260.0	MODESTO		SILTY SHALE	5.0	187.0	
255.0	MODESTO		SANDSTONE	15.0	192.0	
240.0	MODESTO		LIMESTONE	2.0	207.0	
238.0	MODESTO		SILTY SHALE	56.0	209.0	
182.0	MODESTO		UNDERCLAY	1.0	265.0	
181.0	MODESTO		SILTSTONE	23.0	266.0	
158.0	MODESTO		SILTY SHALE	3.0	289.0	
155.0	MODESTO	PIASA	LIMESTONE	5.5	292.0	
149.5	MODESTO		SHALE	6.9	297.5	CARBONACEOUS; BLACK
142.6	CARBONDALE	DANVILLE	COAL	2.5	304.4	
140.1	CARBONDALE		CLAYSTONE	3.1	306.9	WITH LIMESTONE NODULES
137.0	CARBONDALE		GRAY SHALE	3.0	310.0	
134.0	CARBONDALE		SHALE	1.0	313.0	BLACK
133.0	CARBONDALE		SHALE	8.0	314.0	
125.0	CARBONDALE		LIMESTONE	6.9	322.0	
118.1	CARBONDALE		SHALE	1.9	328.9	
116.2	CARBONDALE	BRERETON	LIMESTONE	2.1	330.8	
114.1	CARBONDALE	ANNA	SHALE	1.5	332.9	CARBONACEOUS; BLACK
112.6	CARBONDALE		LIMESTONE	0.2	334.4	
112.4	CARBONDALE		SHALE	1.0	334.6	CALCAREOUS, WITH DARK FOSSILS
111.4	CARBONDALE	ENERGY	SILTY SHALE	1.4	335.6	
110.0	CARBONDALE	HERRIN	COAL	9.4	337.0	
100.6	CARBONDALE		CLAYSTONE	2.6	346.4	
98.0	CARBONDALE		CLAYSTONE	2.8	349.0	CALCAREOUS
95.2	CARBONDALE		LIMESTONE	0.7	351.8	

94.5	CARBONDALE	CLAYSTONE	1.6	352.5	CALCAREOUS
92.9	CARBONDALE	LIMESTONE	2.9	354.1	WITH CLAYSTONE
90.0	CARBONDALE	LIMESTONE	0.4	357.0	

MAPID: 02703433000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 2 **QUARTERS/FOOTAGES:** 0' N line, 330' E line of NE NE NE
QUADRANGLE: BREESE **LONGITUDE:** -89.613304 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.568222 **DATE COLLECTED:** 10 / 25 / 1967
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 329.7 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 8202C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-			COAL	1.5	270.7
-	SHELBURN	DANVILLE	COAL	2.0	289.1
-			COAL	0.5	296.7
-	CARBONDALE	HERRIN	COAL	8.7	319.9

MAPID: 02703433000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 2 **QUARTERS/FOOTAGES:** 0' N line, 330' E line of NE NE NE
QUADRANGLE: BREESE **LONGITUDE:** -89.613304 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.568222 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 328.7 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 8202C **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
160.3	MODESTO	PIASA	LIMESTONE	8.3	279.7
152.0	MODESTO		UNCLASSIFIED	1.3	288.0
150.7	CARBONDALE	DANVILLE	COAL	2.0	289.3
148.7	CARBONDALE		UNCLASSIFIED	8.3	291.3
140.4	CARBONDALE	BANKSTON FORK	LIMESTONE	5.8	299.6
134.6	CARBONDALE	ANVIL ROCK	SANDSTONE	1.1	305.4
133.5	CARBONDALE		SHALE	0.8	306.5
132.7	CARBONDALE	BRERETON	LIMESTONE	10.2	307.3
122.5	CARBONDALE	ANNA	BLACK SHALE	2.5	317.5
120.0	CARBONDALE	HERRIN	COAL	8.7	320.0

MAPID: 02703434000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 0' N line, 330' W line of NW NW NW
 QUADRANGLE: TRENTON LONGITUDE: -89.63001 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.568185 DATE COLLECTED: 11 / 14 / 1967
 SURFACE ELEVATION (FT.): LOGGED (FT.): 285.1 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 8203C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	SHELburn	DANVILLE	COAL	0.7	244.1
-			COAL	0.9	250.3
-	CARBONDALE	HERRIN	COAL	8.3	275.5

MAPID: 02703434000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 0' N line, 330' W line of NW NW NW
 QUADRANGLE: TRENTON LONGITUDE: -89.63001 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.568185 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 284.3 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 8203C WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
193.1	MODESTO	PIASA	LIMESTONE	8.5	234.9
184.6	MODESTO		UNCLASSIFIED	1.1	243.4
183.5	CARBONDALE	DANVILLE	COAL	0.7	244.5
182.8	CARBONDALE		UNCLASSIFIED	8.3	245.2
174.5	CARBONDALE	BANKSTON FORK	LIMESTONE	9.8	253.5
164.7	CARBONDALE	BRERETON	LIMESTONE	9.5	263.3
155.2	CARBONDALE	ANNA	BLACK SHALE	3.2	272.8
152.0	CARBONDALE	HERRIN	COAL	8.3	276.0

MAPID: 02703649000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 0' N line, 0' W line of NW NW NE
 QUADRANGLE: BREESE LONGITUDE: -89.621659 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.568205 DATE COLLECTED: 1 / 17 / 1969
 SURFACE ELEVATION (FT.): LOGGED (FT.): 308.9 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 8314 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	SHELburn	DANVILLE	COAL	2.0	269.8
-			COAL	0.4	278.7
-	CARBONDALE	HERRIN	COAL	7.5	300.3

MAPID: 02703649000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 0' N line, 0' W line of NW NW NE

QUADRANGLE: BREESE LONGITUDE: -89.621659 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.568205 DATE COLLECTED:

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 307.5 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8314 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
180.1	MODESTO	PIASA	LIMESTONE	5.9	257.9
174.2	MODESTO		UNCLASSIFIED	5.7	263.8
168.5	CARBONDALE	DANVILLE	COAL	2.0	269.5
166.5	CARBONDALE		UNCLASSIFIED	8.4	271.5
158.1	CARBONDALE	BANKSTON FORK	LIMESTONE	5.5	279.9
152.6	CARBONDALE	ANVIL ROCK	SANDSTONE	1.6	285.4
151.0	CARBONDALE		SHALE	1.0	287.0
150.0	CARBONDALE	BRERETON	LIMESTONE	9.1	288.0
140.9	CARBONDALE	ANNA	BLACK SHALE	2.9	297.1
138.0	CARBONDALE	HERRIN	COAL	7.5	300.0

MAPID: 02703656000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 2640' N line, 0' E line

QUADRANGLE: BREESE LONGITUDE: -89.612142 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.560938 DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 332.0 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8542C WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
155.8	MODESTO	PIASA	LIMESTONE	4.9	289.2
150.9	MODESTO		GRAY SHALE	6.2	294.1
144.7	CARBONDALE	DANVILLE	COAL	2.1	300.3
142.6	CARBONDALE	ALLENBY	COAL	1.1	302.4
141.5	CARBONDALE		GRAY SHALE	3.2	303.5
138.4	CARBONDALE	BANKSTON FORK	LIMESTONE	4.8	306.6
133.6	CARBONDALE	LAWSON	GRAY SHALE	2.6	311.4
131.0	CARBONDALE	CONANT	NODULAR LIMESTONE	0.8	314.0
130.2	CARBONDALE		SILTSTONE	0.7	314.8
129.6	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	6.5	315.4
123.1	CARBONDALE	ANNA	BLACK SHALE	2.1	321.9
121.0	CARBONDALE	HERRIN	COAL	8.0	324.0

MAPID: 02703656000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 2640' N line, 0' E line

QUADRANGLE: BREESE LONGITUDE: -89.612142 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.560938 DATE COLLECTED:

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 331.9 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8542C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
157.2	MODESTO	PIASA	LIMESTONE	4.8	284.8
152.4	MODESTO		UNCLASSIFIED	6.2	289.6
146.2	CARBONDALE	DANVILLE	COAL	2.1	295.8
144.1	CARBONDALE		UNCLASSIFIED	8.7	297.9
135.4	CARBONDALE	BANKSTON FORK	LIMESTONE	4.8	306.6
130.6	CARBONDALE	ANVIL ROCK	SANDSTONE	1.8	311.4
128.8	CARBONDALE	CONANT	LIMESTONE	0.8	313.2
128.0	CARBONDALE		SHALE	0.7	314.0
127.3	CARBONDALE	BRERETON	LIMESTONE	6.4	314.7
120.9	CARBONDALE	ANNA	BLACK SHALE	2.9	321.1
118.0	CARBONDALE	HERRIN	COAL	7.9	324.0

MAPID: 02703656000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 2640' N line, 0' E line

QUADRANGLE: BREESE LONGITUDE: -89.612142 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.560938 DATE COLLECTED: 1 / 27 / 1969

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 333.0 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8542C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
148.7	SHELBURN	DANVILLE	COAL	2.8	296.3
142.1			COAL	1.8	302.9
120.5	CARBONDALE	HERRIN	COAL	8.0	324.5

MAPID: 02726515000C VERSION: 1

PROJECT: NCRDS99

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 2 QUARTERS/FOOTAGES: 1770' N line, 610' W line

QUADRANGLE: TRENTON LONGITUDE: -89.628975 GEOLOGIST: J MCBETH

CONFIDENTIAL: N LATITUDE: 38.5633 DATE COLLECTED: 1 / 23 / 1970

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 312.0 LOG TYPE: Drillers Log

SOURCE: MONTEREY COAL CO. WF-326 WELL TYPE: Coal Test

COMMENT: PERMIT 57; #2 MINE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
445.0	PLEISTOCENE		CLAY	34.0	0.0	
411.0	PLEISTOCENE		SAND	4.0	34.0	
407.0	PLEISTOCENE		SANDY CLAY	32.0	38.0	
375.0	MODESTO		SILTSTONE	50.0	70.0	
325.0	MODESTO		SANDSTONE	50.0	120.0	
275.0	MODESTO		GRAY SHALE	50.0	170.0	
225.0	MODESTO		SHALE	34.0	220.0	
191.0	MODESTO	PIASA	LIMESTONE	5.0	254.0	
186.0	MODESTO		SHALE	3.0	259.0	BLACK
183.0	CARBONDALE	DANVILLE	COAL	1.0	262.0	
182.0	CARBONDALE		SILTY SHALE	17.4	263.0	
164.6	CARBONDALE		LIMESTONE	10.3	280.4	
154.3	CARBONDALE	ANNA	SHALE	3.2	290.7	BLACK
151.1	CARBONDALE	HERRIN	COAL	8.5	293.9	
142.6	CARBONDALE		CLAYSTONE	0.3	302.4	
142.3	CARBONDALE		CLAYSTONE	1.0	302.7	CALCAREOUS
141.3	CARBONDALE		CLAYSTONE	2.2	303.7	CALCAREOUS
139.1	CARBONDALE		LIMESTONE	4.6	305.9	
134.5	CARBONDALE		CORE LOSS	1.5	310.5	CORE LOSS

MAPID: 02701596000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 3 QUARTERS/FOOTAGES: 990' S line, 330' E line

QUADRANGLE: TRENTON LONGITUDE: -89.632208 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.556563 DATE COLLECTED: 11 / 0 / 1957

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 334.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
162.6	MODESTO	PIASA	LIMESTONE	8.0	276.4	
154.6	MODESTO		UNCLASSIFIED	2.3	284.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
152.3	CARBONDALE	DANVILLE	COAL	1.3	286.7	
151.0	CARBONDALE		UNCLASSIFIED	11.5	288.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
139.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	299.5	
134.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	304.5	
132.5	CARBONDALE		UNCLASSIFIED	1.0	306.5	SHALE ABOVE BRERETON LIMESTONE
131.5	CARBONDALE	BRERETON	LIMESTONE	13.5	307.5	
118.0	CARBONDALE	ANNA	BLACK SHALE	5.0	321.0	
113.0	CARBONDALE	HERRIN	COAL	8.0	326.0	

MAPID: 02701596000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 3 QUARTERS/FOOTAGES: 990' S line, 330' E line

QUADRANGLE: TRENTON LONGITUDE: -89.632208 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.556563 DATE COLLECTED:

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 336.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
160.0	MODESTO	PIASA	LIMESTONE	10.0	279.0	
150.0	MODESTO		SHALE	6.0	289.0	
144.0	CARBONDALE	DANVILLE	BONE COAL	1.0	295.0	
143.0	CARBONDALE		SHALE	4.0	296.0	
139.0	CARBONDALE	ALLENBY	BONE COAL	3.0	300.0	
136.0	CARBONDALE		SHALE	4.0	303.0	
132.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	8.0	307.0	
124.0	CARBONDALE	LAWSON	SHALE	1.0	315.0	
123.0	CARBONDALE	CONANT	LIMESTONE	2.0	316.0	
121.0	CARBONDALE		SHALE	6.0	318.0	
115.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	324.0	
111.0	CARBONDALE	ANNA	SHALE	2.0	328.0	
109.0	CARBONDALE	HERRIN	COAL	6.5	330.0	

MAPID: 02701235000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 4 QUARTERS/FOOTAGES: 2310' N line, 405' W line

QUADRANGLE: TRENTON LONGITUDE: -89.666778 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.561705 DATE COLLECTED: 5 / 0 / 1956

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 328.3 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
189.5	MODESTO	PIASA	LIMESTONE	5.0	271.5	
184.5	MODESTO		UNCLASSIFIED	7.5	276.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
177.0	CARBONDALE	DANVILLE	COAL	2.5	284.0	
174.5	CARBONDALE		UNCLASSIFIED	8.0	286.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
166.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	294.5	
160.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	300.5	
159.0	CARBONDALE		UNCLASSIFIED	1.0	302.0	SHALE ABOVE BRERETON LIMESTONE
158.0	CARBONDALE	BRERETON	LIMESTONE	15.0	303.0	
143.0	CARBONDALE	ANNA	BLACK SHALE	3.0	318.0	
140.0	CARBONDALE	HERRIN	COAL	7.3	321.0	

MAPID: 02701235000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 4 QUARTERS/FOOTAGES: 2310' N line, 405' W line

QUADRANGLE: TRENTON LONGITUDE: -89.666778 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.561705 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 332.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
184.0	MODESTO	PIASA	LIMESTONE	7.0	276.0	
177.0	MODESTO		SHALE	6.0	283.0	
171.0	CARBONDALE	DANVILLE	COAL	2.0	289.0	
169.0	CARBONDALE		SHALE	8.0	291.0	
161.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	5.0	299.0	
156.0	CARBONDALE	LAWSON	SHALE	4.0	304.0	
152.0	CARBONDALE	CONANT	LIMESTONE	2.0	308.0	
150.0	CARBONDALE		SHALE	5.0	310.0	
145.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	6.0	315.0	
139.0	CARBONDALE	ANNA	SHALE	4.0	321.0	
135.0	CARBONDALE	HERRIN	COAL	7.5	325.0	

MAPID: 02703346000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 4 QUARTERS/FOOTAGES: 720' S line, 30' W line

QUADRANGLE: TRENTON LONGITUDE: -89.668029 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.555357 DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 330.5 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
183.4	MODESTO	PIASA	LIMESTONE	7.0	278.6	
176.4	MODESTO		UNCLASSIFIED	4.8	285.6	INTERVAL ABOVE DANVILLE, BELOW PIASA
171.6	CARBONDALE	DANVILLE	COAL	2.3	290.4	
169.3	CARBONDALE		UNCLASSIFIED	5.0	292.7	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
164.3	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	297.7	
159.3	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	302.7	
157.3	CARBONDALE	BRERETON	LIMESTONE	17.0	304.7	
140.3	CARBONDALE	ANNA	BLACK SHALE	1.3	321.7	
139.0	CARBONDALE	HERRIN	COAL	7.5	323.0	

MAPID: 02703347000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 4 QUARTERS/FOOTAGES: 60' N line, 170' E line of NW

QUADRANGLE: TRENTON LONGITUDE: -89.659612 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.567936 DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 326.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
187.0	MODESTO	PIASA	LIMESTONE	4.0	269.0	
183.0	MODESTO		UNCLASSIFIED	6.5	273.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
176.5	CARBONDALE	DANVILLE	COAL	1.0	279.5	
175.5	CARBONDALE		UNCLASSIFIED	7.5	280.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
168.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	288.0	
158.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	298.0	
156.0	CARBONDALE		UNCLASSIFIED	1.0	300.0	SHALE ABOVE BRERETON LIMESTONE
155.0	CARBONDALE	BRERETON	LIMESTONE	16.0	301.0	
139.0	CARBONDALE	ANNA	BLACK SHALE	3.0	317.0	
136.0	CARBONDALE	HERRIN	COAL	6.0	320.0	

MAPID: 02703348000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 4 QUARTERS/FOOTAGES: 20' S line, 60' W line of SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.65409 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.560815 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 317.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
186.1	MODESTO	PIASA	LIMESTONE	5.8	261.9	
180.3	MODESTO		UNCLASSIFIED	6.0	267.7	INTERVAL ABOVE DANVILLE, BELOW PIASA
174.3	CARBONDALE	DANVILLE	COAL	2.3	273.7	
172.0	CARBONDALE		UNCLASSIFIED	8.0	276.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
164.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	284.0	
160.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	288.0	
158.0	CARBONDALE		UNCLASSIFIED	1.5	290.0	SHALE ABOVE BRERETON LIMESTONE
156.5	CARBONDALE	BRERETON	LIMESTONE	15.5	291.5	
141.0	CARBONDALE	ANNA	BLACK SHALE	2.0	307.0	
139.0	CARBONDALE	HERRIN	COAL	8.0	309.0	

MAPID: 02701657000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: TRENTON LONGITUDE: -89.683663 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.561658 DATE COLLECTED: 8 / 0 / 1958

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 344.5 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
184.5	MODESTO	PIASA	LIMESTONE	6.0	292.5	
178.5	MODESTO		UNCLASSIFIED	3.5	298.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
175.0	CARBONDALE		UNCLASSIFIED	5.0	302.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
170.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	307.0	
165.0	CARBONDALE	ENERGY	UNCLASSIFIED	25.0	312.0	
140.0	CARBONDALE	HERRIN	COAL	7.5	337.0	

MAPID: 02701657000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: TRENTON LONGITUDE: -89.683663 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.561658 DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 352.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
178.0	MODESTO	PIASA	LIMESTONE	6.5	299.0	
171.5	MODESTO		SHALE	10.0	305.5	
161.5	CARBONDALE	DANVILLE	COAL	3.0	315.5	
158.5	CARBONDALE		SHALE	4.0	318.5	
154.5	CARBONDALE	LAWSON	SHALE	20.0	322.5	
134.5	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	342.5	
132.5	CARBONDALE	ANNA	SHALE	1.5	344.5	
131.0	CARBONDALE	HERRIN	COAL	6.0	346.0	

MAPID: 02701794000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 660' E line

QUADRANGLE: TRENTON LONGITUDE: -89.670446 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554263 DATE COLLECTED: 5 / 0 / 1960

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 323.0 LOG TYPE: Electric Log

SOURCE: CALVERT PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
201.1	MODESTO	PIASA	LIMESTONE	6.0	269.9	
195.1	MODESTO		UNCLASSIFIED	5.0	275.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
190.1	CARBONDALE	DANVILLE	COAL	0.8	280.9	
189.3	CARBONDALE		UNCLASSIFIED	9.3	281.7	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
180.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	291.0	
174.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	297.0	
172.0	CARBONDALE		UNCLASSIFIED	2.0	299.0	SHALE ABOVE BRERETON LIMESTONE
170.0	CARBONDALE	BRERETON	LIMESTONE	10.5	301.0	
159.5	CARBONDALE	ANNA	BLACK SHALE	4.5	311.5	
155.0	CARBONDALE	HERRIN	COAL	7.0	316.0	

MAPID: 02701911000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.671778 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.561618 DATE COLLECTED: 4 / 0 / 1962

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
191.0	MODESTO	PIASA	UNCLASSIFIED	-	269.0	
144.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	316.0	ENERGY SH OVER COAL. COAL MAY BE SPLIT.
133.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	327.0	
93.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	367.0	
53.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	407.0	
26.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	434.0	

MAPID: 02701911000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.671778 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.561618 DATE COLLECTED: 4 / 0 / 1962

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 320.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
191.5	MODESTO	PIASA	LIMESTONE	5.5	268.5	
186.0	MODESTO		UNCLASSIFIED	4.0	274.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
182.0	CARBONDALE	DANVILLE	COAL	1.0	278.0	
181.0	CARBONDALE		UNCLASSIFIED	5.0	279.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
176.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	284.0	
170.0	CARBONDALE	ENERGY	UNCLASSIFIED	23.0	290.0	
147.0	CARBONDALE	HERRIN	COAL	7.0	313.0	

MAPID: 0270335000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 440' N line, 60' W line of SE

QUADRANGLE: TRENTON LONGITUDE: -89.677441 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.559462 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 323.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
200.0	MODESTO	PIASA	LIMESTONE	5.0	268.0	
195.0	MODESTO		UNCLASSIFIED	3.0	273.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
192.0	CARBONDALE		UNCLASSIFIED	8.5	276.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
183.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	284.5	
176.0	CARBONDALE	ENERGY	UNCLASSIFIED	22.0	292.0	
154.0	CARBONDALE	HERRIN	COAL	9.0	314.0	

MAPID: 02703351000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 70' N line, 120' W line of SW SW

QUADRANGLE: TRENTON LONGITUDE: -89.686674 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.556739 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 347.5 LOG TYPE: Drillers Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
192.6	MODESTO	PIASA	LIMESTONE	5.0	277.4	
187.6	MODESTO		UNCLASSIFIED	3.0	282.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
184.6	CARBONDALE	DANVILLE	COAL	0.8	285.4	
183.8	CARBONDALE		UNCLASSIFIED	14.3	286.2	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
169.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	300.5	
164.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	306.0	
162.5	CARBONDALE		UNCLASSIFIED	1.5	307.5	SHALE ABOVE BRERETON LIMESTONE
161.0	CARBONDALE	BRERETON	LIMESTONE	3.5	309.0	
157.5	CARBONDALE	ENERGY	UNCLASSIFIED	27.5	312.5	
130.0	CARBONDALE	HERRIN	COAL	7.5	340.0	

MAPID: 02703352000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 20' N line, 110' E line of NW

QUADRANGLE: TRENTON LONGITUDE: -89.678126 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.567997 DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 353.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
177.5	MODESTO	PIASA	LIMESTONE	6.0	293.5	
171.5	MODESTO		UNCLASSIFIED	2.0	299.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
169.5	CARBONDALE	DANVILLE	COAL	0.5	301.5	
169.0	CARBONDALE		UNCLASSIFIED	6.5	302.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
162.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.5	308.5	
159.0	CARBONDALE	ENERGY	UNCLASSIFIED	33.0	312.0	
126.0	CARBONDALE	HERRIN	COAL	8.0	345.0	

MAPID: 02703354000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 80' S line, 100' E line of NE SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.668567 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.562782 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 320.5 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
177.5	MODESTO	PIASA	LIMESTONE	7.0	273.5	
170.5	MODESTO		UNCLASSIFIED	2.0	280.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
168.5	CARBONDALE	DANVILLE	COAL	1.0	282.5	
167.5	CARBONDALE		UNCLASSIFIED	6.0	283.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
161.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	289.5	
156.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.0	294.5	
155.5	CARBONDALE		UNCLASSIFIED	0.5	295.5	SHALE ABOVE BRERETON LIMESTONE
155.0	CARBONDALE	BRERETON	LIMESTONE	12.0	296.0	
143.0	CARBONDALE	ANNA	BLACK SHALE	4.0	308.0	
139.0	CARBONDALE	HERRIN	COAL	8.5	312.0	

MAPID: 02703355000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 5 QUARTERS/FOOTAGES: 50' S line, 70' W line of SE

QUADRANGLE: TRENTON LONGITUDE: -89.677342 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55344 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 312.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
190.0	MODESTO	PIASA	LIMESTONE	5.0	262.0	
185.0	MODESTO		UNCLASSIFIED	3.5	267.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
181.5	CARBONDALE		UNCLASSIFIED	8.5	270.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
173.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	279.0	
164.0	CARBONDALE	ENERGY	UNCLASSIFIED	15.0	288.0	
149.0	CARBONDALE	HERRIN	COAL	9.0	303.0	

MAPID: 02701298000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 330' E line

QUADRANGLE: TRENTON LONGITUDE: -89.688228 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.554141 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 356.5 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
165.0	MODESTO	PIASA	LIMESTONE	7.0	306.0	
158.0	MODESTO		UNCLASSIFIED	1.5	313.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
156.5	CARBONDALE		UNCLASSIFIED	3.5	314.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
153.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	318.0	
148.0	CARBONDALE	ENERGY	UNCLASSIFIED	25.0	323.0	
123.0	CARBONDALE	HERRIN	COAL	8.5	348.0	

MAPID: 02704143000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 6 QUARTERS/FOOTAGES: 1408' S line, 76' E line

QUADRANGLE: TRENTON LONGITUDE: -89.687368 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.557119 DATE COLLECTED: 8 / 9 / 1971

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 357.0 LOG TYPE: Survey Core Study

SOURCE: CARTER OIL COMPANY 7E-483 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	-	-	REMOVED BY CO./NO THICKNESS GIVEN

MAPID: 02704143000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 6 QUARTERS/FOOTAGES: 1408' S line, 76' E line

QUADRANGLE: TRENTON LONGITUDE: -89.687368

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.557119

DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 347.7

LOG TYPE: Survey Core Study

SOURCE: CARTER OIL COMPANY 7E-483

WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
164.1	MODESTO	PIASA	LIMESTONE	5.0	305.9
159.1	MODESTO		GRAY SHALE	6.0	310.9
153.1	CARBONDALE		GRAY SHALE	8.0	316.9
145.1	CARBONDALE	LAWSON	GRAY SHALE	14.7	324.9
130.4	CARBONDALE	ANNA	DARK GRAY SHALE	0.4	339.6
130.0	CARBONDALE	HERRIN	COAL	7.7	340.0

MAPID: 02703357000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 7 QUARTERS/FOOTAGES: 320' N line, 30' W line of SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.691508

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.548714

DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 328.0

LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO.

WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
170.0	MODESTO	PIASA	LIMESTONE	5.5	277.0
164.5	MODESTO		UNCLASSIFIED	2.0	282.5 INTERVAL ABOVE DANVILLE, BELOW PIASA
162.5	CARBONDALE		UNCLASSIFIED	6.0	284.5 INTERVAL ABOVE BANKSTON, BELOW DANVILLE
156.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	290.5
150.0	CARBONDALE	ENERGY	UNCLASSIFIED	23.0	297.0
127.0	CARBONDALE	HERRIN	COAL	8.0	320.0

MAPID: 02701609000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE

QUADRANGLE: TRENTON LONGITUDE: -89.669197 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.545203 DATE COLLECTED: 1 / 0 / 1958

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 393.0 LOG TYPE: Electric Log

SOURCE: SCHAEFER OIL COMPANY WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
203.0	MODESTO	PIASA	UNCLASSIFIED	-	237.0	
163.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	277.0	
147.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	293.0	
107.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	333.0	
47.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	393.0	

MAPID: 02701609000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE

QUADRANGLE: TRENTON LONGITUDE: -89.669197 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545203 DATE COLLECTED: 1 / 0 / 1958

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 280.5 LOG TYPE: Electric Log

SOURCE: SCHAEFER OIL COMPANY WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.5	MODESTO	PIASA	LIMESTONE	5.0	234.5	
200.5	MODESTO		UNCLASSIFIED	3.0	239.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
197.5	CARBONDALE		UNCLASSIFIED	8.0	242.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
189.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	250.5	
184.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	255.5	
181.5	CARBONDALE	BRERETON	LIMESTONE	14.0	258.5	
167.5	CARBONDALE	ANNA	BLACK SHALE	2.5	272.5	
165.0	CARBONDALE	HERRIN	COAL	5.5	275.0	

MAPID: 02701630000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW

QUADRANGLE: TRENTON LONGITUDE: -89.678672 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.546934 DATE COLLECTED: 3 / 0 / 1958

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 320.0 LOG TYPE: Electric Log

SOURCE: SCHAEFER OIL COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.0	MODESTO	PIASA	LIMESTONE	6.0	271.0	
175.0	MODESTO		UNCLASSIFIED	3.0	277.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
172.0	CARBONDALE		UNCLASSIFIED	9.0	280.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
163.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	289.0	
157.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	0.5	294.5	
157.0	CARBONDALE	BRERETON	LIMESTONE	14.0	295.0	
143.0	CARBONDALE	ANNA	BLACK SHALE	5.0	309.0	
138.0	CARBONDALE	HERRIN	COAL	6.0	314.0	

MAPID: 02701853000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 8 QUARTERS/FOOTAGES: 660' S line, 330' E line of NE

QUADRANGLE: TRENTON LONGITUDE: -89.669225 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.547937 DATE COLLECTED: 4 / 0 / 1961

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 283.0 LOG TYPE: Electric Log

SOURCE: GULF OIL CORPORATION WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
215.3	MODESTO	PIASA	LIMESTONE	5.0	238.7	
210.3	MODESTO		UNCLASSIFIED	2.0	243.7	INTERVAL ABOVE DANVILLE, BELOW PIASA
208.3	CARBONDALE		UNCLASSIFIED	5.8	245.7	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
202.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	251.5	
196.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	257.5	
194.0	CARBONDALE	BRERETON	LIMESTONE	14.0	260.0	
180.0	CARBONDALE	ANNA	BLACK SHALE	3.0	274.0	
177.0	CARBONDALE	HERRIN	COAL	6.0	277.0	

MAPID: 02701394000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: TRENTON LONGITUDE: -89.652914 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.543479 DATE COLLECTED: 5 / 0 / 1953

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 305.0 LOG TYPE: Electric Log

SOURCE: DITTMEIER&EISENSTEIN WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
168.0	MODESTO	PIASA	LIMESTONE	7.0	258.0	
161.0	MODESTO		UNCLASSIFIED	2.0	265.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
159.0	CARBONDALE		UNCLASSIFIED	8.0	267.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
151.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.0	275.0	
148.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	278.0	
146.0	CARBONDALE		UNCLASSIFIED	2.0	280.0	SHALE ABOVE BRERETON LIMESTONE
144.0	CARBONDALE	BRERETON	LIMESTONE	14.0	282.0	
130.0	CARBONDALE	ANNA	BLACK SHALE	3.0	296.0	
127.0	CARBONDALE	HERRIN	COAL	6.0	299.0	

MAPID: 02701707000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 9 QUARTERS/FOOTAGES: 10' N line, 10' E line of SE SW

QUADRANGLE: TRENTON LONGITUDE: -89.658747 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.542516 DATE COLLECTED: 7 / 0 / 1959

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 275.5 LOG TYPE: Electric Log

SOURCE: BRAND OIL WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
210.0	MODESTO	PIASA	LIMESTONE	6.5	233.0	
203.5	MODESTO		UNCLASSIFIED	2.0	239.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
201.5	CARBONDALE		UNCLASSIFIED	5.5	241.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
196.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	2.0	247.0	
194.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	249.0	
191.0	CARBONDALE		UNCLASSIFIED	3.0	252.0	SHALE ABOVE BRERETON LIMESTONE
188.0	CARBONDALE	BRERETON	LIMESTONE	13.0	255.0	
175.0	CARBONDALE	ANNA	BLACK SHALE	2.0	268.0	
173.0	CARBONDALE	HERRIN	COAL	5.5	270.0	

MAPID: 02701708000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 9 QUARTERS/FOOTAGES: 2310' S line, 990' W line

QUADRANGLE: TRENTON LONGITUDE: -89.664557 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545279 DATE COLLECTED: 7 / 0 / 1959

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 269.0 LOG TYPE: Electric Log

SOURCE: BRAND OIL WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
220.5	MODESTO	PIASA	LIMESTONE	5.0	222.5	
215.5	MODESTO		UNCLASSIFIED	3.0	227.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
212.5	CARBONDALE		UNCLASSIFIED	8.5	230.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
204.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	239.0	
200.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	243.0	
198.0	CARBONDALE		UNCLASSIFIED	1.0	245.0	SHALE ABOVE BRERETON LIMESTONE
197.0	CARBONDALE	BRERETON	LIMESTONE	14.5	246.0	
182.5	CARBONDALE	ANNA	BLACK SHALE	2.5	260.5	
180.0	CARBONDALE	HERRIN	COAL	6.0	263.0	

MAPID: 02701708000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 9 QUARTERS/FOOTAGES: 2310' S line, 990' W line

QUADRANGLE: TRENTON LONGITUDE: -89.664557 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.545279 DATE COLLECTED:

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 273.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
215.0	MODESTO	PIASA	LIMESTONE	6.0	228.0	
209.0	MODESTO		SHALE	7.0	234.0	
202.0	CARBONDALE	DANVILLE	COAL	1.0	241.0	
201.0	CARBONDALE		SHALE	4.0	242.0	
197.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	5.0	246.0	
192.0	CARBONDALE	LAWSON	SHALE	5.0	251.0	
187.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	7.0	256.0	
180.0	CARBONDALE	ANNA	SHALE	3.0	263.0	
177.0	CARBONDALE	HERRIN	COAL	7.0	266.0	

MAPID: 02701801000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: TRENTON LONGITUDE: -89.657586 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.545253 DATE COLLECTED: 5 / 0 / 1960

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 282.5 LOG TYPE: Electric Log

SOURCE: BRAND OIL WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
204.5	MODESTO	PIASA	LIMESTONE	5.0	237.5	
199.5	MODESTO		UNCLASSIFIED	2.5	242.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
197.0	CARBONDALE		UNCLASSIFIED	8.0	245.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
189.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.0	253.0	
186.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	256.0	
184.0	CARBONDALE		UNCLASSIFIED	2.0	258.0	SHALE ABOVE BRERETON LIMESTONE
182.0	CARBONDALE	BRERETON	LIMESTONE	9.0	260.0	
173.0	CARBONDALE	ANNA	BLACK SHALE	6.0	269.0	
167.0	CARBONDALE	HERRIN	COAL	7.5	275.0	

MAPID: 02701856000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 9 QUARTERS/FOOTAGES: 990' S line, 330' W line of NW

QUADRANGLE: TRENTON LONGITUDE: -89.66691 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.548862 DATE COLLECTED: 6 / 0 / 1961

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 276.0 LOG TYPE: Electric Log

SOURCE: BRAND OIL WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
214.5	MODESTO	PIASA	LIMESTONE	5.5	232.5	
209.0	MODESTO		UNCLASSIFIED	2.0	238.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
207.0	CARBONDALE		UNCLASSIFIED	5.0	240.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
202.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	245.0	
198.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	249.0	
195.0	CARBONDALE		UNCLASSIFIED	3.0	252.0	SHALE ABOVE BRERETON LIMESTONE
192.0	CARBONDALE	BRERETON	LIMESTONE	14.0	255.0	
178.0	CARBONDALE	ANNA	BLACK SHALE	1.0	269.0	
177.0	CARBONDALE	HERRIN	COAL	6.0	270.0	

MAPID: 02703358000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 9 QUARTERS/FOOTAGES: 10' N line, 40' E line of NW

QUADRANGLE: TRENTON LONGITUDE: -89.658985 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.553362 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 307.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
192.1	MODESTO	PIASA	LIMESTONE	5.0	254.9	
187.1	MODESTO		UNCLASSIFIED	2.0	259.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
185.1	CARBONDALE	DANVILLE	COAL	0.5	261.9	
184.6	CARBONDALE		UNCLASSIFIED	10.8	262.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
173.8	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	273.2	
168.8	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	278.2	
166.8	CARBONDALE		UNCLASSIFIED	2.0	280.2	SHALE ABOVE BRERETON LIMESTONE
164.8	CARBONDALE	BRERETON	LIMESTONE	14.0	282.2	
150.8	CARBONDALE	ANNA	BLACK SHALE	2.8	296.2	
148.0	CARBONDALE	HERRIN	COAL	8.0	299.0	

MAPID: 02703254000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 10 QUARTERS/FOOTAGES: 990' N line, 330' W line

QUADRANGLE: TRENTON LONGITUDE: -89.648373 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.550707 DATE COLLECTED: 11 / 0 / 1965

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 326.5 LOG TYPE: Drillers Log

SOURCE: ROBISON, H. F. WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
164.0	MODESTO	PIASA	LIMESTONE	5.0	277.0	
159.0	MODESTO		UNCLASSIFIED	3.0	282.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
156.0	CARBONDALE	DANVILLE	COAL	1.5	285.0	
154.5	CARBONDALE		UNCLASSIFIED	8.5	286.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
146.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.0	295.0	
143.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	298.0	
141.0	CARBONDALE		UNCLASSIFIED	2.0	300.0	SHALE ABOVE BRERETON LIMESTONE
139.0	CARBONDALE	BRERETON	LIMESTONE	15.0	302.0	
124.0	CARBONDALE	ANNA	BLACK SHALE	3.0	317.0	
121.0	CARBONDALE	HERRIN	COAL	6.5	320.0	

MAPID: 02704138000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 11 **QUARTERS/FOOTAGES:** 2310' N line, 1320' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.616847 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.547794 **DATE COLLECTED:** 2 / 2 / 1971
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 309.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 12066C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
143.9	CARBONDALE	HERRIN	COAL	7.4	301.1	

MAPID: 02704138000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 11 **QUARTERS/FOOTAGES:** 2310' N line, 1320' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.616847 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.547794 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 308.4 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 12066C **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
188.0	MODESTO	PIASA	LIMESTONE	8.5	257.0	
179.5	CARBONDALE		GRAY SHALE	14.3	265.5	
165.2	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	2.7	279.8	UPPER BENCH
162.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.5	282.5	SHALE PARTING
160.0	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	5.8	285.0	LOWER BENCH
154.2	CARBONDALE	CONANT	LIMESTONE	1.0	290.8	
153.2	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	7.0	291.8	
146.2	CARBONDALE	ANNA	DARK GRAY SHALE	2.3	298.8	
144.0	CARBONDALE	HERRIN	COAL	7.4	301.0	

MAPID: 02700241000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 12 **QUARTERS/FOOTAGES:** 100' S line, 225' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.593974 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.539185 **DATE COLLECTED:** 0 / 0 / 1921
SURFACE ELEVATION (FT.): 431.6 **LOGGED (FT.):** 378.0 **LOG TYPE:**
SOURCE: INTRNTL CC **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.6	CARBONDALE	HERRIN	COAL	3.5	333.0	CORRELATION UNCERTAIN

MAPID: 02700241000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 12 QUARTERS/FOOTAGES: 100' S line, 225' E line

QUADRANGLE: BREESE LONGITUDE: -89.593974 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.539185 DATE COLLECTED: 1 / 0 / 1921

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 335.5 LOG TYPE: Drillers Log

SOURCE: INTERNAT'L. COAL & MNG. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	CARBONDALE	HERRIN	COAL	3.5	332.0	

MAPID: 02700241000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 12 QUARTERS/FOOTAGES: 100' S line, 225' E line

QUADRANGLE: BREESE LONGITUDE: -89.593974 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.539185 DATE COLLECTED: 1 / 14 / 1921

SURFACE ELEVATION (FT.): 431.6 LOGGED (FT.): 378.0 LOG TYPE: Drillers Log

SOURCE: INTERNATIONAL COAL & COKE CO., #1 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
431.6			UNCONSOLIDATED	46.0	0.0	
385.6	MODESTO		SHALE	39.0	46.0	
346.6	MODESTO		SANDY SHALE	10.0	85.0	
336.6	MODESTO		SANDSTONE	101.0	95.0	
235.6	MODESTO		SHALE	27.0	196.0	
208.6	MODESTO		BLACK SHALE	37.0	223.0	
171.6	MODESTO		SHALE	10.0	260.0	
161.6	MODESTO		SANDSTONE	24.0	270.0	
137.6	MODESTO		SHALE	5.5	294.0	
132.1	MODESTO	PIASA	LIMESTONE	7.5	299.5	
124.6	MODESTO		BLACK SHALE	1.0	307.0	
123.6	MODESTO		SHALE	3.0	308.0	
120.6	MODESTO		BLACK SHALE	4.0	311.0	
116.6	CARBONDALE		SHALE	3.0	315.0	
113.6	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	318.0	
107.6	CARBONDALE		SHALE	3.0	324.0	
104.6	CARBONDALE		LIMESTONE	1.8	327.0	
102.8	CARBONDALE		SHALE	0.8	328.8	
102.1	CARBONDALE		LIMESTONE	0.8	329.5	
101.3	CARBONDALE		SHALE	2.3	330.3	
99.1	CARBONDALE	HERRIN	COAL	3.5	332.5	UPPER BENCH
95.6	CARBONDALE	HERRIN	SHALE	0.2	336.0	
95.4	CARBONDALE	HERRIN	COAL	0.1	336.2	
95.3	CARBONDALE	HERRIN	SHALE	10.8	336.3	SHALE PARTING
84.6	CARBONDALE	HERRIN	COAL	2.6	347.0	MIDDLE BENCH
82.0	CARBONDALE	HERRIN	SHALE	0.3	349.6	SHALE PARTING
81.7	CARBONDALE	HERRIN	COAL	3.2	349.9	LOWER BENCH
78.5	CARBONDALE		CLAYSTONE & SILTSTONE	9.9	353.1	
68.6	CARBONDALE		SHALE	15.0	363.0	

MAPID: 02700540000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 12 **QUARTERS/FOOTAGES:** 3300' S line, 3375' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.605151 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.548325 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 441.3 **LOGGED (FT.):** 1033.0 **LOG TYPE:**
SOURCE: MATCHES **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.3	CARBONDALE	HERRIN	COAL	5.0	350.0	DEPTH UNCERTAIN

MAPID: 02701380000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NW
QUADRANGLE: BREESE **LONGITUDE:** -89.606284 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.553177 **DATE COLLECTED:** 12 / 0 / 1956
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 340.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Structure Test
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
156.1	MODESTO	PIASA	LIMESTONE	5.0	287.9	
151.1	MODESTO		UNCLASSIFIED	5.8	292.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
145.3	CARBONDALE	DANVILLE	COAL	2.3	298.7	
143.0	CARBONDALE		UNCLASSIFIED	13.0	301.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
130.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	314.0	
124.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	320.0	
122.0	CARBONDALE		UNCLASSIFIED	2.0	322.0	SHALE ABOVE BRERETON LIMESTONE
120.0	CARBONDALE	BRERETON	LIMESTONE	5.5	324.0	
114.5	CARBONDALE	ANNA	BLACK SHALE	2.5	329.5	
112.0	CARBONDALE	HERRIN	COAL	8.0	332.0	

MAPID: 02703650000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 12 **QUARTERS/FOOTAGES:** 0' N line, 330' W line of NE NE NW
QUADRANGLE: BREESE **LONGITUDE:** -89.603933 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.55401 **DATE COLLECTED:** 1 / 17 / 1969
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 340.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 8351 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELBURN	DANVILLE	COAL	2.3	298.9	
-			COAL	0.4	307.0	
-	CARBONDALE	HERRIN	COAL	8.5	330.0	

MAPID: 0270365000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 12 QUARTERS/FOOTAGES: 0' N line, 330' W line of NE NE NW

QUADRANGLE: BREESE LONGITUDE: -89.603933 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.55401 DATE COLLECTED:

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 338.5 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8351 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
151.7	MODESTO	PIASA	LIMESTONE	6.5	290.3
145.2	MODESTO		UNCLASSIFIED	2.1	296.8
143.1	CARBONDALE	DANVILLE	COAL	2.3	298.9
140.8	CARBONDALE		UNCLASSIFIED	12.6	301.2
128.2	CARBONDALE	BANKSTON FORK	LIMESTONE	4.8	313.8
123.4	CARBONDALE	ANVIL ROCK	SANDSTONE	2.0	318.6
121.4	CARBONDALE		SHALE	1.5	320.6
119.9	CARBONDALE	BRERETON	LIMESTONE	5.0	322.1
114.9	CARBONDALE	ANNA	BLACK SHALE	2.9	327.1
112.0	CARBONDALE	HERRIN	COAL	8.5	330.0

MAPID: 0270406000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 12 QUARTERS/FOOTAGES: 1320' N line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.612176 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.550634 DATE COLLECTED: 9 / 20 / 1971

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 337.3 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12816C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
149.0	SHELburn	DANVILLE	COAL	3.6	291.0
115.7	CARBONDALE	HERRIN	COAL	8.8	324.3

MAPID: 0270406000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 12 **QUARTERS/FOOTAGES:** 1320' N line, 0' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.612176 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.550634 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 332.8 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12816C **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
157.8	MODESTO	PIASA	LIMESTONE	6.5	282.2
151.3	MODESTO		GRAY SHALE	1.0	288.7
150.3	CARBONDALE	DANVILLE	COAL	3.6	289.7
146.7	CARBONDALE		GRAY SHALE	9.9	293.3
136.8	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	5.8	303.2
131.0	CARBONDALE	LAWSON	GRAY SHALE	3.7	309.0
127.3	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	7.0	312.7
120.3	CARBONDALE	ANNA	DARK GRAY SHALE	4.3	319.7
116.0	CARBONDALE	HERRIN	COAL	8.8	324.0

MAPID: 02700203000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 13 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: BREESE **LONGITUDE:** -89.610977 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.534744 **DATE COLLECTED:** 0 / 0 / 1907
SURFACE ELEVATION (FT.): 418.7 **LOGGED (FT.):** 1478.0 **LOG TYPE:**
SOURCE: HOBLITZELL **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0	

MAPID: 02701781000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 13 **QUARTERS/FOOTAGES:** 28' N line, 330' W line of NW NW NE
QUADRANGLE: BREESE **LONGITUDE:** -89.601577 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.539041 **DATE COLLECTED:** 0 / 0 / 1958
SURFACE ELEVATION (FT.): 427.1 **LOGGED (FT.):** 335.7 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3240 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
132.6	SHELBURN	DANVILLE	COAL	3.0	294.5
102.7	CARBONDALE	HERRIN	COAL	8.4	324.4

MAPID: 02701781000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 13 QUARTERS/FOOTAGES: 28' N line, 330' W line of NW NW NE

QUADRANGLE: BREESE LONGITUDE: -89.601577 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.539041 DATE COLLECTED:

SURFACE ELEVATION (FT.): 427.0 LOGGED (FT.): 332.4 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3240 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
143.4	MODESTO	PIASA	LIMESTONE	8.7	283.6
134.7	MODESTO		UNCLASSIFIED	2.0	292.3
132.7	CARBONDALE	DANVILLE	COAL	3.0	294.3
129.7	CARBONDALE		UNCLASSIFIED	7.5	297.3
122.2	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	304.8
114.2	CARBONDALE	ANVIL ROCK	SANDSTONE	1.5	312.8
112.7	CARBONDALE		SHALE	1.5	314.3
111.2	CARBONDALE	BRERETON	LIMESTONE	6.3	315.8
104.9	CARBONDALE	ANNA	BLACK SHALE	1.9	322.1
103.0	CARBONDALE	HERRIN	COAL	8.4	324.0

MAPID: 02703380000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: BREESE LONGITUDE: -89.603722 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.527231 DATE COLLECTED: 9 / 0 / 1967

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 324.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
157.0	MODESTO	PIASA	LIMESTONE	7.0	279.0
150.0	MODESTO		UNCLASSIFIED	4.0	286.0
146.0	CARBONDALE	DANVILLE	COAL	2.0	290.0
144.0	CARBONDALE		UNCLASSIFIED	5.0	292.0
139.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.5	297.0
134.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	301.5
132.0	CARBONDALE		UNCLASSIFIED	2.0	304.0
130.0	CARBONDALE	BRERETON	LIMESTONE	8.0	306.0
122.0	CARBONDALE	ANNA	BLACK SHALE	3.0	314.0
119.0	CARBONDALE	HERRIN	COAL	7.0	317.0

MAPID: 02703435000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 13 **QUARTERS/FOOTAGES:** 0' S line, 0' W line of SW SW SW
QUADRANGLE: BREESE **LONGITUDE:** -89.611871 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.52457 **DATE COLLECTED:** 11 / 6 / 1967
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 319.5 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 8205C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELburn	DANVILLE	COAL	1.8	284.8	
-	CARBONDALE	HERRIN	COAL	7.6	309.8	REMOVED BY CO.

MAPID: 02703435000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 13 **QUARTERS/FOOTAGES:** 0' S line, 0' W line of SW SW SW
QUADRANGLE: BREESE **LONGITUDE:** -89.611871 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.52457 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 317.6 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 8205C **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
160.2	MODESTO	PIASA	LIMESTONE	8.2	270.8	
152.0	MODESTO		UNCLASSIFIED	2.0	279.0	
150.0	CARBONDALE		UNCLASSIFIED	9.7	281.0	
140.3	CARBONDALE	BANKSTON FORK	LIMESTONE	11.8	290.7	
128.5	CARBONDALE	ANVIL ROCK	SANDSTONE	1.5	302.5	
127.0	CARBONDALE		SHALE	1.0	304.0	
126.0	CARBONDALE	BRERETON	LIMESTONE	3.0	305.0	
123.0	CARBONDALE	ANNA	BLACK SHALE	2.0	308.0	
121.0	CARBONDALE	HERRIN	COAL	7.6	310.0	

MAPID: 02704122000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 13 **QUARTERS/FOOTAGES:** 78' S line, 2090' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.60453 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.52469 **DATE COLLECTED:** 7 / 12 / 1972
SURFACE ELEVATION (FT.): 432.0 **LOGGED (FT.):** 386.0 **LOG TYPE:** Survey Core Study
SOURCE: CARTER OIL COMPANY 7B-631 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.5	SHELburn	DANVILLE	COAL	3.0	299.5	
104.7	CARBONDALE	HERRIN	COAL	8.1	327.3	

MAPID: 02704122000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 13 QUARTERS/FOOTAGES: 78' S line, 2090' W line

QUADRANGLE: BREESE LONGITUDE: -89.60453 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.52469 DATE COLLECTED:

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 335.1 LOG TYPE: Drillers Log

SOURCE: CARTER OIL COMPANY 7B-631 WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
144.3	MODESTO	PIASA	LIMESTONE	7.5	287.7
136.8	MODESTO		GRAY SHALE	4.0	295.2
132.8	CARBONDALE	DANVILLE	COAL	3.0	299.2
129.8	CARBONDALE		CLAYSTONE	1.5	302.2
128.3	CARBONDALE		GRAY SHALE	4.5	303.7
123.8	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	8.0	308.2
115.8	CARBONDALE	LAWSON	GRAY SHALE	5.0	316.2
110.8	CARBONDALE	BRERETON	LIMESTONE	2.0	321.2
108.8	CARBONDALE	ANNA	DARK GRAY SHALE	3.8	323.2
105.0	CARBONDALE	HERRIN	COAL	8.1	327.0

MAPID: 02726516000C VERSION: 1

PROJECT: NCRDS99

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 13 QUARTERS/FOOTAGES: 550' S line, 2560' W line

QUADRANGLE: BREESE LONGITUDE: -89.602915 GEOLOGIST: J MCBETH

CONFIDENTIAL: N LATITUDE: 38.52597 DATE COLLECTED: 7 / 5 / 1974

SURFACE ELEVATION (FT.): 430.9 LOGGED (FT.): 361.7 LOG TYPE: Drillers Log

SOURCE: MONTEREY COAL CO M2-C-8 WELL TYPE: Coal Test

COMMENT: PERMIT 57, #2 MINE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
430.9	PLEISTOCENE		SOIL	0.7	0.0	
430.2	PLEISTOCENE		CLAY	5.3	0.7	
424.9	PLEISTOCENE		SILT	7.0	6.0	
417.9	PLEISTOCENE		CLAY	5.0	13.0	
412.9	PLEISTOCENE		SAND	20.0	18.0	
392.9	PLEISTOCENE		SILT	5.0	38.0	
387.9	PLEISTOCENE		CLAY	5.0	43.0	
382.9	PLEISTOCENE		SILT	8.0	48.0	
374.9			SHALE	15.0	56.0	DARK GRAY
359.9			SHALE	5.2	71.0	GREEN GRAY WITH SIDERITE
354.7			SILTSTONE	21.5	76.2	1.6'LOSS
333.2			SANDSTONE	71.7	97.7	COAL SPARS; WATER BEARING
261.5			SILTY SHALE	6.8	169.4	
254.7			SANDSTONE	5.4	176.2	
249.3			SHALE	8.0	181.6	
241.3			SANDSTONE	22.8	189.6	
218.5			SILTY SHALE	17.2	212.4	20 DIP
201.3			SHALE	17.7	229.6	SILTY AT TOP15-20 DIP
183.6			SHALE	10.7	247.3	CALCAREOUS, FOSSILIFEROUS, WITH 20 DIP
172.9			SHALE	27.6	258.0	DARK GRAY; SPARSE SIDERITE
145.3			SHALE	13.2	285.6	WITH NODULES
132.1			SANDSTONE	2.8	298.8	CALCAREOUS, LIGHT GRAY
129.3			SHALE	6.2	301.6	CALCAREOUS, CARBONACEOUS ZONE
123.1	CARBONDALE	BANKSTON FORK	LIMESTONE	5.9	307.8	PALE YELLOW BROWN
117.2	CARBONDALE		SHALE	4.6	313.7	CALCAREOUS AT BASE
112.6	CARBONDALE		LIMESTONE	4.1	318.3	MEDIUM GRAY AND TAN; FOSSILIFEROUS
108.5	CARBONDALE	ANNA	SHALE	3.2	322.4	CARBONACEOUS; BLACK
105.3	CARBONDALE	HERRIN	COAL	7.7	325.6	
97.6	CARBONDALE		CLAYSTONE	5.8	333.3	
91.8	CARBONDALE		LIMESTONE	4.9	339.1	
86.9	CARBONDALE		CLAYSTONE	5.9	344.0	
81.0	CARBONDALE		SILTY SHALE	2.7	349.9	
78.3	CARBONDALE		SILTSTONE	9.1	352.6	1.05' CORE LOSS AT BASE

MAPID: 02726517000C VERSION: 1

PROJECT: NCRDS99

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 13 QUARTERS/FOOTAGES: 2604' N line, 2020' W line

QUADRANGLE: BREESE LONGITUDE: -89.604984 GEOLOGIST: J MCBETH

CONFIDENTIAL: N LATITUDE: 38.532022 DATE COLLECTED: 11 / 21 / 1971

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 328.9 LOG TYPE: Drillers Log

SOURCE: MONTEREY COAL CO. 7B-542 WELL TYPE: Coal Test

COMMENT: PERMITS 57; #2 MINE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
432.0	PLEISTOCENE		CLAY	6.0	0.0	
426.0	PLEISTOCENE		SANDY CLAY	13.0	6.0	
413.0	PLEISTOCENE		SAND	13.0	19.0	
400.0	PLEISTOCENE		CLAY	22.0	32.0	WITH GRAVEL
378.0	MODESTO		GRAY SHALE	5.0	54.0	
373.0	MODESTO		SILTY SHALE	16.0	59.0	CALCAREOUS
357.0	MODESTO		SANDSTONE	130.0	75.0	CALCAREOUS
227.0	MODESTO		SILTY SHALE	6.0	205.0	
221.0	MODESTO		SANDSTONE	6.0	211.0	CALCAREOUS
215.0	MODESTO		SILTY SHALE	23.0	217.0	
192.0	MODESTO		SANDY SHALE	15.0	240.0	
177.0	MODESTO		SANDSTONE	9.0	255.0	
168.0	MODESTO		SHALE	3.0	264.0	
165.0	MODESTO	PIASA	LIMESTONE	9.0	267.0	
156.0	MODESTO		SHALE	3.0	276.0	CALCAREOUS
153.0	CARBONDALE	DANVILLE	COAL	2.5	279.0	
150.5	CARBONDALE		UNDERCLAY	3.5	281.5	CALCAREOUS
147.0	CARBONDALE		SHALE	6.5	285.0	CALCAREOUS
140.5	CARBONDALE		LIMESTONE	7.6	291.5	
132.9	CARBONDALE		CLAYSTONE	2.3	299.1	CALCAREOUS
130.6	CARBONDALE		SHALE	5.5	301.4	CALCAREOUS
125.1	CARBONDALE	ANNA	SHALE	3.5	306.9	CALCAREOUS; BLACK
121.6	CARBONDALE	HERRIN	COAL	8.4	310.4	
113.2	CARBONDALE		UNDERCLAY	0.2	318.8	
113.0	CARBONDALE		CLAYSTONE	1.6	319.0	CALCAREOUS
111.4	CARBONDALE		LIMESTONE	4.1	320.6	
107.3	CARBONDALE		CLAYSTONE	2.1	324.7	CALCAREOUS
105.2	CARBONDALE		CLAYSTONE	1.2	326.8	SILTY, CALCAREOUS
104.0	CARBONDALE		LIMESTONE	0.9	328.0	ARGILLACEOUS

MAPID: 02703269000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 14 QUARTERS/FOOTAGES: 330' S line, 330' E line of SE NE

QUADRANGLE: BREESE LONGITUDE: -89.613269 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.532904 DATE COLLECTED: 6 / 0 / 1966

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 312.5 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
171.5	MODESTO	PIASA	LIMESTONE	8.0	263.5	
163.5	MODESTO		UNCLASSIFIED	3.5	271.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
160.0	CARBONDALE	DANVILLE	COAL	2.0	275.0	
158.0	CARBONDALE		UNCLASSIFIED	9.5	277.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
148.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	286.5	
144.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	290.5	
142.5	CARBONDALE		UNCLASSIFIED	1.5	292.5	SHALE ABOVE BRERETON LIMESTONE
141.0	CARBONDALE	BRERETON	LIMESTONE	10.0	294.0	
131.0	CARBONDALE	ANNA	BLACK SHALE	3.0	304.0	
128.0	CARBONDALE	HERRIN	COAL	5.5	307.0	

MAPID: 02704123000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 14 QUARTERS/FOOTAGES: 1290' S line, 885' E line

QUADRANGLE: BREESE LONGITUDE: -89.615086 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.528148 DATE COLLECTED: 11 / 8 / 1972

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 380.0 LOG TYPE: Survey Core Study

SOURCE: CARTER OIL COMPANY 7A-662 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
191.0	SHELBURN	DANVILLE	COAL	3.1	237.0	UPPER BLOCK
160.5	SHELBURN	DANVILLE	COAL	3.0	267.5	LOWER BLOCK

MAPID: 02704123000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 14 QUARTERS/FOOTAGES: 1290' S line, 885' E line

QUADRANGLE: BREESE LONGITUDE: -89.615086 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.528148 DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 303.7 LOG TYPE: Survey Core Study

SOURCE: CARTER OIL COMPANY 7A-662 WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
174.5	MODESTO	PIASA	LIMESTONE	8.6	253.5
166.0	MODESTO		DARK GRAY SHALE	6.8	262.0
159.2	CARBONDALE	DANVILLE	COAL	3.0	268.8
156.2	CARBONDALE		SHALE	7.2	271.8
149.0	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	7.0	279.0
142.1	CARBONDALE	LAWSON	GRAY SHALE	4.0	285.9
138.1	CARBONDALE	BRERETON	LIMESTONE	1.5	289.9
136.6	CARBONDALE	ANNA	BLACK SHALE	3.6	291.4
133.0	CARBONDALE	HERRIN	COAL	8.7	295.0

MAPID: 02704127000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 14 QUARTERS/FOOTAGES: 315' N line, 950' W line of NW NW

QUADRANGLE: TRENTON LONGITUDE: -89.627605 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.538537 DATE COLLECTED: 10 / 17 / 1972

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 363.0 LOG TYPE: Multiple log types

SOURCE: CARTER OIL COMPANY 7A-651 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
159.0	SHELBURN	DANVILLE	COAL	2.0	274.0
127.0	CARBONDALE	HERRIN	COAL	7.6	306.0

MAPID: 02703317000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 15 QUARTERS/FOOTAGES: 2310' N line, 1650' E line

QUADRANGLE: TRENTON LONGITUDE: -89.636713 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.532892 DATE COLLECTED: 2 / 0 / 1967

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 302.5 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.0	MODESTO	PIASA	LIMESTONE	6.0	259.0	
173.0	MODESTO		UNCLASSIFIED	4.0	265.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
169.0	CARBONDALE	DANVILLE	COAL	1.0	269.0	
168.0	CARBONDALE		UNCLASSIFIED	5.0	270.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
163.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	275.0	
159.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.0	279.0	
158.0	CARBONDALE	BRERETON	LIMESTONE	15.5	280.0	
142.5	CARBONDALE	ANNA	BLACK SHALE	1.5	295.5	
141.0	CARBONDALE	HERRIN	COAL	5.5	297.0	

MAPID: 02703317000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 15 QUARTERS/FOOTAGES: 2310' N line, 1650' E line

QUADRANGLE: TRENTON LONGITUDE: -89.636713 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.532892 DATE COLLECTED:

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 305.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.5	MODESTO	PIASA	LIMESTONE	6.0	258.5	
173.5	MODESTO		SHALE	4.0	264.5	
169.5	CARBONDALE	DANVILLE	COAL	1.0	268.5	
168.5	CARBONDALE		SHALE	11.0	269.5	
157.5	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	5.0	280.5	
152.5	CARBONDALE	LAWSON	SHALE	3.0	285.5	
149.5	CARBONDALE	CONANT	LIMESTONE	1.0	288.5	
148.5	CARBONDALE		SHALE	4.0	289.5	
144.5	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.5	293.5	
141.0	CARBONDALE	ANNA	SHALE	2.0	297.0	
139.0	CARBONDALE	HERRIN	COAL	6.0	299.0	

MAPID: 02701686000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 16 QUARTERS/FOOTAGES: 990' N line, 990' W line

QUADRANGLE: TRENTON LONGITUDE: -89.664487 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.536169 DATE COLLECTED: 2 / 0 / 1959

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 317.0 LOG TYPE: Electric Log

SOURCE: BRAND OIL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
171.0	MODESTO	PIASA	LIMESTONE	6.5	273.0	
164.5	MODESTO		UNCLASSIFIED	2.5	279.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
162.0	CARBONDALE		UNCLASSIFIED	6.5	282.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
155.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	288.5	
150.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	294.0	
148.0	CARBONDALE		UNCLASSIFIED	1.0	296.0	SHALE ABOVE BRERETON LIMESTONE
147.0	CARBONDALE	BRERETON	LIMESTONE	11.0	297.0	
136.0	CARBONDALE	ANNA	BLACK SHALE	3.0	308.0	
133.0	CARBONDALE	HERRIN	COAL	6.0	311.0	

MAPID: 02701686000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 16 QUARTERS/FOOTAGES: 990' N line, 990' W line

QUADRANGLE: TRENTON LONGITUDE: -89.664487 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.536169 DATE COLLECTED:

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 318.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
169.0	MODESTO	PIASA	LIMESTONE	7.0	275.0	
162.0	MODESTO		SHALE	9.0	282.0	
153.0	CARBONDALE	DANVILLE	COAL	3.0	291.0	
150.0	CARBONDALE		SHALE	4.0	294.0	
146.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	6.0	298.0	
140.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	304.0	
137.0	CARBONDALE	ANNA	SHALE	3.0	307.0	
132.0	CARBONDALE	HERRIN	COAL	6.0	312.0	

MAPID: 02700214000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 17 **QUARTERS/FOOTAGES:** 2600' S line, 5175' E line
QUADRANGLE: TRENTON **LONGITUDE:** -89.68613 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.53118 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 452.9 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: S O U C C M 9 **WELL TYPE:** Underground mine
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.9	CARBONDALE	HERRIN	COAL	8.0	319.0	

MAPID: 02700214000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 17 **QUARTERS/FOOTAGES:** 2600' S line, 5175' E line
QUADRANGLE: TRENTON **LONGITUDE:** -89.68613 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.53118 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 326.0 **LOG TYPE:** Drillers Log
SOURCE: S O U T H E R N C O A L & C O K E **WELL TYPE:** Mine Shaft
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	CARBONDALE	HERRIN	COAL	7.0	319.0	

MAPID: 02701149000C **VERSION:** 1 **PROJECT:** IDMM-GWQX
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NE
QUADRANGLE: TRENTON **LONGITUDE:** -89.671505 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.534259 **DATE COLLECTED:** 11 / 0 / 1955
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 580.0 **LOG TYPE:** Electric Log
SOURCE: T E X A S C O M P A N Y , T H E **WELL TYPE:** Producer-Oil
COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
1.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	430.0	
-149.0	BASE OF PENN.		UNCLASSIFIED	-	580.0	

MAPID: 02701149000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.671505 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.534259 DATE COLLECTED: 11 / 0 / 1955

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 319.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
156.0	MODESTO	PIASA	LIMESTONE	5.0	275.0	
151.0	MODESTO		UNCLASSIFIED	1.5	280.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
149.5	CARBONDALE		UNCLASSIFIED	3.5	281.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
146.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	12.0	285.0	
134.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	297.0	
131.0	CARBONDALE		UNCLASSIFIED	3.0	300.0	SHALE ABOVE BRERETON LIMESTONE
128.0	CARBONDALE	BRERETON	LIMESTONE	7.0	303.0	
121.0	CARBONDALE	ANNA	BLACK SHALE	2.0	310.0	
119.0	CARBONDALE	HERRIN	COAL	7.0	312.0	

MAPID: 02700204000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 18 QUARTERS/FOOTAGES: 2800' S line, 75' E line

QUADRANGLE: TRENTON LONGITUDE: -89.687013 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.531726 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 451.5 LOGGED (FT.): 1385.0 LOG TYPE:

SOURCE: SOU C C M WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.5	CARBONDALE	HERRIN	COAL	8.0	319.0	

MAPID: 02700204000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 18 QUARTERS/FOOTAGES: 2800' S line, 75' E line

QUADRANGLE: TRENTON LONGITUDE: -89.687013 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.531726 DATE COLLECTED: 8 / 0 / 1911

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 329.0 LOG TYPE: Drillers Log

SOURCE: SOUTHERN COAL & COKE WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
175.0	MODESTO	PIASA	LIMESTONE	6.0	277.0	
169.0	MODESTO		UNCLASSIFIED	3.0	283.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
166.0	CARBONDALE		UNCLASSIFIED	9.0	286.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
157.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	12.0	295.0	
145.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	307.0	
142.0	CARBONDALE		UNCLASSIFIED	3.0	310.0	SHALE ABOVE BRERETON LIMESTONE
139.0	CARBONDALE	BRERETON	LIMESTONE	6.0	313.0	
133.0	CARBONDALE	ANNA	BLACK SHALE	2.0	319.0	
131.0	CARBONDALE	HERRIN	COAL	8.0	321.0	

MAPID: 02702073000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 20 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: TRENTON LONGITUDE: -89.675967 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517735 DATE COLLECTED: 5 / 0 / 1964

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 289.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
188.0	MODESTO	PIASA	LIMESTONE	7.5	244.0	
180.5	MODESTO		UNCLASSIFIED	3.5	251.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
177.0	CARBONDALE	DANVILLE	COAL	1.0	255.0	
176.0	CARBONDALE		UNCLASSIFIED	6.0	256.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
170.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	262.0	
165.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	267.0	
163.0	CARBONDALE		UNCLASSIFIED	2.0	269.0	SHALE ABOVE BRERETON LIMESTONE
161.0	CARBONDALE	BRERETON	LIMESTONE	10.0	271.0	
151.0	CARBONDALE	ANNA	BLACK SHALE	2.0	281.0	
149.0	CARBONDALE	HERRIN	COAL	6.0	283.0	

MAPID: 02702073000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 20 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: TRENTON LONGITUDE: -89.675967 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.517735 DATE COLLECTED:

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 289.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
189.0	MODESTO	PIASA	LIMESTONE	7.0	243.0
182.0	CARBONDALE		SHALE	11.0	250.0
171.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	4.0	261.0
167.0	CARBONDALE	LAWSON	SHALE	7.0	265.0
160.0	CARBONDALE	CONANT	LIMESTONE	2.0	272.0
158.0	CARBONDALE		SHALE	3.0	274.0
155.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	277.0
152.0	CARBONDALE	ANNA	SHALE	2.0	280.0
150.0	CARBONDALE	HERRIN	COAL	7.0	282.0

MAPID: 02702073000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 20 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: TRENTON LONGITUDE: -89.675967 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.517735 DATE COLLECTED: 5 / 0 / 1964

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 406.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
190.0	MODESTO	PIASA	UNCLASSIFIED	-	242.0
151.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	281.0
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	
90.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	342.0
67.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	365.0
26.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	406.0

MAPID: 02701212000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.652772 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517978 DATE COLLECTED: 12 / 0 / 1955

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 286.0 LOG TYPE: Electric Log

SOURCE: COLLIN BROS OIL CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
182.5	MODESTO		UNCLASSIFIED	2.5	251.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
180.0	CARBONDALE		UNCLASSIFIED	6.0	254.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
174.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	260.0	
167.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	267.0	
164.5	CARBONDALE		UNCLASSIFIED	2.5	269.5	SHALE ABOVE BRERETON LIMESTONE
162.0	CARBONDALE	BRERETON	LIMESTONE	5.0	272.0	
157.0	CARBONDALE	ANNA	BLACK SHALE	2.0	277.0	
155.0	CARBONDALE	HERRIN	COAL	7.0	279.0	

MAPID: 02702553000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 21 QUARTERS/FOOTAGES: 2310' N line, 1650' W line

QUADRANGLE: TRENTON LONGITUDE: -89.662052 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517893 DATE COLLECTED: 11 / 0 / 1954

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 277.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
197.6	MODESTO	PIASA	LIMESTONE	4.5	235.4	
193.1	MODESTO		UNCLASSIFIED	2.8	239.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
190.3	CARBONDALE		UNCLASSIFIED	5.8	242.7	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
184.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.5	248.5	
180.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	253.0	
178.0	CARBONDALE		UNCLASSIFIED	2.0	255.0	SHALE ABOVE BRERETON LIMESTONE
176.0	CARBONDALE	BRERETON	LIMESTONE	11.5	257.0	
164.5	CARBONDALE	ANNA	BLACK SHALE	2.5	268.5	
162.0	CARBONDALE	HERRIN	COAL	6.0	271.0	

MAPID: 02702553000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 21 QUARTERS/FOOTAGES: 2310' N line, 1650' W line

QUADRANGLE: TRENTON LONGITUDE: -89.662052 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.517893 DATE COLLECTED:

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 282.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
196.0	MODESTO	PIASA	LIMESTONE	5.0	237.0
191.0	CARBONDALE		SHALE	10.0	242.0
181.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	5.0	252.0
176.0	CARBONDALE	LAWSON	SHALE	7.0	257.0
169.0	CARBONDALE	CONANT	LIMESTONE	2.0	264.0
167.0	CARBONDALE		SHALE	3.0	266.0
164.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	269.0
161.0	CARBONDALE	ANNA	SHALE	3.0	272.0
158.0	CARBONDALE	HERRIN	COAL	7.0	275.0

MAPID: 02702554000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: TRENTON LONGITUDE: -89.65741 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.517933 DATE COLLECTED: 1 / 0 / 1953

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 285.0 LOG TYPE: Electric Log

SOURCE: COLLINS BROTHERS OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
172.0	CARBONDALE	BRERETON	LIMESTONE	16.0	262.0
156.0	CARBONDALE	HERRIN	COAL	7.0	278.0

MAPID: 02702555000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW

QUADRANGLE: TRENTON LONGITUDE: -89.666658 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.514204 DATE COLLECTED: 12 / 0 / 1954

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 281.5 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
203.0	MODESTO	PIASA	LIMESTONE	5.5	230.0	
197.5	MODESTO		UNCLASSIFIED	2.5	235.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
195.0	CARBONDALE		UNCLASSIFIED	7.0	238.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
188.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	245.0	
183.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	250.0	
180.5	CARBONDALE		UNCLASSIFIED	2.5	252.5	SHALE ABOVE BRERETON LIMESTONE
178.0	CARBONDALE	BRERETON	LIMESTONE	17.5	255.0	
160.5	CARBONDALE	ANNA	BLACK SHALE	2.5	272.5	
158.0	CARBONDALE	HERRIN	COAL	6.5	275.0	

MAPID: 02702556000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 22 QUARTERS/FOOTAGES: 1666' S line, 299' W line of SE

QUADRANGLE: TRENTON LONGITUDE: -89.63892 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.514563 DATE COLLECTED: 7 / 0 / 1941

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 305.0 LOG TYPE: Electric Log

SOURCE: GERSON A W WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
170.0	MODESTO	PIASA	LIMESTONE	4.0	264.0	
166.0	MODESTO		UNCLASSIFIED	2.0	268.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
164.0	CARBONDALE		UNCLASSIFIED	7.0	270.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
157.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	277.0	
152.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	282.0	
150.0	CARBONDALE		UNCLASSIFIED	1.0	284.0	SHALE ABOVE BRERETON LIMESTONE
149.0	CARBONDALE	BRERETON	LIMESTONE	11.0	285.0	
138.0	CARBONDALE	ANNA	BLACK SHALE	3.0	296.0	
135.0	CARBONDALE	HERRIN	COAL	6.0	299.0	

MAPID: 02703437000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 22 QUARTERS/FOOTAGES: 0' S line, 660' E line

QUADRANGLE: TRENTON LONGITUDE: -89.632917 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.51007 DATE COLLECTED:

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 282.5 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8110 WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
165.4	MODESTO	PIASA	LIMESTONE	6.0	249.6
159.4	CARBONDALE		GRAY SHALE	0.9	255.6
158.5	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	6.1	256.5
152.4	CARBONDALE	LAWSON	DARK GRAY SHALE	4.3	262.6
148.1	CARBONDALE	LAWSON	CALCAREOUS SHALE	1.9	266.9
146.2	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.7	268.8
142.6	CARBONDALE	ANNA	BLACK SHALE	2.6	272.4
140.0	CARBONDALE	HERRIN	COAL	7.5	275.0

MAPID: 02703437000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 22 QUARTERS/FOOTAGES: 0' S line, 660' E line

QUADRANGLE: TRENTON LONGITUDE: -89.632917 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.51007 DATE COLLECTED:

SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 282.5 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8110 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
166.8	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	250.2
160.8	CARBONDALE	ANVIL ROCK	SANDSTONE	0.9	256.2
159.9	CARBONDALE	BRERETON	LIMESTONE	15.2	257.1
144.7	CARBONDALE	ANNA	BLACK SHALE	2.7	272.3
142.0	CARBONDALE	HERRIN	COAL	7.5	275.0

MAPID: 02703437000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 22 QUARTERS/FOOTAGES: 0' S line, 660' E line

QUADRANGLE: TRENTON LONGITUDE: -89.632917 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.51007 DATE COLLECTED: 10 / 31 / 1967

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 283.8 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8110 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
139.7	CARBONDALE	HERRIN	COAL	7.5	275.3

MAPID: 02701779000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 24 QUARTERS/FOOTAGES: 45' N line, 30' E line of NE NE NE
 QUADRANGLE: BREESE LONGITUDE: -89.593277 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.524203 DATE COLLECTED: 0 / 0 / 1958
 SURFACE ELEVATION (FT.): 431.3 LOGGED (FT.): 321.8 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3238 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
153.7	SHELBURN	DANVILLE	COAL	2.8	277.6
120.0	CARBONDALE	HERRIN	COAL	7.3	311.3

MAPID: 02701779000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 24 QUARTERS/FOOTAGES: 45' N line, 30' E line of NE NE NE
 QUADRANGLE: BREESE LONGITUDE: -89.593277 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.524203 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 318.3 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3238 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
163.2	MODESTO	PIASA	LIMESTONE	7.4	267.8
155.8	MODESTO		UNCLASSIFIED	2.7	275.2
153.1	CARBONDALE	DANVILLE	COAL	2.8	277.9
150.3	CARBONDALE		UNCLASSIFIED	13.1	280.7
137.2	CARBONDALE	BANKSTON FORK	LIMESTONE	8.2	293.8
129.0	CARBONDALE	ANVIL ROCK	SANDSTONE	2.0	302.0
127.0	CARBONDALE		SHALE	2.0	304.0
125.0	CARBONDALE	BRERETON	LIMESTONE	2.5	306.0
122.5	CARBONDALE	ANNA	BLACK SHALE	2.5	308.5
120.0	CARBONDALE	HERRIN	COAL	7.3	311.0

MAPID: 02701782000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 24 QUARTERS/FOOTAGES: 40' S line, 1234' E line

QUADRANGLE: BREESE LONGITUDE: -89.597604 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.509863 DATE COLLECTED:

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 355.7 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3301 WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.8	MODESTO	PIASA	LIMESTONE	5.4	307.2	
118.4	MODESTO		GRAY SHALE	7.7	312.6	
110.7	CARBONDALE	DANVILLE	COAL	1.2	320.3	
109.5	CARBONDALE		GRAY SHALE	8.2	321.5	
101.3	CARBONDALE	BANKSTON FORK	LIMESTONE	2.9	329.7	UPPER BENCH
98.4	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.9	332.6	SHALE PARTING
97.5	CARBONDALE	BANKSTON FORK	LIMESTONE	1.4	333.5	LOWER BENCH
96.2	CARBONDALE	LAWSON	GRAY SHALE	6.8	334.8	
89.4	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.6	341.6	
85.8	CARBONDALE	ANNA	BLACK SHALE	2.8	345.2	
83.0	CARBONDALE	HERRIN	COAL	7.7	348.0	

MAPID: 02701782000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 24 QUARTERS/FOOTAGES: 40' S line, 1234' E line

QUADRANGLE: BREESE LONGITUDE: -89.597604 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.509863 DATE COLLECTED:

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 355.7 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3301 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.8	MODESTO	PIASA	LIMESTONE	5.4	307.2	
118.4	MODESTO		UNCLASSIFIED	7.7	312.6	
110.7	CARBONDALE	DANVILLE	COAL	1.2	320.3	
109.5	CARBONDALE		UNCLASSIFIED	8.2	321.5	
101.3	CARBONDALE	BANKSTON FORK	LIMESTONE	5.1	329.7	
96.2	CARBONDALE	ANVIL ROCK	SANDSTONE	3.8	334.8	
92.4	CARBONDALE		SHALE	3.0	338.6	
89.4	CARBONDALE	BRERETON	LIMESTONE	3.6	341.6	
85.8	CARBONDALE	ANNA	BLACK SHALE	2.8	345.2	
83.0	CARBONDALE	HERRIN	COAL	7.7	348.0	

MAPID: 02701782000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 24 **QUARTERS/FOOTAGES:** 40' S line, 1234' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.597604 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.509863 **DATE COLLECTED:** 0 / 0 / 1958
SURFACE ELEVATION (FT.): 430.6 **LOGGED (FT.):** 357.3 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3301 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
110.7	SHELburn	DANVILLE	COAL	1.2	319.9
83.0	CARBONDALE	HERRIN	COAL	7.7	347.6

MAPID: 02703366000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 25 **QUARTERS/FOOTAGES:** 1980' S line, 0' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.611852 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.500888 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 426.0 **LOGGED (FT.):** 300.8 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8044 **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
173.3	MODESTO	PIASA	LIMESTONE	10.5	252.7
162.8	MODESTO		DARK GRAY SHALE	3.9	263.2
158.9	CARBONDALE	DANVILLE	COAL	0.7	267.1
158.3	CARBONDALE		GRAY SHALE	5.4	267.7
152.9	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.9	273.1
148.0	CARBONDALE	LAWSON	GRAY SHALE	4.5	278.0
143.6	CARBONDALE	LAWSON	DARK GRAY SHALE	4.6	282.4
139.0	CARBONDALE	BRERETON	LIMESTONE	3.9	287.0
135.1	CARBONDALE	ANNA	BLACK SHALE	2.1	290.9
133.0	CARBONDALE	HERRIN	COAL	7.8	293.0

MAPID: 02703366000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 25 QUARTERS/FOOTAGES: 1980' S line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.611852 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.500888 DATE COLLECTED:

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 300.8 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8044 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.4	MODESTO	PIASA	LIMESTONE	10.5	252.6	
162.9	MODESTO		UNCLASSIFIED	3.9	263.1	
159.0	CARBONDALE	DANVILLE	COAL	0.6	267.0	
158.4	CARBONDALE		UNCLASSIFIED	5.3	267.6	
153.1	CARBONDALE	BANKSTON FORK	LIMESTONE	4.9	272.9	
148.2	CARBONDALE	ANVIL ROCK	SANDSTONE	4.4	277.8	
143.8	CARBONDALE		SHALE	4.6	282.2	
139.2	CARBONDALE	BRERETON	LIMESTONE	3.7	286.8	
135.5	CARBONDALE	ANNA	BLACK SHALE	2.5	290.5	
133.0	CARBONDALE	HERRIN	COAL	7.8	293.0	

MAPID: 02703366000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 25 QUARTERS/FOOTAGES: 1980' S line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.611852 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.500888 DATE COLLECTED: 6 / 27 / 1967

SURFACE ELEVATION (FT.): 425.6 LOGGED (FT.): 303.3 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8044 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.2	CARBONDALE	HERRIN	COAL	7.8	293.4	REMOVED BY CO.

MAPID: 02701378000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 26 QUARTERS/FOOTAGES: 2310' S line, 1650' W line

QUADRANGLE: BREESE LONGITUDE: -89.624593 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50177 DATE COLLECTED: 8 / 0 / 1954

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 306.5 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
168.6	MODESTO	PIASA	LIMESTONE	7.0	262.4	
161.6	MODESTO		UNCLASSIFIED	2.5	269.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
159.1	CARBONDALE	DANVILLE	COAL	1.0	271.9	
158.1	CARBONDALE		UNCLASSIFIED	5.0	272.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
153.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	277.9	
147.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	283.4	
145.3	CARBONDALE		UNCLASSIFIED	2.3	285.7	SHALE ABOVE BRERETON LIMESTONE
143.0	CARBONDALE	BRERETON	LIMESTONE	9.0	288.0	
134.0	CARBONDALE	ANNA	BLACK SHALE	3.0	297.0	
131.0	CARBONDALE	HERRIN	COAL	6.5	300.0	

MAPID: 02701378000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 26 QUARTERS/FOOTAGES: 2310' S line, 1650' W line

QUADRANGLE: BREESE LONGITUDE: -89.624593 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.50177 DATE COLLECTED:

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 310.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
164.0	MODESTO	PIASA	LIMESTONE	7.0	267.0	
157.0	CARBONDALE		SHALE	10.0	274.0	
147.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	4.0	284.0	
143.0	CARBONDALE	LAWSON	SHALE	6.0	288.0	
137.0	CARBONDALE	CONANT	SHALE	1.0	294.0	
136.0	CARBONDALE		CALCAREOUS SHALE	2.0	295.0	
134.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	297.0	
130.0	CARBONDALE	ANNA	SHALE	3.0	301.0	
127.0	CARBONDALE	HERRIN	COAL	6.5	304.0	

MAPID: 02703376000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 26 QUARTERS/FOOTAGES: 100' N line, 100' W line of SW NW

QUADRANGLE: TRENTON LONGITUDE: -89.630148 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.50615 DATE COLLECTED: 12 / 0 / 1954

SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Structure Test

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	6.5		
-	MODESTO		UNCLASSIFIED	4.5		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	6.8		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.4		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.9		
-	CARBONDALE		UNCLASSIFIED	5.0		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	2.3		
-	CARBONDALE	ANNA	BLACK SHALE	3.0		
-	CARBONDALE	HERRIN	COAL	7.8		ELEVATION OF HERRIN = 156

MAPID: 02700245000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 27 QUARTERS/FOOTAGES: 1100' S line, 550' E line

QUADRANGLE: VENEDY LONGITUDE: -89.632238 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.498396 DATE COLLECTED: 0 / 0 / 1934

SURFACE ELEVATION (FT.): 423.4 LOGGED (FT.): 1279.0 LOG TYPE:

SOURCE: GOLDSCHMDT WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
155.4	CARBONDALE	HERRIN	COAL	12.0	268.0	

MAPID: 0270139000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 27 QUARTERS/FOOTAGES: 990' S line, 330' E line

QUADRANGLE: VENEDY LONGITUDE: -89.631458 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.498101 DATE COLLECTED: 11 / 0 / 1951

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 282.0 LOG TYPE: Electric Log

SOURCE: ANDERSON, F. E. & SON WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
193.5	MODESTO	PIASA	LIMESTONE	8.5	238.5	
185.0	MODESTO		UNCLASSIFIED	3.0	247.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
182.0	CARBONDALE	DANVILLE	COAL	1.0	250.0	
181.0	CARBONDALE		UNCLASSIFIED	4.0	251.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
177.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	255.0	
172.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	260.0	
169.5	CARBONDALE		UNCLASSIFIED	2.5	262.5	SHALE ABOVE BRERETON LIMESTONE
167.0	CARBONDALE	BRERETON	LIMESTONE	7.0	265.0	
160.0	CARBONDALE	ANNA	BLACK SHALE	3.0	272.0	
157.0	CARBONDALE	HERRIN	COAL	7.0	275.0	

MAPID: 02703283000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 990' E line of NE NE

QUADRANGLE: TRENTON LONGITUDE: -89.634008 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.507286 DATE COLLECTED: 8 / 0 / 1966

SURFACE ELEVATION (FT.): 409.0 LOGGED (FT.): 530.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	275.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO IDENTIFIABLE COAL HORIZON
64.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	345.0	
44.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	365.0	
9.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	400.0	
-121.0	BASE OF PENN.		UNCLASSIFIED	-	530.0	

MAPID: 02703283000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 990' E line of NE NE

QUADRANGLE: TRENTON LONGITUDE: -89.634008 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.507286 DATE COLLECTED: 8 / 0 / 1966

SURFACE ELEVATION (FT.): 409.0 LOGGED (FT.): 277.5 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
166.5	MODESTO		UNCLASSIFIED	3.5	242.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
163.0	CARBONDALE	DANVILLE	COAL	1.0	246.0	
162.0	CARBONDALE		UNCLASSIFIED	4.5	247.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
157.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	251.5	
151.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	258.0	
148.5	CARBONDALE		UNCLASSIFIED	2.5	260.5	SHALE ABOVE BRERETON LIMESTONE
146.0	CARBONDALE	BRERETON	LIMESTONE	5.0	263.0	
141.0	CARBONDALE	ANNA	BLACK SHALE	3.0	268.0	
138.0	CARBONDALE	HERRIN	COAL	6.5	271.0	

MAPID: 02701675000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW

QUADRANGLE: TRENTON LONGITUDE: -89.661794 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.503292 DATE COLLECTED: 11 / 0 / 1958

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 281.5 LOG TYPE: Electric Log

SOURCE: MCCULLUM & KINCAID WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
190.5	MODESTO	PIASA	LIMESTONE	7.0	238.5	
183.5	MODESTO		UNCLASSIFIED	1.0	245.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
182.5	CARBONDALE	DANVILLE	COAL	0.5	246.5	
182.0	CARBONDALE		UNCLASSIFIED	8.0	247.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
174.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	255.0	
168.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	261.0	
166.0	CARBONDALE		UNCLASSIFIED	2.0	263.0	SHALE ABOVE BRERETON LIMESTONE
164.0	CARBONDALE	BRERETON	LIMESTONE	8.0	265.0	
156.0	CARBONDALE	ANNA	BLACK SHALE	2.0	273.0	
154.0	CARBONDALE	HERRIN	COAL	6.5	275.0	

MAPID: 02703309000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE

QUADRANGLE: VENEDY LONGITUDE: -89.654735 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.499699 DATE COLLECTED: 12 / 0 / 1966

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 290.5 LOG TYPE: Electric Log

SOURCE: RATLIFF OIL PROD., INC. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
178.5	CARBONDALE		UNCLASSIFIED	3.5	252.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
175.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.0	256.0	
172.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	259.0	
167.5	CARBONDALE		UNCLASSIFIED	2.5	263.5	SHALE ABOVE BRERETON LIMESTONE
165.0	CARBONDALE	BRERETON	LIMESTONE	9.5	266.0	
155.5	CARBONDALE	ENERGY	UNCLASSIFIED	8.5	275.5	
147.0	CARBONDALE	HERRIN	COAL	6.5	284.0	

MAPID: 02703310000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 990' W line

QUADRANGLE: VENEDY LONGITUDE: -89.663907 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.495964 DATE COLLECTED: 12 / 0 / 1966

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 286.5 LOG TYPE: Electric Log

SOURCE: RATLIFF OIL PROD., INC. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
185.5	MODESTO	PIASA	LIMESTONE	5.0	245.5	
180.5	MODESTO		UNCLASSIFIED	3.5	250.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
177.0	CARBONDALE	DANVILLE	COAL	1.0	254.0	
176.0	CARBONDALE		UNCLASSIFIED	4.5	255.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
171.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	259.5	
167.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	263.5	
165.0	CARBONDALE		UNCLASSIFIED	2.5	266.0	SHALE ABOVE BRERETON LIMESTONE
162.5	CARBONDALE	BRERETON	LIMESTONE	7.5	268.5	
155.0	CARBONDALE	ANNA	BLACK SHALE	4.0	276.0	
151.0	CARBONDALE	HERRIN	COAL	6.5	280.0	

MAPID: 02703372000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 28 QUARTERS/FOOTAGES: 1650' S line, 330' E line of SW

QUADRANGLE: VENEDY LONGITUDE: -89.659373 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.499651 DATE COLLECTED: 8 / 0 / 1967

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 287.5 LOG TYPE: Electric Log

SOURCE: RATLIFF OIL PROD., INC. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.0	MODESTO	PIASA	LIMESTONE	6.5	253.0	
172.5	MODESTO		UNCLASSIFIED	2.0	259.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
170.5	CARBONDALE		UNCLASSIFIED	4.0	261.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
166.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	265.5	
162.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	269.5	
160.5	CARBONDALE		UNCLASSIFIED	1.0	271.5	SHALE ABOVE BRERETON LIMESTONE
159.5	CARBONDALE	BRERETON	LIMESTONE	5.0	272.5	
154.5	CARBONDALE	ANNA	BLACK SHALE	3.5	277.5	
151.0	CARBONDALE	HERRIN	COAL	6.5	281.0	

MAPID: 02701785000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 29 QUARTERS/FOOTAGES: 40' S line, 10' E line

QUADRANGLE: VENEDY LONGITUDE: -89.667397 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.495131 DATE COLLECTED:

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 288.6 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3304 WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.3	MODESTO	PIASA	LIMESTONE	8.4	244.7	
173.0	MODESTO		GRAY SHALE	8.9	253.0	
164.0	CARBONDALE	DANVILLE	COAL	1.1	262.0	
163.0	CARBONDALE		GRAY SHALE	2.8	263.0	
160.1	CARBONDALE	GALUM	LIMESTONE	0.6	265.9	
159.5	CARBONDALE		GRAY SHALE	5.0	266.5	
154.5	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.2	271.5	
150.3	CARBONDALE	LAWSON	GRAY SHALE	0.5	275.7	
149.9	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	0.5	276.1	
149.4	CARBONDALE	ANNA	DARK GRAY SHALE	5.4	276.6	
144.0	CARBONDALE	HERRIN	COAL	6.6	282.0	

MAPID: 02701785000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 29 QUARTERS/FOOTAGES: 40' S line, 10' E line
 QUADRANGLE: VENEDY LONGITUDE: -89.667397 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.495131 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 425.0 LOGGED (FT.): 288.6 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3304 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
180.5	MODESTO	PIASA	LIMESTONE	8.4	244.5
172.1	MODESTO		UNCLASSIFIED	3.0	252.9
169.1	CARBONDALE		UNCLASSIFIED	9.9	255.9
159.2	CARBONDALE	BANKSTON FORK	LIMESTONE	9.8	265.8
149.4	CARBONDALE	ANVIL ROCK	SANDSTONE	0.3	275.6
149.1	CARBONDALE		SHALE	0.2	275.9
148.9	CARBONDALE	BRERETON	LIMESTONE	0.5	276.1
148.4	CARBONDALE	ANNA	BLACK SHALE	5.4	276.6
143.0	CARBONDALE	HERRIN	COAL	6.6	282.0

MAPID: 02701785000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 29 QUARTERS/FOOTAGES: 40' S line, 10' E line
 QUADRANGLE: VENEDY LONGITUDE: -89.667397 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.495131 DATE COLLECTED: 0 / 0 / 1958
 SURFACE ELEVATION (FT.): 425.4 LOGGED (FT.): 290.9 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 3304 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
163.2	SHELBURN	DANVILLE	COAL	1.1	262.2
143.1	CARBONDALE	HERRIN	COAL	6.6	282.3

MAPID: 02701792000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: TRENTON LONGITUDE: -89.671105 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.503215 DATE COLLECTED: 4 / 0 / 1960

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 285.0 LOG TYPE: Electric Log

SOURCE: CALVERT PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
168.0	CARBONDALE		UNCLASSIFIED	2.0	260.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
166.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	262.0	
161.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	267.0	
158.0	CARBONDALE		UNCLASSIFIED	3.0	270.0	SHALE ABOVE BRERETON LIMESTONE
155.0	CARBONDALE	BRERETON	LIMESTONE	4.0	273.0	
151.0	CARBONDALE	ANNA	BLACK SHALE	2.0	277.0	
149.0	CARBONDALE	HERRIN	COAL	6.0	279.0	

MAPID: 02701245000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: VENEDY LONGITUDE: -89.687252 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.493982 DATE COLLECTED: 6 / 0 / 1956

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 550.0 LOG TYPE: Electric Log

SOURCE: SKILES OIL CORP WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
204.0	MODESTO	PIASA	UNCLASSIFIED	-	219.0	
163.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	260.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
97.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	326.0	
43.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	380.0	
-127.0	BASE OF PENN.		UNCLASSIFIED	-	550.0	

MAPID: 02701245000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: VENEDY LONGITUDE: -89.687252 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.493982 DATE COLLECTED: 6 / 0 / 1956

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 267.0 LOG TYPE: Electric Log

SOURCE: SKILES OIL CORP WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
206.2	MODESTO	PIASA	LIMESTONE	6.0	216.8	
200.2	MODESTO		UNCLASSIFIED	6.5	222.8	INTERVAL ABOVE DANVILLE, BELOW PIASA
193.7	CARBONDALE	DANVILLE	COAL	1.5	229.3	
192.2	CARBONDALE		UNCLASSIFIED	6.3	230.8	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
185.9	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.3	237.1	
177.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	245.4	
174.3	CARBONDALE		UNCLASSIFIED	3.3	248.7	SHALE ABOVE BRERETON LIMESTONE
171.0	CARBONDALE	BRERETON	LIMESTONE	3.5	252.0	
167.5	CARBONDALE	ANNA	BLACK SHALE	3.5	255.5	
164.0	CARBONDALE	HERRIN	COAL	8.0	259.0	

MAPID: 02701391000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 31 QUARTERS/FOOTAGES: 200' N line, 30' W line of NW NW SW

QUADRANGLE: VENEDY LONGITUDE: -89.704568 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.486999 DATE COLLECTED: 10 / 0 / 1940

SURFACE ELEVATION (FT.): 424.0 LOGGED (FT.): 232.5 LOG TYPE: Electric Log

SOURCE: MAGNOLIA PETROLEUM WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
240.5	MODESTO	PIASA	LIMESTONE	10.0	183.5	
230.5	MODESTO		UNCLASSIFIED	5.0	193.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
225.5	CARBONDALE		UNCLASSIFIED	7.0	198.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
218.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	11.5	205.5	
207.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	217.0	
204.5	CARBONDALE		UNCLASSIFIED	2.5	219.5	SHALE ABOVE BRERETON LIMESTONE
202.0	CARBONDALE	ANNA	BLACK SHALE	2.0	222.0	
200.0	CARBONDALE	HERRIN	COAL	8.5	224.0	

MAPID: 02701786000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 31 QUARTERS/FOOTAGES: 36' S line, 2040' W line

QUADRANGLE: VENEDY LONGITUDE: -89.697437 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.48041 DATE COLLECTED:

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 240.6 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3305 WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
225.5	MODESTO	PIASA	LIMESTONE	7.5	197.5
217.9	CARBONDALE		GRAY SHALE	10.6	205.1
207.3	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.6	215.7
202.8	CARBONDALE	LAWSON	GRAY SHALE	2.7	220.2
200.1	CARBONDALE	CONANT	LIMESTONE	1.8	222.9
198.3	CARBONDALE		GRAY SHALE	6.3	224.7
192.0	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	0.7	231.0
191.3	CARBONDALE	ANNA	BLACK SHALE	2.3	231.7
189.0	CARBONDALE	HERRIN	COAL	6.6	234.0

MAPID: 02701786000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 31 QUARTERS/FOOTAGES: 36' S line, 2040' W line

QUADRANGLE: VENEDY LONGITUDE: -89.697437 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.48041 DATE COLLECTED:

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 240.6 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 3305 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
225.4	MODESTO	PIASA	LIMESTONE	7.5	197.6
217.9	MODESTO		UNCLASSIFIED	3.3	205.1
214.6	CARBONDALE		UNCLASSIFIED	7.3	208.4
207.3	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	215.7
198.3	CARBONDALE	ANVIL ROCK	SANDSTONE	3.3	224.7
195.0	CARBONDALE		SHALE	3.0	228.0
192.0	CARBONDALE	BRERETON	LIMESTONE	0.7	231.0
191.3	CARBONDALE	ANNA	BLACK SHALE	2.3	231.7
189.0	CARBONDALE	HERRIN	COAL	6.6	234.0

MAPID: 02701786000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 31 **QUARTERS/FOOTAGES:** 36' S line, 2040' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.697437 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.48041 **DATE COLLECTED:** 0 / 0 / 1958
SURFACE ELEVATION (FT.): 423.3 **LOGGED (FT.):** 242.6 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 3305 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
250.8			COAL	0.6	172.5	
189.2	CARBONDALE	HERRIN	COAL	6.6	234.1	

MAPID: 02704061000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 31 **QUARTERS/FOOTAGES:** NE SE
QUADRANGLE: VENEDY **LONGITUDE:** -89.688327 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.485842 **DATE COLLECTED:** 9 / 14 / 1971
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 267.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12815C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.7	256.9	REMOVED BY CO.

MAPID: 02703980000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 32 **QUARTERS/FOOTAGES:** 2640' N line, 2640' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.67674 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.487669 **DATE COLLECTED:** 7 / 1 / 1971
SURFACE ELEVATION (FT.): 415.0 **LOGGED (FT.):** 272.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12719C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
151.0	CARBONDALE	HERRIN	COAL	7.5	264.0	

MAPID: 0270398000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 32 QUARTERS/FOOTAGES: 2640' N line, 2640' W line

QUADRANGLE: VENEDY LONGITUDE: -89.67674 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.487669 DATE COLLECTED:

SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 271.5 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12719C WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
191.5	MODESTO	PIASA	LIMESTONE	6.5	223.5	
185.0	CARBONDALE		GRAY SHALE	11.8	230.0	
173.2	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.8	241.8	
168.4	CARBONDALE	LAWSON	DARK GRAY SHALE	6.5	246.6	
161.9	CARBONDALE		CARBONACEOUS LIMESTONE	6.0	253.1	
155.9	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	4.2	259.1	
151.7	CARBONDALE	ANNA	BLACK SHALE	0.7	263.3	
151.0	CARBONDALE	HERRIN	COAL	7.5	264.0	

MAPID: 02704087000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 32 QUARTERS/FOOTAGES: SE SE

QUADRANGLE: VENEDY LONGITUDE: -89.669586 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.482252 DATE COLLECTED: 9 / 6 / 1971

SURFACE ELEVATION (FT.): LOGGED (FT.): 292.8 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12533C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SHELBURN	DANVILLE	COAL	1.3	257.4	
-	CARBONDALE	HERRIN	COAL	8.3	283.4	REMOVED BY CO.

MAPID: 02701379000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: VENEDY LONGITUDE: -89.652252 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.4851 DATE COLLECTED: 9 / 0 / 1954

SURFACE ELEVATION (FT.): 403.0 LOGGED (FT.): 250.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
200.6	MODESTO	PIASA	LIMESTONE	6.5	202.4	
194.1	MODESTO		UNCLASSIFIED	6.5	208.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
187.6	CARBONDALE	DANVILLE	COAL	1.5	215.4	
186.1	CARBONDALE		UNCLASSIFIED	4.8	216.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
181.3	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.3	221.7	
174.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	229.0	
171.0	CARBONDALE		UNCLASSIFIED	3.0	232.0	SHALE ABOVE BRERETON LIMESTONE
168.0	CARBONDALE	BRERETON	LIMESTONE	6.0	235.0	
162.0	CARBONDALE	ANNA	BLACK SHALE	3.0	241.0	
159.0	CARBONDALE	HERRIN	COAL	6.0	244.0	

MAPID: 02701392000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE

QUADRANGLE: VENEDY LONGITUDE: -89.649956 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.488775 DATE COLLECTED: 6 / 0 / 1977

SURFACE ELEVATION (FT.): 414.0 LOGGED (FT.): 267.5 LOG TYPE: Electric Log

SOURCE: OELZE, ELMER JR. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
190.0	MODESTO	PIASA	LIMESTONE	7.0	224.0	
183.0	MODESTO		UNCLASSIFIED	3.5	231.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
179.5	CARBONDALE	DANVILLE	COAL	1.0	234.5	
178.5	CARBONDALE		UNCLASSIFIED	6.5	235.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
172.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	242.0	
165.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	248.5	
162.5	CARBONDALE		UNCLASSIFIED	3.0	251.5	SHALE ABOVE BRERETON LIMESTONE
159.5	CARBONDALE	BRERETON	LIMESTONE	6.0	254.5	
153.5	CARBONDALE	ANNA	BLACK SHALE	2.5	260.5	
151.0	CARBONDALE	HERRIN	COAL	4.5	263.0	

MAPID: 02701620000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 33 QUARTERS/FOOTAGES: 370' N line, 330' E line of NW NW

QUADRANGLE: VENEDY LONGITUDE: -89.663874 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.494032 DATE COLLECTED: 1 / 0 / 1958

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 281.5 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
198.0	MODESTO	PIASA	LIMESTONE	5.5	234.0	
192.5	MODESTO		UNCLASSIFIED	8.0	239.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
184.5	CARBONDALE		UNCLASSIFIED	4.0	247.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
180.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	251.5	
176.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	255.5	
172.5	CARBONDALE	BRERETON	LIMESTONE	14.5	259.5	
158.0	CARBONDALE	ANNA	BLACK SHALE	2.0	274.0	
156.0	CARBONDALE	HERRIN	COAL	5.5	276.0	

MAPID: 02702559000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: VENEDY LONGITUDE: -89.654556 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.481425 DATE COLLECTED: 5 / 0 / 1954

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 258.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
218.5	MODESTO	PIASA	LIMESTONE	8.5	210.5	
210.0	MODESTO		UNCLASSIFIED	3.0	219.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
207.0	CARBONDALE		UNCLASSIFIED	5.0	222.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
202.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	227.0	
195.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	233.5	
192.0	CARBONDALE		UNCLASSIFIED	3.0	237.0	SHALE ABOVE BRERETON LIMESTONE
189.0	CARBONDALE	BRERETON	LIMESTONE	8.0	240.0	
181.0	CARBONDALE	ANNA	BLACK SHALE	2.0	248.0	
179.0	CARBONDALE	HERRIN	COAL	8.0	250.0	

MAPID: 02701116000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: VENEDY LONGITUDE: -89.638484 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.481694 DATE COLLECTED: 6 / 0 / 1955

SURFACE ELEVATION (FT.): 402.0 LOGGED (FT.): 248.3 LOG TYPE: Electric Log

SOURCE: CANTER DRILLING CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
198.5	MODESTO	PIASA	LIMESTONE	8.5	203.5	
190.0	MODESTO		UNCLASSIFIED	5.0	212.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
185.0	CARBONDALE	DANVILLE	COAL	1.5	217.0	
183.5	CARBONDALE		UNCLASSIFIED	4.5	218.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
179.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	223.0	
172.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	230.0	
169.0	CARBONDALE		UNCLASSIFIED	3.0	233.0	SHALE ABOVE BRERETON LIMESTONE
166.0	CARBONDALE	ANNA	BLACK SHALE	4.0	236.0	
162.0	CARBONDALE	HERRIN	COAL	8.3	240.0	

MAPID: 02701205000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE

QUADRANGLE: VENEDY LONGITUDE: -89.63389 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.483588 DATE COLLECTED: 1 / 0 / 1956

SURFACE ELEVATION (FT.): 402.0 LOGGED (FT.): 257.0 LOG TYPE: Electric Log

SOURCE: GOFF OIL CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
191.0	MODESTO	PIASA	LIMESTONE	8.5	211.0	
182.5	MODESTO		UNCLASSIFIED	3.5	219.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
179.0	CARBONDALE	DANVILLE	COAL	0.5	223.0	
178.5	CARBONDALE		UNCLASSIFIED	3.0	223.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
175.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	226.5	
170.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	231.5	
165.5	CARBONDALE	BRERETON	LIMESTONE	14.0	236.5	
151.5	CARBONDALE	ANNA	BLACK SHALE	1.5	250.5	
150.0	CARBONDALE	HERRIN	COAL	5.0	252.0	

MAPID: 02701211000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NW

QUADRANGLE: VENEDY LONGITUDE: -89.643008 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.494338 DATE COLLECTED: 3 / 0 / 1956

SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 290.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
165.5	MODESTO	PIASA	LIMESTONE	7.0	247.5	
158.5	MODESTO		UNCLASSIFIED	3.5	254.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
155.0	CARBONDALE	DANVILLE	COAL	0.5	258.0	
154.5	CARBONDALE		UNCLASSIFIED	6.5	258.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
148.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	265.0	
141.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	272.0	
137.5	CARBONDALE		UNCLASSIFIED	3.0	275.5	SHALE ABOVE BRERETON LIMESTONE
134.5	CARBONDALE	BRERETON	LIMESTONE	2.5	278.5	
132.0	CARBONDALE	ANNA	BLACK SHALE	3.0	281.0	
129.0	CARBONDALE	HERRIN	COAL	6.0	284.0	

MAPID: 02701729000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW

QUADRANGLE: VENEDY LONGITUDE: -89.645371 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.481542 DATE COLLECTED: 2 / 0 / 1953

SURFACE ELEVATION (FT.): 405.0 LOGGED (FT.): 237.0 LOG TYPE: Electric Log

SOURCE: COLLINS BROTHERS OIL CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
212.0	MODESTO	PIASA	LIMESTONE	7.0	193.0	
205.0	MODESTO		UNCLASSIFIED	3.5	200.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
201.5	CARBONDALE	DANVILLE	COAL	0.5	203.5	
201.0	CARBONDALE		UNCLASSIFIED	4.0	204.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
197.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	208.0	
191.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	213.5	
188.5	CARBONDALE		UNCLASSIFIED	3.0	216.5	SHALE ABOVE BRERETON LIMESTONE
185.5	CARBONDALE	BRERETON	LIMESTONE	8.5	219.5	
177.0	CARBONDALE	ANNA	BLACK SHALE	3.0	228.0	
174.0	CARBONDALE	HERRIN	COAL	6.0	231.0	

MAPID: 02702563000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 1650' S line, 330' W line of SW

QUADRANGLE: VENEDY LONGITUDE: -89.64763 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.485134 DATE COLLECTED: 9 / 0 / 1954

SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Producer-Oil

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	5.0		
-	MODESTO		UNCLASSIFIED	7.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	2.0		
-	CARBONDALE		UNCLASSIFIED	7.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0		
-	CARBONDALE		UNCLASSIFIED	4.0		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	BRERETON	LIMESTONE	3.0		
-	CARBONDALE	ANNA	BLACK SHALE	2.0		
-	CARBONDALE	HERRIN	COAL	7.0		ELEVATION OF HERRIN = 164

MAPID: 02703367000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 1320' S line, 2640' W line

QUADRANGLE: VENEDY LONGITUDE: -89.639515 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.484407 DATE COLLECTED: 5 / 31 / 1967

SURFACE ELEVATION (FT.): 402.5 LOGGED (FT.): 255.4 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8036 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
156.8	CARBONDALE	HERRIN	COAL	7.8	245.7	REMOVED BY CO.

MAPID: 02703367000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 1320' S line, 2640' W line

QUADRANGLE: VENEDY LONGITUDE: -89.639515

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.484407

DATE COLLECTED:

SURFACE ELEVATION (FT.): 402.0 LOGGED (FT.): 253.8

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8036

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
197.4	MODESTO	PIASA	LIMESTONE	6.5	204.6	
190.9	MODESTO		GRAY SHALE	8.3	211.1	
182.6	CARBONDALE	DANVILLE	COAL	1.0	219.4	
181.6	CARBONDALE		CLAYSTONE	2.0	220.4	
179.6	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.5	222.4	UPPER BENCH
175.1	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.5	226.9	SHALE PARTING
174.6	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	2.4	227.4	LOWER BENCH
172.2	CARBONDALE	LAWSON	GRAY SHALE	5.9	229.8	
166.3	CARBONDALE		GRAY SHALE	5.0	235.7	
161.3	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	2.1	240.7	
159.2	CARBONDALE	ANNA	BLACK SHALE	3.2	242.8	
156.0	CARBONDALE	HERRIN	COAL	7.8	246.0	

MAPID: 02703653000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 0' N line, 0' W line of NW SW NE

QUADRANGLE: VENEDY LONGITUDE: -89.639554

GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.491654

DATE COLLECTED: 1 / 27 / 1969

SURFACE ELEVATION (FT.): LOGGED (FT.): 271.5

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8359C

WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.9	262.7	

MAPID: 02703653000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 0' N line, 0' W line of NW SW NE

QUADRANGLE: VENEDY LONGITUDE: -89.639554 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.491654 DATE COLLECTED:

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 270.9 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8359C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
190.8	MODESTO	PIASA	LIMESTONE	7.4	225.2
183.4	MODESTO		UNCLASSIFIED	2.9	232.6
180.5	CARBONDALE		UNCLASSIFIED	6.9	235.5
173.6	CARBONDALE	BANKSTON FORK	LIMESTONE	5.7	242.4
167.9	CARBONDALE	ANVIL ROCK	SANDSTONE	6.8	248.1
161.1	CARBONDALE		SHALE	3.3	254.9
157.8	CARBONDALE	BRERETON	LIMESTONE	2.6	258.2
155.2	CARBONDALE	ANNA	BLACK SHALE	2.2	260.8
153.0	CARBONDALE	HERRIN	COAL	7.9	263.0

MAPID: 02703880000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 34 QUARTERS/FOOTAGES: 0' N line, 0' E line of NE NE NE

QUADRANGLE: VENEDY LONGITUDE: -89.630227 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.495381 DATE COLLECTED:

SURFACE ELEVATION (FT.): 406.0 LOGGED (FT.): 262.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 9859C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
172.9	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	233.1
167.9	CARBONDALE	ANVIL ROCK	SANDSTONE	5.4	238.1
162.5	CARBONDALE		SHALE	4.9	243.5
157.6	CARBONDALE	BRERETON	LIMESTONE	3.0	248.4
154.6	CARBONDALE	ANNA	BLACK SHALE	2.6	251.4
152.0	CARBONDALE	HERRIN	COAL	8.0	254.0

MAPID: 02700333000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 35 **QUARTERS/FOOTAGES:** 2820' N line, 900' E line
QUADRANGLE: OKAWVILLE **LONGITUDE:** -89.615025 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.487628 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 406.5 **LOGGED (FT.):** 1290.0 **LOG TYPE:**
SOURCE: DEN GOLD **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.5	CARBONDALE	HERRIN	COAL	6.0	257.0	

MAPID: 02700333000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 35 **QUARTERS/FOOTAGES:** 2820' N line, 900' E line
QUADRANGLE: OKAWVILLE **LONGITUDE:** -89.615025 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.487628 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 406.0 **LOGGED (FT.):** 263.0 **LOG TYPE:** Drillers Log
SOURCE: DENNIG & GOLDSCHMIDT **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.0	CARBONDALE	HERRIN	COAL	6.0	257.0	

MAPID: 02701279000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 1N 5W **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE NW
QUADRANGLE: OKAWVILLE **LONGITUDE:** -89.622206 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.492681 **DATE COLLECTED:** 9 / 0 / 1956
SURFACE ELEVATION (FT.): 422.0 **LOGGED (FT.):** 279.0 **LOG TYPE:** Electric Log
SOURCE: REEVES, E.C. ESTATE OF **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
186.0	MODESTO	PIASA	LIMESTONE	9.0	236.0	
177.0	MODESTO		UNCLASSIFIED	3.5	245.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
173.5	CARBONDALE	DANVILLE	COAL	0.5	248.5	
173.0	CARBONDALE		UNCLASSIFIED	3.0	249.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
170.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	252.0	
164.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	257.5	
162.0	CARBONDALE		UNCLASSIFIED	2.0	260.0	SHALE ABOVE BRERETON LIMESTONE
160.0	CARBONDALE	BRERETON	LIMESTONE	9.0	262.0	
151.0	CARBONDALE	ANNA	BLACK SHALE	2.0	271.0	
149.0	CARBONDALE	HERRIN	COAL	6.0	273.0	

MAPID: 02701435000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 36 QUARTERS/FOOTAGES: 2310' N line, 330' E line

QUADRANGLE: OKAWVILLE LONGITUDE: -89.594341 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.488784 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 405.0 LOGGED (FT.): 280.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
160.5	MODESTO	PIASA	LIMESTONE	4.5	244.5	
156.0	MODESTO		UNCLASSIFIED	3.0	249.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
153.0	CARBONDALE		UNCLASSIFIED	3.5	252.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
149.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.5	255.5	
145.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	260.0	
142.0	CARBONDALE		UNCLASSIFIED	3.0	263.0	SHALE ABOVE BRERETON LIMESTONE
139.0	CARBONDALE	BRERETON	LIMESTONE	6.0	266.0	
133.0	CARBONDALE	ANNA	BLACK SHALE	2.0	272.0	
131.0	CARBONDALE	HERRIN	COAL	6.0	274.0	

MAPID: 02701435000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1N 5W SECTION: 36 QUARTERS/FOOTAGES: 2310' N line, 330' E line

QUADRANGLE: OKAWVILLE LONGITUDE: -89.594341 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.488784 DATE COLLECTED:

SURFACE ELEVATION (FT.): 405.0 LOGGED (FT.): 282.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
172.0	MODESTO	PIASA	LIMESTONE	7.0	233.0	
165.0	CARBONDALE		SHALE	8.0	240.0	
157.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	4.0	248.0	
153.0	CARBONDALE	LAWSON	GRAY SHALE	7.0	252.0	
146.0	CARBONDALE	CONANT	SHALE	2.0	259.0	
144.0	CARBONDALE		SHALE	6.0	261.0	
138.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	267.0	
133.0	CARBONDALE	ANNA	SHALE	3.0	272.0	
130.0	CARBONDALE	HERRIN	COAL	7.0	275.0	

MAPID: 02703703000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 3 QUARTERS/FOOTAGES: 2640' N line, 2310' W line

QUADRANGLE: VENEDY LONGITUDE: -89.641302 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.473439 DATE COLLECTED: 5 / 22 / 1969

SURFACE ELEVATION (FT.): 400.0 LOGGED (FT.): 233.0 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8708C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.4	CARBONDALE	HERRIN	COAL	7.8	220.6	REMOVED BY CO.

MAPID: 02703703000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 3 QUARTERS/FOOTAGES: 2640' N line, 2310' W line

QUADRANGLE: VENEDY LONGITUDE: -89.641302 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.473439 DATE COLLECTED:

SURFACE ELEVATION (FT.): 400.0 LOGGED (FT.): 228.9 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8708C WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
223.9	MODESTO	PIASA	LIMESTONE	10.0	176.1	
213.9	MODESTO		GRAY SHALE	1.0	186.1	
212.9	CARBONDALE	DANVILLE	DARK GRAY SHALE	2.6	187.1	
210.3	CARBONDALE		GRAY SHALE	5.3	189.7	
205.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.1	195.0	UPPER BENCH
200.9	CARBONDALE	BANKSTON FORK	GRAY SHALE	5.1	199.1	SHALE PARTING
195.8	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	204.2	LOWER BENCH
192.3	CARBONDALE	LAWSON	CALCAREOUS SHALE	4.8	207.7	
187.5	CARBONDALE	CONANT	LIMESTONE	0.8	212.5	
186.7	CARBONDALE		CALCAREOUS SHALE	2.4	213.3	
184.3	CARBONDALE	BRERETON	LIMESTONE W/ SHALE	5.2	215.7	
179.1	CARBONDALE	ANNA	BLACK SHALE	0.1	220.9	
179.0	CARBONDALE	HERRIN	COAL	7.9	221.0	

MAPID: 02700439000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 4 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: VENEDY **LONGITUDE:** -89.657543 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.474191 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 403.0 **LOGGED (FT.):** 1075.0 **LOG TYPE:**
SOURCE: WILL GOLD 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
173.0	CARBONDALE	HERRIN	COAL	5.0	230.0
133.0	CARBONDALE	SPRINGFIELD	COAL	5.0	270.0

MAPID: 02704104000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 4 **QUARTERS/FOOTAGES:** 2640' N line, 2640' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.658724 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.473201 **DATE COLLECTED:** 6 / 24 / 1971
SURFACE ELEVATION (FT.): 400.0 **LOGGED (FT.):** 274.9 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12717C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
134.4	CARBONDALE	HERRIN	COAL	8.6	265.6

MAPID: 02704104000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 4 **QUARTERS/FOOTAGES:** 2640' N line, 2640' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.658724 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.473201 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 400.0 **LOGGED (FT.):** 274.7 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 12717C **WELL TYPE:** Coal Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
176.0	MODESTO	PIASA	LIMESTONE	7.5	224.0
168.5	CARBONDALE		SHALE & SANDSTONE	18.5	231.5
150.0	CARBONDALE	LAWSON	SHALE & SANDSTONE	11.5	250.0
138.5	CARBONDALE	BRERETON	LIMESTONE	3.5	261.5
135.0	CARBONDALE	ANNA	BLACK SHALE	1.0	265.0
134.0	CARBONDALE	HERRIN	COAL	8.7	266.0

MAPID: 02703983000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 6 **QUARTERS/FOOTAGES:** 1320' N line, 2640' E line
QUADRANGLE: VENEDY **LONGITUDE:** -89.695783 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.476686 **DATE COLLECTED:** 7 / 7 / 1971
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 265.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12525C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
163.2	CARBONDALE	HERRIN	COAL	8.0	256.8

MAPID: 02703983000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 6 **QUARTERS/FOOTAGES:** 1320' N line, 2640' E line
QUADRANGLE: VENEDY **LONGITUDE:** -89.695783 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.476686 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 265.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12525C **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
201.4	MODESTO	PIASA	LIMESTONE	5.8	218.6
195.6	MODESTO		DARK GRAY SHALE	10.8	224.4
184.8	CARBONDALE		GRAY SHALE	4.6	235.2
180.2	CARBONDALE	BANKSTON FORK	LIMESTONE	6.2	239.8
174.0	CARBONDALE	LAWSON	DARK GRAY SHALE	1.3	246.0
172.7	CARBONDALE	CONANT	LIMESTONE	2.4	247.3
170.3	CARBONDALE	JAMESTOWN	DARK GRAY SHALE	2.5	249.7
167.8	CARBONDALE		DARK GRAY SHALE	3.0	252.2
164.8	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	0.2	255.2
164.6	CARBONDALE	ANNA	BLACK SHALE	1.7	255.4
163.0	CARBONDALE	HERRIN	COAL	8.0	257.0

MAPID: 02724909000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 7 **QUARTERS/FOOTAGES:** 2091' N line, 1327' E line of SE NE
QUADRANGLE: VENEDY **LONGITUDE:** -89.690686 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.456322 **DATE COLLECTED:** 5 / 1 / 1978
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 230.5 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16595C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.6	219.1

MAPID: 02700205000C VERSION: 1

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 8 QUARTERS/FOOTAGES: NE SW SW

QUADRANGLE: VENEDY LONGITUDE: -89.682559 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.453876 DATE COLLECTED:

SURFACE ELEVATION (FT.): 400.0 LOGGED (FT.): 234.8 LOG TYPE: Drillers Log

SOURCE: ACME COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
400.0			UNCONSOLIDATED	5.0	0.0	
395.0			SAND	8.0	5.0	
387.0			SILT & SAND	70.0	13.0	
317.0	MODESTO		SHALE	4.0	83.0	
313.0	MODESTO		SHALE	27.0	87.0	W/ SS PARTINGS
286.0	MODESTO		SANDY SHALE	17.3	114.0	
268.7	MODESTO		LIMESTONE	0.6	131.3	
268.2	MODESTO		CLAYSTONE & SHALE	24.0	131.8	
244.2	MODESTO		BLACK SHALE	2.0	155.8	
242.2	MODESTO		BLACK SHALE	0.8	157.8	
241.4	MODESTO		UNDERCLAY	2.0	158.6	
239.4	MODESTO		UNDERCLAY	6.0	160.6	W/ LS BOULDERS
233.4	MODESTO		CLAYSTONE & SHALE	2.3	166.6	
231.2	MODESTO		SANDY SHALE	3.0	168.8	
228.2	MODESTO		BLACK SHALE	2.0	171.8	
226.2	MODESTO		COAL	0.3	173.8	
225.9	MODESTO		UNDERCLAY	15.0	174.1	W/ LS PEBBLES
210.9	MODESTO	PIASA	LIMESTONE	10.0	189.1	
200.9	MODESTO		BLACK SHALE	1.0	199.1	
199.9	CARBONDALE		UNDERCLAY	5.0	200.1	
194.9	CARBONDALE	BANKSTON FORK	LIMESTONE	4.8	205.1	
190.2	CARBONDALE	BANKSTON FORK	UNDERCLAY	2.0	209.8	
188.2	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	211.8	
183.2	CARBONDALE		CLAYSTONE & SHALE	6.0	216.8	
177.2	CARBONDALE	BRERETON	LIMESTONE	1.5	222.8	
175.7	CARBONDALE	ANNA	BLACK SHALE	3.0	224.3	
172.7	CARBONDALE	HERRIN	COAL	7.5	227.3	
165.2	CARBONDALE		UNDERCLAY	0.0	234.8	T.D.

MAPID: 02700205000C **VERSION:** 2 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: VENEDY **LONGITUDE:** -89.682559 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.453876 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 400.0 **LOGGED (FT.):** 235.0 **LOG TYPE:**
SOURCE: ACME COAL **WELL TYPE:** Coal Test
COMMENT: LOCATION AND SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.0	CARBONDALE	HERRIN	COAL	7.5	227.0	

MAPID: 02703255000C **VERSION:** 1 **PROJECT:** IDMM-GWQX
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 8 **QUARTERS/FOOTAGES:** 990' N line, 330' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.685047 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.463093 **DATE COLLECTED:** 12 / 0 / 1965
SURFACE ELEVATION (FT.): 412.0 **LOGGED (FT.):** 618.0 **LOG TYPE:** Electric Log
SOURCE: SCHAEFER OIL COMPANY **WELL TYPE:** Producer-Oil
COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
221.0	MODESTO	PIASA	UNCLASSIFIED	-	191.0	
178.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	234.0	
163.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	249.0	
109.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	303.0	
53.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	359.0	
-206.0	BASE OF PENN.		UNCLASSIFIED	-	618.0	

MAPID: 02703984000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 8 **QUARTERS/FOOTAGES:** 1320' N line, 2310' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.678072 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.462275 **DATE COLLECTED:** 6 / 24 / 1971
SURFACE ELEVATION (FT.): 405.0 **LOGGED (FT.):** 241.4 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12523C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
175.2	CARBONDALE	HERRIN	COAL	9.2	229.8	REMOVED BY CO.

MAPID: 02703984000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 8 QUARTERS/FOOTAGES: 1320' N line, 2310' W line

QUADRANGLE: VENEDY LONGITUDE: -89.678072 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.462275 DATE COLLECTED:

SURFACE ELEVATION (FT.): 405.0 LOGGED (FT.): 239.2 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12523C WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
214.9	MODESTO	PIASA	LIMESTONE	6.9	190.1	
208.0	CARBONDALE		GRAY SHALE	13.8	197.0	
194.2	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	210.8	UPPER BENCH
189.2	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.4	215.8	SHALE PARTING
186.8	CARBONDALE	BANKSTON FORK	LIMESTONE	1.1	218.2	LOWER BENCH
185.7	CARBONDALE	LAWSON	DARK GRAY SHALE	8.1	219.3	
177.7	CARBONDALE	BRERETON	LIMESTONE	0.1	227.3	
177.6	CARBONDALE	ANNA	BLACK SHALE	2.6	227.4	
175.0	CARBONDALE	HERRIN	COAL	9.2	230.0	

MAPID: 02724910000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 8 QUARTERS/FOOTAGES: 2558' N line, 83' W line of SW NW

QUADRANGLE: VENEDY LONGITUDE: -89.685701 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.455063 DATE COLLECTED: 4 / 13 / 1978

SURFACE ELEVATION (FT.): LOGGED (FT.): 243.2 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16594C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.5	231.8	

MAPID: 02703985000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 10 QUARTERS/FOOTAGES: 1320' N line, 2640' W line

QUADRANGLE: VENEDY LONGITUDE: -89.640136 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.462607 DATE COLLECTED: 7 / 6 / 1971

SURFACE ELEVATION (FT.): LOGGED (FT.): 258.8 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12720C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	8.6	249.9	

MAPID: 02703985000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 10 QUARTERS/FOOTAGES: 1320' N line, 2640' W line
 QUADRANGLE: VENEDY LONGITUDE: -89.640136 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.462607 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 395.0 LOGGED (FT.): 259.9 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12720C WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
188.6	MODESTO	PIASA	LIMESTONE	10.3	206.4
178.3	CARBONDALE		GRAY SHALE	18.4	216.7
159.9	CARBONDALE	BANKSTON FORK	LIMESTONE	2.4	235.1
157.5	CARBONDALE	LAWSON	DARK GRAY SHALE	7.2	237.5
150.3	CARBONDALE	BRERETON	LIMESTONE	1.1	244.7
149.2	CARBONDALE	ANNA	BLACK SHALE	4.2	245.8
145.0	CARBONDALE	HERRIN	COAL	9.9	250.0

MAPID: 02724555000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 10 QUARTERS/FOOTAGES: 13' N line, 600' W line of NW NW
 QUADRANGLE: VENEDY LONGITUDE: -89.647352 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.466104 DATE COLLECTED: 10 / 8 / 1958
 SURFACE ELEVATION (FT.): 433.8 LOGGED (FT.): 433.0 LOG TYPE: Drillers Log
 SOURCE: TRUAX-TRAER COAL CO 42 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
34.0	CARBONDALE	HOUCHIN CREEK	COAL	0.3	399.8

MAPID: 02704050000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 16 QUARTERS/FOOTAGES: 2640' N line, 1320' W line
 QUADRANGLE: VENEDY LONGITUDE: -89.663058 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.444151 DATE COLLECTED: 11 / 3 / 1971
 SURFACE ELEVATION (FT.): 400.0 LOGGED (FT.): 0.0 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12738C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
235.7			COAL	0.3	164.3
196.8	SHELBURN	DANVILLE	COAL	0.8	203.2
169.4	CARBONDALE	HERRIN	COAL	8.1	230.6 MISSING FROM CORE

MAPID: 02704050000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 16 QUARTERS/FOOTAGES: 2640' N line, 1320' W line
 QUADRANGLE: VENEDY LONGITUDE: -89.663058 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.444151 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 400.0 LOGGED (FT.): 239.1 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12738C WELL TYPE: Coal Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
208.7	MODESTO	PIASA	LIMESTONE	8.2	191.3
200.5	MODESTO		DARK GRAY SHALE	3.4	199.5
197.1	CARBONDALE	DANVILLE	COAL	0.8	202.9
196.3	CARBONDALE		CLAYSTONE	1.4	203.7
194.9	CARBONDALE		GRAY SHALE	2.7	205.1
192.2	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.4	207.8
187.8	CARBONDALE	LAWSON	MOTTLED SHALE	4.4	212.2
183.4	CARBONDALE	CONANT	LIMESTONE	1.9	216.6
181.5	CARBONDALE		LIMESTONE W/ SHALE	9.5	218.5
172.0	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	0.3	228.0
171.7	CARBONDALE	ANNA	BLACK SHALE	2.7	228.3
169.0	CARBONDALE	HERRIN	COAL	8.1	231.0

MAPID: 02724617000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 17 QUARTERS/FOOTAGES: 1980' N line, 2640' W line of SW NE
 QUADRANGLE: VENEDY LONGITUDE: -89.67452 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.445653 DATE COLLECTED: 8 / 4 / 1972
 SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE:
 SOURCE: PEABODY COAL CO. 12867C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-				-	PACKING SLIP

MAPID: 02700440000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 18 QUARTERS/FOOTAGES: 90' S line, 87' E line
 QUADRANGLE: VENEDY LONGITUDE: -89.686131 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.436747 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 399.4 LOGGED (FT.): 1271.0 LOG TYPE:
 SOURCE: HARRIS ETAL WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
184.4	CARBONDALE	HERRIN	COAL	7.0	215.0

MAPID: 02703986000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 18 **QUARTERS/FOOTAGES:** 1320' N line, 2640' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.695174 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.447422 **DATE COLLECTED:** 6 / 21 / 1971
SURFACE ELEVATION (FT.): 400.0 **LOGGED (FT.):** 222.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12577C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
194.3	SHELburn	JAMESTOWN	COAL	0.2	205.7	
188.3	CARBONDALE	HERRIN	COAL	6.9	211.7	

MAPID: 02703986000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 18 **QUARTERS/FOOTAGES:** 1320' N line, 2640' W line
QUADRANGLE: VENEDY **LONGITUDE:** -89.695174 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.447422 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 400.0 **LOGGED (FT.):** 217.9 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12577C **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
230.8	MODESTO	PIASA	LIMESTONE	7.2	169.2	
223.6	CARBONDALE		GRAY SHALE	13.7	176.4	
209.9	CARBONDALE	BANKSTON FORK	LIMESTONE	6.4	190.1	UPPER BENCH
203.5	CARBONDALE	BANKSTON FORK	DARK GRAY SHALE	3.7	196.5	SHALE PARTING
199.8	CARBONDALE	BANKSTON FORK	LIMESTONE	0.8	200.2	LOWER BENCH
199.0	CARBONDALE	LAWSON	DARK GRAY SHALE	3.6	201.0	
195.4	CARBONDALE	CONANT	LIMESTONE	1.1	204.6	
194.3	CARBONDALE	JAMESTOWN	BONE COAL	0.2	205.7	
194.1	CARBONDALE	BRERETON	LIMESTONE W/ SHALE	3.7	205.9	
190.5	CARBONDALE	ANNA	BLACK SHALE	1.5	209.5	
189.0	CARBONDALE	HERRIN	COAL	6.9	211.0	

MAPID: 02724352000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 18 **QUARTERS/FOOTAGES:** 330' S line, 0' line of NE NE
QUADRANGLE: VENEDY **LONGITUDE:** -89.688196 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.449234 **DATE COLLECTED:** 4 / 11 / 1973
SURFACE ELEVATION (FT.): 405.0 **LOGGED (FT.):** 244.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 15596C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
182.5	SHELburn	CONANT	LIMESTONE	1.2	222.5	
180.8	CARBONDALE	BRERETON	LIMESTONE	1.0	224.2	
179.0	CARBONDALE	HERRIN	COAL	7.4	226.0	

MAPID: 02703987000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 19 **QUARTERS/FOOTAGES:** 1320' N line, 1320' E line
QUADRANGLE: VENEDY **LONGITUDE:** -89.690459 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.432864 **DATE COLLECTED:** 6 / 29 / 1971
SURFACE ELEVATION (FT.): 394.0 **LOGGED (FT.):** 226.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12579C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
249.0			COAL	2.5	145.0	
178.1	CARBONDALE	HERRIN	COAL	7.2	215.9	

MAPID: 02703987000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 1S 5W **SECTION:** 19 **QUARTERS/FOOTAGES:** 1320' N line, 1320' E line
QUADRANGLE: VENEDY **LONGITUDE:** -89.690459 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.432864 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 394.0 **LOGGED (FT.):** 223.2 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12579C **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
221.9	MODESTO	PIASA	LIMESTONE	6.3	172.1	
215.6	CARBONDALE		GRAY SHALE	13.5	178.4	
202.1	CARBONDALE	BANKSTON FORK	LIMESTONE	4.2	191.9	UPPER BENCH
197.9	CARBONDALE	BANKSTON FORK	GRAY SHALE	1.8	196.1	SHALE PARTING
196.1	CARBONDALE	BANKSTON FORK	LIMESTONE	2.3	197.9	LOWER BENCH
193.8	CARBONDALE	LAWSON	GRAY SHALE	5.7	200.2	
188.1	CARBONDALE	LAWSON	CALCAREOUS SHALE	3.2	205.9	
184.9	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.9	209.1	
181.0	CARBONDALE	ANNA	LIMESTONE W/ SHALE	3.0	213.0	
178.0	CARBONDALE	HERRIN	COAL	7.2	216.0	

MAPID: 02701737000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 1S 5W SECTION: 20 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW NE

QUADRANGLE: VENEDY LONGITUDE: -89.675531 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.435414 DATE COLLECTED: 12 / 0 / 1953

SURFACE ELEVATION (FT.): 397.0 LOGGED (FT.): 695.0 LOG TYPE: Electric Log

SOURCE: COLLINS BROTHERS OIL CO. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
124.0	MODESTO	PIASA	UNCLASSIFIED	-	273.0
183.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	214.0
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	
108.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	289.0
65.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	332.0
-298.0	BASE OF PENN.		UNCLASSIFIED	-	695.0

MAPID: 02701053000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 1 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: BOULDER LONGITUDE: -89.145395 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.648178 DATE COLLECTED:

SURFACE ELEVATION (FT.): 502.0 LOGGED (FT.): 1350.0 LOG TYPE: Electric Log

SOURCE: WINN C R WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-132.0	CARBONDALE	SPRINGFIELD	COAL	-	634.0
-249.0	CARBONDALE	COLCHESTER	COAL	-	751.0
-848.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1350.0

MAPID: 02701053000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 1 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: BOULDER LONGITUDE: -89.145395 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.648178 DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 502.0 LOGGED (FT.): 1546.0 LOG TYPE:

SOURCE: WINN C R, HAMINGHAUS 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
290.0	BOND	CARTHAGE	LIMESTONE	-	212.0
-92.0	CARBONDALE	HERRIN	COAL	-	594.0

MAPID: 02701395000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 1 QUARTERS/FOOTAGES: 990' N line, 990' E line

QUADRANGLE: BOULDER LONGITUDE: -89.14312 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.646319 DATE COLLECTED:

SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 599.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-38.0	MODESTO	PIASA	LIMESTONE	4.0	544.0	
-42.0	MODESTO		SHALE	17.0	548.0	
-59.0	CARBONDALE	DANVILLE	COAL	3.0	565.0	
-62.0	CARBONDALE		GRAY SHALE	5.0	568.0	
-67.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	573.0	
-73.0	CARBONDALE	LAWSON	SHALE	3.0	579.0	
-76.0	CARBONDALE	CONANT	LIMESTONE	4.0	582.0	
-80.0	CARBONDALE		SHALE	3.0	586.0	
-83.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	589.0	
-86.0	CARBONDALE	ANNA	SHALE	2.0	592.0	
-88.0	CARBONDALE	HERRIN	COAL	5.0	594.0	

MAPID: 02701224000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 3 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE NE NE

QUADRANGLE: BOULDER LONGITUDE: -89.177925 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649725 DATE COLLECTED:

SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 2868.0 LOG TYPE: Electric Log

SOURCE: V S & S DRILLING CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-138.0	CARBONDALE	SPRINGFIELD	COAL	-	624.0	
-305.0	CARBONDALE	COLCHESTER	COAL	-	791.0	
-811.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1297.0	
-2326.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2812.0	TOP OF NEW ALBANY
-2334.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2820.0	
-2382.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2868.0	BASE OF NEW ALBANY

MAPID: 02726529000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 3 QUARTERS/FOOTAGES: 365' N line, 38' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.19524 GEOLOGIST: E. PRUSSEN
 CONFIDENTIAL: N LATITUDE: 38.650404 DATE COLLECTED: 11 / 8 / 1966
 SURFACE ELEVATION (FT.): 484.9 LOGGED (FT.): 589.3 LOG TYPE: Other Core Study
 SOURCE: CARTER OIL W-14 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-36.0	CARBONDALE	DANVILLE	COAL	2.8	520.9	
-60.7	CARBONDALE	HERRIN	COAL	5.4	545.6	
-66.0	CARBONDALE	HERRIN	SHALE	0.1	550.9	BLUE BAND
-66.2	CARBONDALE	HERRIN	COAL	0.3	551.1	
-95.5	CARBONDALE	SPRINGFIELD	COAL	5.6	580.4	CLEAN COAL THICKNESS, SEE LOG
-	CARBONDALE	SPRINGFIELD	ROCK	0.2		TOTAL IN-SEAM PARTINGS-SEE LOG

MAPID: 02700619000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 4 QUARTERS/FOOTAGES: NE SW SW
 QUADRANGLE: BOULDER LONGITUDE: -89.210894 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.640426 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 1733.0 LOG TYPE:
 SOURCE: SIGEL&SCHL, MONKEN WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
340.0	BOND	CARTHAGE	LIMESTONE	-	135.0	
-27.0	CARBONDALE	HERRIN	COAL	-	502.0	

MAPID: 02703981000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 5 QUARTERS/FOOTAGES: 0' S line, 1320' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.219053 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.63808 DATE COLLECTED: 8 / 3 / 1971
 SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 476.7 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12616 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
328.9			COAL	1.8	131.1	
155.3			COAL	1.0	304.7	
15.0	SHELBURN	DANVILLE	COAL	2.9	445.0	
-9.2	CARBONDALE	HERRIN	COAL	5.3	469.2	

MAPID: 02703981000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 5 QUARTERS/FOOTAGES: 0' S line, 1320' E line

QUADRANGLE: BOULDER LONGITUDE: -89.219053

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.63808

DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 474.3

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12616

WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
37.7	MODESTO	PIASA	LIMESTONE AND SANDSTONE	1.8	422.3
35.9	MODESTO		GRAY SHALE	20.7	424.1
15.2	CARBONDALE	DANVILLE	COAL	2.9	444.8
12.3	CARBONDALE		GRAY SHALE	2.1	447.7
10.2	CARBONDALE	BANKSTON FORK	LIMESTONE	5.9	449.8
4.3	CARBONDALE	LAWSON	GRAY SHALE	5.0	455.7
-0.7	CARBONDALE	CONANT	LIMESTONE	2.8	460.7
-3.5	CARBONDALE	JAMESTOWN	DARK GRAY SHALE	0.4	463.5
-3.9	CARBONDALE	BRERETON	LIMESTONE	5.1	463.9
-9.0	CARBONDALE	HERRIN	COAL	5.3	469.0

MAPID: 02725780000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 5 QUARTERS/FOOTAGES: 990' S line, 330' E line of SW

QUADRANGLE: BOULDER LONGITUDE: -89.224821

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.641095

DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 2852.0

LOG TYPE: Electric Log

SOURCE: DUNNILL JOHN E

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN COMMENT	
-17.0	CARBONDALE	SPRINGFIELD	COAL	-	487.0	
-147.0	CARBONDALE	COLCHESTER	COAL	-	617.0	
-756.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1226.0	
-2320.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2790.0	TOP OF NEW ALBANY
-2330.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2800.0	
-2382.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2852.0	BASE OF NEW ALBANY

MAPID: 02701294000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 6 **QUARTERS/FOOTAGES:** 2310' S line, 360' E line
QUADRANGLE: BOULDER **LONGITUDE:** -89.234159 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.645172 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 2832.0 **LOG TYPE:** Electric Log
SOURCE: FLETCHER, DAVID **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-18.0	CARBONDALE	SPRINGFIELD	COAL	-	480.0	
-142.0	CARBONDALE	COLCHESTER	COAL	-	604.0	
-748.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1210.0	
-2309.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2771.0	TOP OF NEW ALBANY
-2328.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2790.0	
-2370.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2832.0	BASE OF NEW ALBANY

MAPID: 02701294000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 6 **QUARTERS/FOOTAGES:** 2310' S line, 360' E line
QUADRANGLE: BOULDER **LONGITUDE:** -89.234159 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.645172 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 458.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	MODESTO	PIASA	LIMESTONE	4.0	409.0	
49.0	CARBONDALE		SHALE	23.0	413.0	
26.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	436.0	
17.0	CARBONDALE	LAWSON	SHALE	9.0	445.0	
8.0	CARBONDALE	HERRIN	COAL	4.0	454.0	

MAPID: 02700170000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 7 **QUARTERS/FOOTAGES:** 2400' N line, 3200' E line
QUADRANGLE: BOULDER **LONGITUDE:** -89.244367 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.632713 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 457.9 **LOGGED (FT.):** 1600.0 **LOG TYPE:**
SOURCE: OHIO OIL, FLAHERTY 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
346.9	BOND	CARTHAGE	LIMESTONE	-	111.0	
-7.1	CARBONDALE	HERRIN	COAL	-	465.0	

MAPID: 02700170000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 7 QUARTERS/FOOTAGES: 2400' N line, 3200' E line

QUADRANGLE: BOULDER LONGITUDE: -89.244367 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.632713 DATE COLLECTED: 2 / 0 / 1914

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 1600.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO. WELL TYPE: Oil and Gas Test

COMMENT: QUESTIONABLE LOCATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
458.0			UNCONSOLIDATED	30.0	0.0	
428.0			ROCK	43.0	30.0	
385.0			SHALE	38.0	73.0	
347.0			LIMESTONE	11.0	111.0	
336.0			COAL	3.0	122.0	
333.0			ROCK	315.0	125.0	
18.0			LIMESTONE	25.0	440.0	
-7.0	CARBONDALE	HERRIN	COAL	7.0	465.0	
-14.0			ROCK	1128.0	472.0	

MAPID: 02700780000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 8 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.225082 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.626557 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 1715.0 LOG TYPE:

SOURCE: TEXAS CO, CONRAD A L 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
342.0	BOND	CARTHAGE	LIMESTONE	-	130.0	
-18.0	CARBONDALE	HERRIN	COAL	-	490.0	

MAPID: 02700780000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 8 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.225082 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.626557 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 499.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
26.0	MODESTO	PIASA	LIMESTONE	6.0	446.0	
20.0	MODESTO		SHALE	18.0	452.0	
2.0	CARBONDALE	DANVILLE	COAL	3.0	470.0	
-1.0	CARBONDALE		SHALE	4.0	473.0	
-5.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	477.0	
-12.0	CARBONDALE	LAWSON	SHALE	9.0	484.0	
-21.0	CARBONDALE	HERRIN	COAL	6.0	493.0	

MAPID: 02725933000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 990' W line of SW NW

QUADRANGLE: BOULDER LONGITUDE: -89.229597 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.634044 DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 2870.0 LOG TYPE: Electric Log

SOURCE: AMERICAN LAND & EXPLORATION, INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	CARBONDALE	SPRINGFIELD	COAL	-	520.0	
-175.0	CARBONDALE	COLCHESTER	COAL	-	652.0	
-761.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1238.0	
-2330.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2807.0	TOP OF NEW ALBANY
-2350.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2827.0	
-2393.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2870.0	BASE OF NEW ALBANY

MAPID: 02701169000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 9 QUARTERS/FOOTAGES: 2310' N line, 990' E line

QUADRANGLE: BOULDER LONGITUDE: -89.19961 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.630911 DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 508.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
24.0	MODESTO	PIASA	LIMESTONE	7.0	456.0
17.0	MODESTO		SHALE	16.0	463.0
1.0	CARBONDALE	DANVILLE	COAL	2.0	479.0
-1.0	CARBONDALE		SHALE	4.0	481.0
-5.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	485.0
-11.0	CARBONDALE	LAWSON	SHALE	8.0	491.0
-19.0	CARBONDALE	BRERETON	LIMESTONE	2.0	499.0
-21.0	CARBONDALE	ANNA	SHALE	2.0	501.0
-23.0	CARBONDALE	HERRIN	COAL	5.0	503.0

MAPID: 02724230000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 9 QUARTERS/FOOTAGES: 355' S line, 330' E line of SE NE

QUADRANGLE: BOULDER LONGITUDE: -89.197291 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.630808 DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 2897.0 LOG TYPE: Electric Log

SOURCE: TOTAL LEONARD, INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN COMMENT	
-39.0	CARBONDALE	SPRINGFIELD	COAL	-	519.0	
-175.0	CARBONDALE	COLCHESTER	COAL	-	655.0	
-767.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1247.0	
-2346.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2826.0	TOP OF NEW ALBANY
-2358.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2838.0	
-2417.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2897.0	BASE OF NEW ALBANY

MAPID: 02700416000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 10 QUARTERS/FOOTAGES: 228' S line, 110' E line of NE SE SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.178052 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.623976 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 2940.0 LOG TYPE: Electric Log

SOURCE: HUGHES PETROL CO WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-812.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1290.0	
-2407.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2885.0	TOP OF NEW ALBANY
-2416.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2894.0	
-2462.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2940.0	BASE OF NEW ALBANY

MAPID: 02701054000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 10 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: BOULDER LONGITUDE: -89.194966 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.630642 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 1471.0 LOG TYPE:

SOURCE: CRLSN&FRSN, SWAGLER B 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
353.0	BOND	CARTHAGE	LIMESTONE	-	128.0	
-1.0	CARBONDALE	HERRIN	COAL	-	482.0	

MAPID: 02701103000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 10 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: BOULDER LONGITUDE: -89.192646 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.6306 DATE COLLECTED: 5 / 0 / 1955

SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 660.0 LOG TYPE: Electric Log

SOURCE: CARLSTON, J. B. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	MODESTO	PIASA	UNCLASSIFIED	-	440.0	
3.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	483.0	
-15.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.0	501.0	
-74.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	560.0	
-174.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	660.0	

MAPID: 02701103000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 10 QUARTERS/FOOTAGES: 2310' N line, 990' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.192646 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.6306 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 491.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
44.0	MODESTO	PIASA	LIMESTONE	3.0	442.0
41.0	MODESTO		SHALE	18.0	445.0
23.0	CARBONDALE	DANVILLE	COAL	2.0	463.0
21.0	CARBONDALE		SHALE	3.0	465.0
18.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	468.0
12.0	CARBONDALE	LAWSON	SHALE	5.0	474.0
7.0	CARBONDALE	BRERETON	LIMESTONE	2.0	479.0
5.0	CARBONDALE	ANNA	SHALE	2.0	481.0
3.0	CARBONDALE	HERRIN	COAL	8.0	483.0

MAPID: 02700171000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 11 QUARTERS/FOOTAGES: NW SW SW
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.176492 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.624184 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 472.6 LOGGED (FT.): 955.0 LOG TYPE:
 SOURCE: AMAZON OG, SCHLCHTMNN WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.4	CARBONDALE	HERRIN	COAL	-	511.0

MAPID: 02701055000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 990' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.173859 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.635082 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 1721.0 LOG TYPE:
 SOURCE: SCHFLY M, HAHN G 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
309.0	BOND	CARTHAGE	LIMESTONE	-	184.0
-25.0	CARBONDALE	HERRIN	COAL	-	518.0

MAPID: 02701055000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 990' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.173859 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.635082 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 572.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	MODESTO	PIASA	LIMESTONE	2.0	520.0	
-29.0	CARBONDALE	LAWSON	SHALE	40.0	522.0	
-69.0	CARBONDALE	BRERETON	LIMESTONE	4.0	562.0	
-73.0	CARBONDALE	ANNA	SHALE	2.0	566.0	
-75.0	CARBONDALE	HERRIN	COAL	4.0	568.0	

MAPID: 02701055000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 990' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.173859 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.635082 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 1314.0 LOG TYPE: Electric Log
 SOURCE: SCHLAFLY M J WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-112.0	CARBONDALE	SPRINGFIELD	COAL	-	605.0	
-209.0	CARBONDALE	COLCHESTER	COAL	-	702.0	
-821.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1314.0	

MAPID: 02700172000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 12 QUARTERS/FOOTAGES: SE SE SW
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.150922 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.621018 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 482.8 LOGGED (FT.): 1796.0 LOG TYPE:
 SOURCE: TREAT&CRAW, THOMAS 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-87.2	CARBONDALE	HERRIN	COAL	-	570.0	CORRELATION UNCERTAIN

MAPID: 02701056000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 990' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.143925

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.620643

DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 498.0

LOGGED (FT.): 1563.0

LOG TYPE:

SOURCE: DORAN PAUL, NEY 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
303.0	BOND	CARTHAGE	LIMESTONE	-	195.0
-74.0	CARBONDALE	HERRIN	COAL	-	572.0

MAPID: 02701056000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 990' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.143925

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.620643

DATE COLLECTED:

SURFACE ELEVATION (FT.): 498.0

LOGGED (FT.): 577.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-21.0	MODESTO	PIASA	LIMESTONE	5.0	519.0
-26.0	MODESTO		SHALE	17.0	524.0
-43.0	CARBONDALE	DANVILLE	COAL	3.0	541.0
-46.0	CARBONDALE		SHALE	3.0	544.0
-49.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	547.0
-58.0	CARBONDALE	LAWSON	SHALE	2.0	556.0
-60.0	CARBONDALE	CONANT	LIMESTONE	4.0	558.0
-64.0	CARBONDALE		SHALE	2.0	562.0
-66.0	CARBONDALE	BRERETON	LIMESTONE	6.0	564.0
-72.0	CARBONDALE	ANNA	SHALE	2.0	570.0
-74.0	CARBONDALE	HERRIN	COAL	5.0	572.0

MAPID: 02725811000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 12 **QUARTERS/FOOTAGES:** 470' S line, 330' E line of SE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.141597 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.620906 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 3034.0 **LOG TYPE:** Electric Log
SOURCE: CORNERSTNE EXPL.CO.,INC. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-104.0	CARBONDALE	SPRINGFIELD	COAL	-	608.0	
-234.0	CARBONDALE	COLCHESTER	COAL	-	738.0	
-872.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1376.0	
-2466.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2970.0	TOP OF NEW ALBANY
-2476.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2980.0	
-2530.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	3034.0	BASE OF NEW ALBANY

MAPID: 02701057000C **VERSION:** 1 **PROJECT:** IDMM-GWQX
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.14399 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.618818 **DATE COLLECTED:** 5 / 0 / 1946
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 644.0 **LOG TYPE:** Electric Log
SOURCE: DORAN PAUL EST **WELL TYPE:** Producer-Oil
COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
305.0	BOND	CARTHAGE	UNCLASSIFIED	-	188.0	
-79.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	572.0	
-115.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	6.0	608.0	
-151.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	644.0	

MAPID: 02701057000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 13 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.14399 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.618818 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 1423.0 **LOG TYPE:**
SOURCE: DORAN PAUL, THOMAS J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
305.0	BOND	CARTHAGE	LIMESTONE	-	188.0	
-80.0	CARBONDALE	HERRIN	COAL	-	573.0	

MAPID: 02703982000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 13 QUARTERS/FOOTAGES: 1320' S line, 0' E line
 QUADRANGLE: BREESE LONGITUDE: -89.140801 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.608544 DATE COLLECTED: 9 / 15 / 1971
 SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 606.2 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12620C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
301.2			COAL WITH SHALE	2.1	198.8
228.5			COAL WITH SHALE	1.4	271.5
116.2			COAL WITH SHALE	0.3	383.8
-32.7	SHELBURN	DANVILLE	COAL	2.5	532.7
-53.3			COAL	0.2	553.3
-64.9			COAL	4.1	564.9
-83.5	CARBONDALE	HERRIN	COAL	6.0	583.5

MAPID: 02703982000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 13 QUARTERS/FOOTAGES: 1320' S line, 0' E line
 QUADRANGLE: BREESE LONGITUDE: -89.140801 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.608544 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 582.0 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 12620C WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-6.8	MODESTO		GRAY SHALE	25.0	506.8
-31.8	CARBONDALE	DANVILLE	COAL	2.5	531.8
-34.3	CARBONDALE		CLAYSTONE	2.6	534.3
-36.9	CARBONDALE		GRAY SHALE	6.4	536.9
-43.3	CARBONDALE	BANKSTON FORK	LIMESTONE	2.6	543.3
-45.9	CARBONDALE	LAWSON	SILTY SHALE	4.1	545.9
-50.0	CARBONDALE	CONANT	LIMESTONE	1.4	550.0
-51.4	CARBONDALE	JAMESTOWN	BONE COAL	1.2	551.4
-52.6	CARBONDALE		DARK GRAY SHALE	3.1	552.6
-55.7	CARBONDALE	BRERETON	LIMESTONE	6.4	555.7
-62.1	CARBONDALE	ANNA	DARK GRAY SHALE	2.0	562.1
-64.0	CARBONDALE	HERRIN	COAL WITH SHALE PARTINGS	18.0	564.0

MAPID: 02700328000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 14 QUARTERS/FOOTAGES: 975' N line, 2625' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.172661

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.612564

DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 496.0

LOGGED (FT.): 1795.0

LOG TYPE:

SOURCE: TRAHAN ETL, NICOLAY 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
309.0	BOND	CARTHAGE	LIMESTONE	-	187.0
-58.0	CARBONDALE	HERRIN	COAL	-	554.0

MAPID: 02700328000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 14 QUARTERS/FOOTAGES: 975' N line, 2625' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.172661

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.612564

DATE COLLECTED:

SURFACE ELEVATION (FT.): 499.0

LOGGED (FT.): 564.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-16.0	MODESTO	PIASA	LIMESTONE	5.0	515.0
-21.0	MODESTO		SHALE	10.0	520.0
-31.0	CARBONDALE	DANVILLE	COAL	1.5	530.0
-32.5	CARBONDALE		SHALE	3.5	531.5
-36.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	535.0
-41.0	CARBONDALE	LAWSON	SHALE	3.0	540.0
-44.0	CARBONDALE	CONANT	LIMESTONE	5.0	543.0
-49.0	CARBONDALE		SHALE	3.0	548.0
-52.0	CARBONDALE	BRERETON	LIMESTONE	3.0	551.0
-55.0	CARBONDALE	ANNA	SHALE	3.0	554.0
-58.0	CARBONDALE	HERRIN	COAL	7.5	557.0

MAPID: 02700328000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 14 QUARTERS/FOOTAGES: 975' N line, 2625' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.172661 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.612564 DATE COLLECTED:

SURFACE ELEVATION (FT.): 499.0 LOGGED (FT.): 1323.0 LOG TYPE: Electric Log

SOURCE: TRAHAN, B. N., ETAL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-96.0	CARBONDALE	SPRINGFIELD	COAL	-	595.0
-214.0	CARBONDALE	COLCHESTER	COAL	-	713.0
-824.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1323.0

MAPID: 02701058000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.195185 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.621438 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 1505.0 LOG TYPE:

SOURCE: WINN C R, TREFRT COM 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
339.0	BOND	CARTHAGE	LIMESTONE	-	145.0
-18.0	CARBONDALE	HERRIN	COAL	-	502.0

MAPID: 02701058000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.195185 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.621438 DATE COLLECTED:

SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 507.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
26.0	MODESTO	PIASA	LIMESTONE	5.0	458.0
21.0	MODESTO		SHALE	18.0	463.0
3.0	CARBONDALE	DANVILLE	COAL	3.0	481.0
0.0	CARBONDALE		SHALE	3.0	484.0
-3.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	487.0
-9.0	CARBONDALE	LAWSON	SHALE	5.0	493.0
-14.0	CARBONDALE	BRERETON	LIMESTONE	2.0	498.0
-16.0	CARBONDALE	ANNA	SHALE	2.0	500.0
-18.0	CARBONDALE	HERRIN	COAL	5.0	502.0

MAPID: 02701396000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 16 **QUARTERS/FOOTAGES:** 412' S line, 330' E line of SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.206939 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.60947 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1306.0 **LOG TYPE:** Electric Log
SOURCE: DERRINGTON H H **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-68.0	CARBONDALE	SPRINGFIELD	COAL	-	538.0
-205.0	CARBONDALE	COLCHESTER	COAL	-	675.0
-836.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1306.0

MAPID: 02701396000C **VERSION:** 2 **PROJECT:** IDMM-GWQX
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 16 **QUARTERS/FOOTAGES:** 412' S line, 330' E line of SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.206939 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.60947 **DATE COLLECTED:** 5 / 0 / 1951
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 676.0 **LOG TYPE:** Electric Log
SOURCE: DERRINGTON H H **WELL TYPE:** Producer-Oil
COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
4.0	MODESTO	PIASA	UNCLASSIFIED	-	466.0
-30.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	500.0
-67.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	3.0	537.0
-130.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	600.0
-206.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	676.0

MAPID: 02704146000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 16 **QUARTERS/FOOTAGES:** 0' S line, 660' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.198948 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.607984 **DATE COLLECTED:** 9 / 7 / 1971
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 502.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12619C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-24.4	CARBONDALE	HERRIN	COAL	4.9	494.4

MAPID: 02704146000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 16 QUARTERS/FOOTAGES: 0' S line, 660' E line

QUADRANGLE: BREESE LONGITUDE: -89.198948

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.607984

DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 499.2

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12619C

WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
29.5	CARBONDALE		GRAY SHALE	25.0	440.5
4.5	CARBONDALE	LAWSON	SANDSTONE	14.8	465.5
-10.3	CARBONDALE	BRERETON	LIMESTONE	8.9	480.3
-19.2	CARBONDALE	ANNA	DARK GRAY SHALE	4.8	489.2
-24.0	CARBONDALE	HERRIN	COAL	5.2	494.0

MAPID: 02700582000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 17 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.22308

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.610007

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 1699.0

LOG TYPE:

SOURCE: TEXAS CO, STOKES J T 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
359.0	BOND	CARTHAGE	LIMESTONE	-	118.0
1.0	CARBONDALE	HERRIN	COAL	-	476.0

MAPID: 02704072000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 17 QUARTERS/FOOTAGES: 0' N line, 1980' W line

QUADRANGLE: BREESE LONGITUDE: -89.226292

GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.623882

DATE COLLECTED: 7 / 29 / 1971

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 505.1

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12615C

WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
414.8			COAL	0.2	50.2
-28.2	SHELBURN	JAMESTOWN	COAL	0.1	493.2
-34.4	CARBONDALE	HERRIN	COAL	4.7	499.4

MAPID: 02704072000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 17 QUARTERS/FOOTAGES: 0' N line, 1980' W line

QUADRANGLE: BREESE LONGITUDE: -89.226292 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.623882 DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 503.7 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12615C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
13.9	MODESTO	PIASA	LIMESTONE	6.3	451.1
7.6	MODESTO		GRAY SHALE	16.3	457.4
-8.7	CARBONDALE	DANVILLE	COAL	2.2	473.7
-10.9	CARBONDALE		CLAYSTONE	1.1	475.9
-12.0	CARBONDALE		GRAY SHALE	1.5	477.0
-13.5	CARBONDALE	BANKSTON FORK	LIMESTONE	5.4	478.5
-18.9	CARBONDALE	LAWSON	SILTY SHALE	3.3	483.9
-22.2	CARBONDALE	LAWSON	DARK GRAY SHALE	1.6	487.2
-23.8	CARBONDALE	CONANT	LIMESTONE	3.5	488.8
-27.3	CARBONDALE	JAMESTOWN	BONE COAL	0.7	492.3
-28.0	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	6.0	493.0
-34.0	CARBONDALE	HERRIN	COAL	4.7	499.0

MAPID: 02701397000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 18 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.242361 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.618223 DATE COLLECTED: 2 / 0 / 1946

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 648.0 LOG TYPE: Electric Log

SOURCE: SCHLAFLY H J ETAL WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
343.0	BOND	CARTHAGE	UNCLASSIFIED	-	120.0
23.0	MODESTO	PIASA	UNCLASSIFIED	-	440.0
-2.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	465.0
-23.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	486.0
-48.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.0	511.0
-117.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	580.0
-144.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	607.0
-185.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	648.0

MAPID: 02701397000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 18 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.242361

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.618223

DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0

LOGGED (FT.): 495.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
20.0	MODESTO	PIASA	LIMESTONE	5.0	443.0	
15.0	MODESTO		SHALE	19.0	448.0	
-4.0	CARBONDALE	DANVILLE	COAL	2.0	467.0	
-6.0	CARBONDALE		SHALE	6.0	469.0	
-12.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	475.0	
-18.0	CARBONDALE	LAWSON	SHALE	8.0	481.0	
-26.0	CARBONDALE	HERRIN	COAL	6.0	489.0	

MAPID: 02701397000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 18 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.242361

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.618223

DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0

LOGGED (FT.): 1208.0

LOG TYPE: Electric Log

SOURCE: SCHLAFLY H J ETAL

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	CARBONDALE	SPRINGFIELD	COAL	-	510.0	
-185.0	CARBONDALE	COLCHESTER	COAL	-	648.0	
-745.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1208.0	

MAPID: 02700355000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 19 QUARTERS/FOOTAGES: 1636' N line, 2310' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.245675

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.605605

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 464.0

LOGGED (FT.): 2970.0

LOG TYPE:

SOURCE: TEXAS CO, ZIMMERMN C 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
384.0	BOND	CARTHAGE	LIMESTONE	-	80.0	
24.0	CARBONDALE	HERRIN	COAL	-	440.0	

MAPID: 02700355000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 19 QUARTERS/FOOTAGES: 1636' N line, 2310' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.245675

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.605605

DATE COLLECTED:

SURFACE ELEVATION (FT.): 462.0

LOGGED (FT.): 445.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	MODESTO	PIASA	LIMESTONE	4.0	397.0	
61.0	MODESTO		SHALE	18.0	401.0	
43.0	CARBONDALE	DANVILLE	COAL	3.0	419.0	
40.0	CARBONDALE		SHALE	3.0	422.0	
37.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	425.0	
31.0	CARBONDALE	LAWSON	SHALE	8.0	431.0	
23.0	CARBONDALE	HERRIN	COAL	6.0	439.0	

MAPID: 02724431000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 990' E line of SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.247299

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.601995

DATE COLLECTED:

SURFACE ELEVATION (FT.): 468.0

LOGGED (FT.): 2822.0

LOG TYPE: Electric Log

SOURCE: EGO OIL COMPANY

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-11.0	CARBONDALE	SPRINGFIELD	COAL	-	479.0	
-112.0	CARBONDALE	COLCHESTER	COAL	-	580.0	
-714.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1182.0	
-2294.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2762.0	TOP OF NEW ALBANY
-2302.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2770.0	
-2354.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2822.0	BASE OF NEW ALBANY

MAPID: 02700446000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 20 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.232578

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.603138

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 467.0

LOGGED (FT.): 1500.0

LOG TYPE:

SOURCE: KERWIN T R, SCHAFLEY 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
371.0	BOND	CARTHAGE	LIMESTONE	-	96.0	
-10.0	CARBONDALE	HERRIN	COAL	-	477.0	CORRELATION UNCERTAIN

MAPID: 02701036000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 21 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.20719 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.594612 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 1453.0 LOG TYPE:

SOURCE: SHEDDN&WHT, KLNBOEKR A 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
361.0	BOND	CARTHAGE	LIMESTONE	-	122.0
9.0	CARBONDALE	HERRIN	COAL	-	474.0

MAPID: 02701042000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 21 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.197954 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.596019 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 1318.0 LOG TYPE:

SOURCE: SHELL OC, NOLLER L 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
44.0	CARBONDALE	HERRIN	COAL	-	438.0

MAPID: 02701399000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 21 QUARTERS/FOOTAGES: 2310' N line, 1650' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.20252 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.601762 DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 482.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
46.0	MODESTO	PIASA	LIMESTONE	5.0	434.0
41.0	MODESTO		SHALE	16.0	439.0
25.0	CARBONDALE	DANVILLE	COAL	2.0	455.0
23.0	CARBONDALE		SHALE	5.0	457.0
18.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	462.0
14.0	CARBONDALE	LAWSON	SHALE	8.0	466.0
6.0	CARBONDALE	HERRIN	COAL	8.0	474.0

MAPID: 02702575000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 660' W line of SW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.203687 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.596287 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 2910.0 LOG TYPE: Electric Log

SOURCE: TURNER F E WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-10.0	CARBONDALE	SPRINGFIELD	COAL	-	482.0	
-120.0	CARBONDALE	COLCHESTER	COAL	-	592.0	
-767.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1239.0	
-2368.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2840.0	TOP OF NEW ALBANY
-2379.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2851.0	
-2438.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2910.0	BASE OF NEW ALBANY

MAPID: 02700174000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 22 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.186189 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.606423 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 471.3 LOGGED (FT.): 1624.0 LOG TYPE:

SOURCE: BLUEHEN OC, PRICE 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
331.3	BOND	CARTHAGE	LIMESTONE	-	140.0	
-28.7	CARBONDALE	HERRIN	COAL	-	500.0	CORRELATION UNCERTAIN

MAPID: 02700590000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 22 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.195668 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.594063 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 2909.0 LOG TYPE: Electric Log

SOURCE: CENTRAL PIPELINE CO WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
16.0	CARBONDALE	SPRINGFIELD	COAL	-	462.0	
-121.0	CARBONDALE	COLCHESTER	COAL	-	599.0	
-760.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1238.0	
-2365.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2843.0	TOP OF NEW ALBANY
-2376.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2854.0	
-2431.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2909.0	BASE OF NEW ALBANY

MAPID: 02700590000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 22 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.195668

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.594063

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 3028.0

LOG TYPE:

SOURCE: CENTRLPIPE, KLUTH H 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	-	432.0	

MAPID: 02702032000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 22 QUARTERS/FOOTAGES: 1650' S line, 1650' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.190975

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.597463

DATE COLLECTED:

SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 480.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.0	MODESTO	PIASA	LIMESTONE	5.0	429.0	
50.0	MODESTO		SHALE	17.0	434.0	
33.0	CARBONDALE	DANVILLE	COAL	2.0	451.0	
31.0	CARBONDALE		SHALE	5.0	453.0	
26.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	458.0	
21.0	CARBONDALE	LAWSON	SHALE	9.0	463.0	
12.0	CARBONDALE	HERRIN	COAL	8.0	472.0	

MAPID: 02701151000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 23 QUARTERS/FOOTAGES: 1650' N line, 2310' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.167626

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.60181

DATE COLLECTED: 10 / 0 / 1955

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 0.0

LOG TYPE: Drillers Log

SOURCE: HOPKINS, DALE

WELL TYPE: Coal Test

COMMENT:

MAPID: 02701151000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 23 QUARTERS/FOOTAGES: 1650' N line, 2310' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.167626

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.60181

DATE COLLECTED:

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 518.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	MODESTO	PIASA	LIMESTONE	4.0	466.0	
30.0	MODESTO		SHALE	18.0	470.0	
12.0	CARBONDALE	DANVILLE	COAL	2.0	488.0	
10.0	CARBONDALE		SHALE	5.0	490.0	
5.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	495.0	
0.0	CARBONDALE	LAWSON	SHALE	3.0	500.0	
-3.0	CARBONDALE	BRERETON	LIMESTONE	3.0	503.0	
-6.0	CARBONDALE	ANNA	SHALE	5.0	506.0	
-11.0	CARBONDALE	HERRIN	COAL	7.0	511.0	

MAPID: 02701405000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.167979

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.592637

DATE COLLECTED:

SURFACE ELEVATION (FT.): 487.0 LOGGED (FT.): 2934.0

LOG TYPE: Electric Log

SOURCE: JAHN, E. HOMER

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-65.0	CARBONDALE	SPRINGFIELD	COAL	-	552.0	
-183.0	CARBONDALE	COLCHESTER	COAL	-	670.0	
-779.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1266.0	
-2379.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2866.0	TOP OF NEW ALBANY
-2389.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2876.0	
-2447.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2934.0	BASE OF NEW ALBANY

MAPID: 02700447000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 24 QUARTERS/FOOTAGES: SW NE NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.153682

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.602882

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 497.0 LOGGED (FT.): 1620.0

LOG TYPE:

SOURCE: WILLMS ETL, THOMAS EST

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
297.0	BOND	CARTHAGE	LIMESTONE	-	200.0	
-105.0	CARBONDALE	HERRIN	COAL	-	602.0	CORRELATION UNCERTAIN

MAPID: 02700449000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 25 QUARTERS/FOOTAGES: 325' S line, 312' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.159141

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.577596

DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 2886.0

LOG TYPE: Electric Log

SOURCE: MAGNOLIA PETROLEUM

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-708.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1185.0	
-2341.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2818.0	TOP OF NEW ALBANY
-2348.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2825.0	
-2409.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2886.0	BASE OF NEW ALBANY

MAPID: 02700450000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 26 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.165822

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.585235

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 1467.0

LOG TYPE:

SOURCE: MCBRIDEINC, KEISTER A

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
348.0	BOND	CARTHAGE	LIMESTONE	-	129.0	
-23.0	CARBONDALE	HERRIN	COAL	-	500.0	

MAPID: 02700571000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.177491 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.580334 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 490.0 **LOGGED (FT.):** 2993.0 **LOG TYPE:**
SOURCE: MCKEE R O, LIPPERT M 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
28.0	CARBONDALE	HERRIN	COAL	-	462.0	

MAPID: 02700588000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 26 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.177413 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.585809 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 488.0 **LOGGED (FT.):** 3103.0 **LOG TYPE:**
SOURCE: ADAMS OG, LIPPERT SWD1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
364.0	BOND	CARTHAGE	LIMESTONE	-	124.0	
-6.0	CARBONDALE	HERRIN	COAL	-	494.0	

MAPID: 02701081000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 26 **QUARTERS/FOOTAGES:** 660' S line, 330' E line of SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.170592 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.579081 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 483.0 **LOGGED (FT.):** 2889.0 **LOG TYPE:** Electric Log
SOURCE: GULF REFINING CO. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-725.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1208.0	
-2342.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2825.0	TOP OF NEW ALBANY
-2348.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2831.0	
-2406.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2889.0	BASE OF NEW ALBANY

MAPID: 02701059000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 27 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.195851

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.58677

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 1437.0

LOG TYPE:

SOURCE: CONREY T M, KEISTER E 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
377.0	BOND	CARTHAGE	LIMESTONE	-	95.0
38.0	CARBONDALE	HERRIN	COAL	-	434.0

MAPID: 02701072000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 27 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.193526

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.586662

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 1499.0

LOG TYPE:

SOURCE: CONREY T M, KEISTER E 3

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
377.0	BOND	CARTHAGE	LIMESTONE	-	100.0
37.0	CARBONDALE	HERRIN	COAL	-	440.0

MAPID: 02701072000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 27 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.193526

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.586662

DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 447.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
76.0	MODESTO	PIASA	LIMESTONE	3.0	401.0
73.0	MODESTO		SHALE	16.0	404.0
57.0	CARBONDALE	DANVILLE	COAL	3.0	420.0
54.0	CARBONDALE		SHALE	4.0	423.0
50.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	427.0
46.0	CARBONDALE	LAWSON	SHALE	4.0	431.0
42.0	CARBONDALE	BRERETON	LIMESTONE	2.0	435.0
40.0	CARBONDALE	ANNA	SHALE	3.0	437.0
37.0	CARBONDALE	HERRIN	COAL	7.0	440.0

MAPID: 02702588000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 660' W line of NW NW
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.194594 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.590356 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 2910.0 LOG TYPE: Electric Log
 SOURCE: ASHLAND OIL&REF. CO. WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
20.0	CARBONDALE	SPRINGFIELD	COAL	-	460.0	
-87.0	CARBONDALE	COLCHESTER	COAL	-	567.0	
-753.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1233.0	
-2364.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2844.0	TOP OF NEW ALBANY
-2377.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2857.0	
-2430.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2910.0	BASE OF NEW ALBANY

MAPID: 02700452000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 28 QUARTERS/FOOTAGES: SE NE SW
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.207478 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.583705 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 1460.0 LOG TYPE:
 SOURCE: THARPE L C, MERTEN 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
375.0	BOND	CARTHAGE	LIMESTONE	-	91.0	
9.0	CARBONDALE	HERRIN	COAL	-	457.0	CORRELATION UNCERTAIN

MAPID: 02701406000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 680' E line of SE NW
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.208567 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.58921 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 2906.0 LOG TYPE: Electric Log
 SOURCE: TURNER F E WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-9.0	CARBONDALE	SPRINGFIELD	COAL	-	494.0	
-175.0	CARBONDALE	COLCHESTER	COAL	-	660.0	
-757.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1242.0	
-2360.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2845.0	TOP OF NEW ALBANY
-2371.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2856.0	
-2421.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2906.0	BASE OF NEW ALBANY

MAPID: 02702610000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 380' E line of NW NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.202809 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.59258 DATE COLLECTED: 5 / 0 / 1949

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 520.0 LOG TYPE: Electric Log

SOURCE: TURNER F E WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
80.0	MODESTO	PIASA	UNCLASSIFIED	-	398.0
40.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	438.0
14.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.5	464.0
-42.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	520.0

MAPID: 02703180000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 28 QUARTERS/FOOTAGES: 1980' N line, 1650' W line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.209629 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.58834 DATE COLLECTED:

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 466.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
67.0	MODESTO	PIASA	LIMESTONE	4.0	418.0
63.0	MODESTO		SHALE	17.0	422.0
46.0	CARBONDALE	DANVILLE	COAL	2.0	439.0
44.0	CARBONDALE		SHALE	6.0	441.0
38.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	447.0
33.0	CARBONDALE	LAWSON	SHALE	4.0	452.0
29.0	CARBONDALE	BRERETON	LIMESTONE	2.5	456.0
26.5	CARBONDALE	ANNA	SHALE	3.5	458.5
23.0	CARBONDALE	HERRIN	COAL	4.0	462.0

MAPID: 02701060000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 30 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.24029 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.590732 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 1431.0 LOG TYPE:

SOURCE: FEDLER J, FRIEND H 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
380.0	BOND	CARTHAGE	LIMESTONE	-	65.0
20.0	CARBONDALE	HERRIN	COAL	-	425.0

MAPID: 0272429000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.242802 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.594487 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 2862.0 LOG TYPE: Electric Log

SOURCE: WHITMER E L OIL PROD WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-6.0	CARBONDALE	SPRINGFIELD	COAL	-	470.0	
-136.0	CARBONDALE	COLCHESTER	COAL	-	600.0	
-740.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1204.0	
-2335.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2799.0	TOP OF NEW ALBANY
-2344.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2808.0	
-2398.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2862.0	BASE OF NEW ALBANY

MAPID: 02701079000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 32 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.23106 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.572095 DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 1256.0 LOG TYPE: Electric Log

SOURCE: KUYKENDALL&WILLIAMS WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
0.0	CARBONDALE	SPRINGFIELD	COAL	-	470.0	
-98.0	CARBONDALE	COLCHESTER	COAL	-	568.0	
-786.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1256.0	

MAPID: 02701401000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 32 QUARTERS/FOOTAGES: 1650' S line, 990' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.219482

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.569724

DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0

LOGGED (FT.): 464.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
48.0	MODESTO	PIASA	LIMESTONE	6.0	416.0
42.0	MODESTO		SHALE	15.0	422.0
27.0	CARBONDALE	DANVILLE	COAL	2.0	437.0
25.0	CARBONDALE		SHALE	5.0	439.0
20.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	444.0
15.0	CARBONDALE	LAWSON	SHALE	5.0	449.0
10.0	CARBONDALE	BRERETON	LIMESTONE	3.0	454.0
7.0	CARBONDALE	ANNA	SHALE	2.0	457.0
5.0	CARBONDALE	HERRIN	COAL	5.0	459.0

MAPID: 02700595000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 33 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.205722

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.565383

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 473.0

LOGGED (FT.): 1510.0

LOG TYPE:

SOURCE: GERSON A W, KEISTER L 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
361.0	BOND	CARTHAGE	LIMESTONE	-	112.0
-2.0	CARBONDALE	HERRIN	COAL	-	475.0

MAPID: 02701078000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.214611

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.576788

DATE COLLECTED: 1 / 0 / 1946

SURFACE ELEVATION (FT.): 468.0

LOGGED (FT.): 500.0

LOG TYPE: Electric Log

SOURCE: SCHLAFLY H J ETAL

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
86.0	MODESTO	PIASA	UNCLASSIFIED	-	382.0
48.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	420.0
20.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.0	448.0
-32.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	500.0

MAPID: 02701767000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 33 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.1984 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.577774 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 477.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	MODESTO	PIASA	LIMESTONE	4.0	432.0	
36.0	MODESTO		SHALE	16.0	436.0	
20.0	CARBONDALE		SHALE	5.0	452.0	
15.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	457.0	
9.0	CARBONDALE	LAWSON	SHALE	4.0	463.0	
5.0	CARBONDALE	BRERETON	LIMESTONE	3.0	467.0	
2.0	CARBONDALE	ANNA	SHALE	2.0	470.0	
0.0	CARBONDALE	HERRIN	COAL	5.0	472.0	

MAPID: 02725299000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 33 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.207634 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.578253 DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 2902.0 LOG TYPE: Electric Log

SOURCE: YOCUM, GEORGE F. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-757.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1226.0	
-2371.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2840.0	TOP OF NEW ALBANY
-2381.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2850.0	
-2433.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2902.0	BASE OF NEW ALBANY

MAPID: 02700397000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 34 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.184673 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.5716 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 1410.0 LOG TYPE:

SOURCE: BLOSSER E, CARSON E 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-4.0	CARBONDALE	HERRIN	COAL	-	477.0	CORRELATION UNCERTAIN

MAPID: 02700463000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 34 QUARTERS/FOOTAGES: 1540' S line, 2310' W line
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.189415 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.567902 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 476.5 LOGGED (FT.): 2968.0 LOG TYPE:
 SOURCE: UNION PET, HOOD IRA 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
356.5	BOND	CARTHAGE	LIMESTONE	-	120.0
-6.5	CARBONDALE	HERRIN	COAL	-	483.0

MAPID: 02700463000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 34 QUARTERS/FOOTAGES: 1540' S line, 2310' W line
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.189415 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.567902 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 490.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
43.0	MODESTO	PIASA	LIMESTONE	9.0	433.0
34.0	MODESTO		SHALE	17.0	442.0
17.0	CARBONDALE	DANVILLE	COAL	2.0	459.0
15.0	CARBONDALE		SHALE	5.0	461.0
10.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	466.0
4.0	CARBONDALE	LAWSON	SHALE	6.0	472.0
-2.0	CARBONDALE	BRERETON	LIMESTONE	3.0	478.0
-5.0	CARBONDALE	ANNA	SHALE	3.0	481.0
-8.0	CARBONDALE	HERRIN	COAL	6.0	484.0

MAPID: 02700475000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 35 QUARTERS/FOOTAGES: NE NW SE
 QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.166205 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.568853 DATE COLLECTED: 0 / 0 / 1936
 SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 1371.0 LOG TYPE:
 SOURCE: ADAMS OG, COPPLE 4 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
396.0	BOND	CARTHAGE	LIMESTONE	-	85.0
25.0	CARBONDALE	HERRIN	COAL	-	456.0

MAPID: 02700988000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 35 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.161649 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.564981 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 1367.0 LOG TYPE:

SOURCE: SHELL PET, CRILEY 8 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
395.0	BOND	CARTHAGE	LIMESTONE	-	79.0
25.0	CARBONDALE	HERRIN	COAL	-	449.0

MAPID: 02701021000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 35 QUARTERS/FOOTAGES: 1980' S line, 1650' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.166234 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.567951 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 2904.0 LOG TYPE:

SOURCE: ADAMS OG, COPPLE EDW 13 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
390.0	BOND	CARTHAGE	LIMESTONE	-	92.0
19.0	CARBONDALE	HERRIN	COAL	-	463.0

MAPID: 02701021000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 1W SECTION: 35 QUARTERS/FOOTAGES: 1980' S line, 1650' E line

QUADRANGLE: CENTRALIA WEST LONGITUDE: -89.166234 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.567951 DATE COLLECTED:

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 471.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
68.0	MODESTO	PIASA	LIMESTONE	5.0	414.0
63.0	MODESTO		SHALE	17.0	419.0
46.0	CARBONDALE	DANVILLE	COAL	3.0	436.0
43.0	CARBONDALE		SHALE	6.0	439.0
37.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	445.0
33.0	CARBONDALE	LAWSON	SHALE	5.0	449.0
28.0	CARBONDALE	JAMESTOWN	LIMESTONE	2.0	454.0
26.0	CARBONDALE		SHALE	2.0	456.0
24.0	CARBONDALE	BRERETON	LIMESTONE	5.0	458.0
19.0	CARBONDALE	ANNA	SHALE	2.0	463.0
17.0	CARBONDALE	HERRIN	COAL	6.0	465.0

MAPID: 02701022000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 35 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.170886 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.567268 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 479.0 **LOGGED (FT.):** 2897.0 **LOG TYPE:**
SOURCE: ADAMS OG, COPPLE ED 20D **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
381.0	BOND	CARTHAGE	LIMESTONE	-	98.0	
15.0	CARBONDALE	HERRIN	COAL	-	464.0	

MAPID: 02701061000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 35 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.161538 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.570438 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 482.0 **LOGGED (FT.):** 2920.0 **LOG TYPE:**
SOURCE: ADAMS OG, KEISTER A 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
402.0	BOND	CARTHAGE	LIMESTONE	-	80.0	
30.0	CARBONDALE	HERRIN	COAL	-	452.0	

MAPID: 02702640000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 35 **QUARTERS/FOOTAGES:** 660' S line, 330' E line of SW
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.170955 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.564546 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 2822.0 **LOG TYPE:** Electric Log
SOURCE: ADAMS OIL & GAS **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-2274.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2754.0	TOP OF NEW ALBANY
-2280.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2760.0	
-2342.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2822.0	BASE OF NEW ALBANY

MAPID: 02700176000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 36 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.142947 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.574982 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 487.2 **LOGGED (FT.):** 1685.0 **LOG TYPE:**
SOURCE: OHIO OIL, THIERER L **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
2.2	CARBONDALE	HERRIN	COAL	-	485.0	CORRELATION UNCERTAIN

MAPID: 02701026000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 36 **QUARTERS/FOOTAGES:** 2002' S line, 1637' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.154685 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.567414 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 2928.0 **LOG TYPE:**
SOURCE: SMOKEY OC, ELLERMAN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
372.0	BOND	CARTHAGE	LIMESTONE	-	100.0	
2.0	CARBONDALE	HERRIN	COAL	-	470.0	

MAPID: 02701026000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 2N 1W **SECTION:** 36 **QUARTERS/FOOTAGES:** 2002' S line, 1637' W line
QUADRANGLE: CENTRALIA WEST **LONGITUDE:** -89.154685 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.567414 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 473.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	MODESTO	PIASA	LIMESTONE	6.0	421.0	
45.0	MODESTO		SHALE	16.0	427.0	
29.0	CARBONDALE	DANVILLE	COAL	2.0	443.0	
27.0	CARBONDALE		SHALE	6.0	445.0	
21.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	451.0	
15.0	CARBONDALE	LAWSON	SHALE	5.0	457.0	
10.0	CARBONDALE	BRERETON	LIMESTONE	3.0	462.0	
7.0	CARBONDALE	ANNA	SHALE	3.0	465.0	
4.0	CARBONDALE	HERRIN	COAL	5.0	468.0	

MAPID: 02700589000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 1 **QUARTERS/FOOTAGES:** 652' N line, 578' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.270236 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.652681 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 2684.0 **LOG TYPE:**
SOURCE: MITCHELL M, STEIN COMM 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	-	380.0	

MAPID: 02700589000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 1 **QUARTERS/FOOTAGES:** 652' N line, 578' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.270236 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.652681 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 386.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.0	MODESTO	PIASA	LIMESTONE	6.0	335.0	
92.0	MODESTO		SHALE	14.0	341.0	
78.0	CARBONDALE	DANVILLE	COAL	3.0	355.0	
75.0	CARBONDALE		SHALE	6.0	358.0	
69.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	364.0	
63.0	CARBONDALE	LAWSON	SHALE	10.0	370.0	
53.0	CARBONDALE	HERRIN	COAL	6.0	380.0	

MAPID: 02700589000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 1 QUARTERS/FOOTAGES: 652' N line, 578' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.270236 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.652681 DATE COLLECTED: 8 / 0 / 1943

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 383.0 LOG TYPE: Electric Log

SOURCE: MITCHELL M J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	6.0	333.0	
94.0	MODESTO		UNCLASSIFIED	5.0	339.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
89.0	CARBONDALE		UNCLASSIFIED	16.5	344.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
72.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	360.5	
64.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	369.0	
60.5	CARBONDALE		UNCLASSIFIED	2.5	372.5	SHALE ABOVE BRERETON LIMESTONE
58.0	CARBONDALE	BRERETON	LIMESTONE	0.5	375.0	
57.5	CARBONDALE	ANNA	BLACK SHALE	1.5	375.5	
56.0	CARBONDALE	HERRIN	COAL	6.0	377.0	

MAPID: 02700861000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 1 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.268649 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.648084 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 2782.0 LOG TYPE:

SOURCE: HARMON H A, REED MARY 2 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
350.0	BOND	CARTHAGE	LIMESTONE	-	88.0	
30.0	CARBONDALE	HERRIN	COAL	-	408.0	

MAPID: 02701037000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 1 QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.263898

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.644364

DATE COLLECTED: 6 / 0 / 1953

SURFACE ELEVATION (FT.): 436.0

LOGGED (FT.): 445.0

LOG TYPE: Electric Log

SOURCE: HARMON H A

WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	MODESTO	PIASA	LIMESTONE	7.0	395.0	
34.0	MODESTO		UNCLASSIFIED	5.0	402.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
29.0	CARBONDALE		UNCLASSIFIED	16.0	407.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
13.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	423.0	
4.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	432.0	
1.0	CARBONDALE		UNCLASSIFIED	2.0	435.0	SHALE ABOVE BRERETON LIMESTONE
-1.0	CARBONDALE	ANNA	BLACK SHALE	2.0	437.0	
-3.0	CARBONDALE	HERRIN	COAL	6.0	439.0	

MAPID: 02701037000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 1 QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.263898

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.644364

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 436.0

LOGGED (FT.): 2840.0

LOG TYPE:

SOURCE: HARMON H A, VOHLKAMP 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
354.0	BOND	CARTHAGE	LIMESTONE	-	82.0	
-4.0	CARBONDALE	HERRIN	COAL	-	440.0	

MAPID: 02701087000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.263932 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649828 DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 2768.0 LOG TYPE: Electric Log

SOURCE: STEIN CHARLES K WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-6.0	CARBONDALE	SPRINGFIELD	COAL	-	464.0	
-124.0	CARBONDALE	COLCHESTER	COAL	-	582.0	
-675.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1133.0	
-2244.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2702.0	TOP OF NEW ALBANY
-2261.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2719.0	
-2310.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2768.0	BASE OF NEW ALBANY

MAPID: 02701087000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.263932 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649828 DATE COLLECTED: 5 / 0 / 1955

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 440.0 LOG TYPE: Electric Log

SOURCE: STEIN CHARLES K WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.5	MODESTO	PIASA	LIMESTONE	5.5	393.5	
59.0	MODESTO		UNCLASSIFIED	6.0	399.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
53.0	CARBONDALE		UNCLASSIFIED	14.0	405.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
39.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	419.0	
33.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	425.0	
30.0	CARBONDALE		UNCLASSIFIED	3.0	428.0	SHALE ABOVE BRERETON LIMESTONE
27.0	CARBONDALE	ANNA	BLACK SHALE	3.0	431.0	
24.0	CARBONDALE	HERRIN	COAL	6.0	434.0	

MAPID: 02700583000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 1970' S line, 668' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.274484 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.645337 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 2842.0 LOG TYPE:

SOURCE: TEXAS CO, BUEHLER E 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
24.0	CARBONDALE	HERRIN	COAL	-	415.0	

MAPID: 02700583000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 1970' S line, 668' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.274484 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.645337 DATE COLLECTED:

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 422.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	MODESTO	PIASA	LIMESTONE	8.0	374.0	
57.0	MODESTO		SHALE	12.0	382.0	
45.0	CARBONDALE	DANVILLE	COAL	2.0	394.0	
43.0	CARBONDALE		SHALE	3.0	396.0	
40.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	399.0	
33.0	CARBONDALE	LAWSON	SHALE	11.0	406.0	
22.0	CARBONDALE	HERRIN	COAL	5.0	417.0	

MAPID: 02700583000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 1970' S line, 668' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.274484 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.645337 DATE COLLECTED: 7 / 0 / 1943

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: TEXAS INC WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.5	MODESTO	PIASA	LIMESTONE	9.0	366.5	
57.5	MODESTO		UNCLASSIFIED	5.5	375.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
52.0	CARBONDALE		UNCLASSIFIED	11.0	381.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
41.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	392.0	
32.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	401.0	
29.0	CARBONDALE		UNCLASSIFIED	3.0	404.0	SHALE ABOVE BRERETON LIMESTONE
26.0	CARBONDALE	ANNA	BLACK SHALE	3.0	407.0	
23.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02700608000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.277986

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.644389

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 2703.0

LOG TYPE:

SOURCE: TEXAS CO, MURPHY C 4

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	CARBONDALE	HERRIN	COAL	-	342.0	

MAPID: 02700989000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.282708

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.646129

DATE COLLECTED: 5 / 0 / 1942

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 401.0

LOG TYPE: Electric Log

SOURCE: GULF REFINING CO.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
88.0	MODESTO	PIASA	LIMESTONE	5.0	348.0	
83.0	MODESTO		UNCLASSIFIED	6.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.0	CARBONDALE	DANVILLE	COAL	2.0	359.0	
75.0	CARBONDALE		UNCLASSIFIED	16.0	361.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
59.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	377.0	
52.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	384.0	
49.5	CARBONDALE		UNCLASSIFIED	2.5	386.5	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	1.0	389.0	
46.0	CARBONDALE	ANNA	BLACK SHALE	2.0	390.0	
44.0	CARBONDALE	HERRIN	COAL	9.0	392.0	

MAPID: 02700989000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.282708

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.646129

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 1276.0

LOG TYPE:

SOURCE: GULF REF, WHITE 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	CARBONDALE	HERRIN	COAL	-	394.0	

MAPID: 02701003000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE

QUADRANGLE: KEYSPORT LONGITUDE: -89.278034 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.648039 DATE COLLECTED: 6 / 0 / 1942

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 367.5 LOG TYPE: Electric Log

SOURCE: TEXAS INC WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.5	MODESTO	PIASA	LIMESTONE	3.0	319.5	
110.5	MODESTO		UNCLASSIFIED	5.0	322.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.5	CARBONDALE	DANVILLE	COAL	2.5	327.5	
103.0	CARBONDALE		UNCLASSIFIED	18.0	330.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
85.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	348.0	
77.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	356.0	
74.0	CARBONDALE		UNCLASSIFIED	2.0	359.0	SHALE ABOVE BRERETON LIMESTONE
72.0	CARBONDALE	ANNA	BLACK SHALE	2.0	361.0	
70.0	CARBONDALE	HERRIN	COAL	4.5	363.0	

MAPID: 02701010000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 630' N line, 660' E line

QUADRANGLE: KEYSPORT LONGITUDE: -89.274594 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.652742 DATE COLLECTED: 4 / 0 / 1943

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 358.0 LOG TYPE: Electric Log

SOURCE: TEXAS INC WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.0	MODESTO	PIASA	LIMESTONE	3.5	310.0	
120.5	MODESTO		UNCLASSIFIED	5.5	313.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.0	CARBONDALE		UNCLASSIFIED	18.0	319.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	337.0	
90.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	344.0	
87.0	CARBONDALE		UNCLASSIFIED	2.5	347.0	SHALE ABOVE BRERETON LIMESTONE
84.5	CARBONDALE	ANNA	BLACK SHALE	2.5	349.5	
82.0	CARBONDALE	HERRIN	COAL	6.0	352.0	

MAPID: 02701286000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 0' W line of NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.283929 GEOLOGIST: C TREWOROY

CONFIDENTIAL: N LATITUDE: 38.649775 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 810.0 LOG TYPE: Electric Log

SOURCE: LAMPEN, EDWARD H. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	UNCLASSIFIED	-	313.0	
75.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	356.0	
49.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	2.0	382.0	
-9.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	440.0	
-26.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	457.0	
-79.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	510.0	
-379.0	BASE OF PENN.		UNCLASSIFIED	-	810.0	

MAPID: 02701286000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 0' W line of NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.283929 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649775 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 360.0 LOG TYPE: Electric Log

SOURCE: LAMPEN, EDWARD H. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.0	MODESTO	PIASA	LIMESTONE	5.0	310.0	
116.0	MODESTO		UNCLASSIFIED	6.0	315.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.0	CARBONDALE	DANVILLE	COAL	2.0	321.0	
108.0	CARBONDALE		UNCLASSIFIED	14.0	323.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
94.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	337.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	345.0	
83.0	CARBONDALE		UNCLASSIFIED	3.0	348.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	ANNA	BLACK SHALE	3.0	351.0	
77.0	CARBONDALE	HERRIN	COAL	6.0	354.0	

MAPID: 02701295000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.28275 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649795 DATE COLLECTED: 8 / 0 / 1956

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 371.0 LOG TYPE: Electric Log

SOURCE: LAMPEN, EDWARD H. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.5	MODESTO	PIASA	LIMESTONE	4.0	322.5	
104.5	MODESTO		UNCLASSIFIED	5.0	326.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
99.5	CARBONDALE		UNCLASSIFIED	17.0	331.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
82.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	348.5	
73.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	357.5	
70.5	CARBONDALE		UNCLASSIFIED	3.0	360.5	SHALE ABOVE BRERETON LIMESTONE
67.5	CARBONDALE	BRERETON	LIMESTONE	1.0	363.5	
66.5	CARBONDALE	ANNA	BLACK SHALE	1.5	364.5	
65.0	CARBONDALE	HERRIN	COAL	5.0	366.0	

MAPID: 02702698000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280374 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.646174 DATE COLLECTED: 6 / 0 / 1954

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 392.5 LOG TYPE: Electric Log

SOURCE: HARDIN, C. G. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.5	MODESTO	PIASA	LIMESTONE	3.5	342.5	
88.0	MODESTO		UNCLASSIFIED	5.0	346.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE		UNCLASSIFIED	19.0	351.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
64.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	370.0	
56.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	378.0	
52.5	CARBONDALE		UNCLASSIFIED	2.5	381.5	SHALE ABOVE BRERETON LIMESTONE
50.0	CARBONDALE	BRERETON	LIMESTONE	1.0	384.0	
49.0	CARBONDALE	ANNA	BLACK SHALE	1.0	385.0	
48.0	CARBONDALE	HERRIN	COAL	6.5	386.0	

MAPID: 02700796000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 3 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.292076 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.653291 DATE COLLECTED: 9 / 0 / 1940

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 379.0 LOG TYPE: Electric Log

SOURCE: BALDWIN OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
102.0	MODESTO	PIASA	LIMESTONE	5.0	328.0	
97.0	MODESTO		UNCLASSIFIED	5.0	333.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
92.0	CARBONDALE		UNCLASSIFIED	18.0	338.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
74.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	356.0	
64.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	365.5	
61.5	CARBONDALE		UNCLASSIFIED	2.5	368.5	SHALE ABOVE BRERETON LIMESTONE
59.0	CARBONDALE	BRERETON	LIMESTONE	1.5	371.0	
57.5	CARBONDALE	ANNA	BLACK SHALE	1.5	372.5	
56.0	CARBONDALE	HERRIN	COAL	5.0	374.0	

MAPID: 02700796000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 3 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.292076 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.653291 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 2740.0 LOG TYPE:

SOURCE: BALDWIN OC, MID LAK CL 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	HERRIN	COAL	-	374.0	

MAPID: 02701431000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 3 QUARTERS/FOOTAGES: 660' N line, 330' E line of NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.296708 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.652408 DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 2676.0 LOG TYPE: Electric Log

SOURCE: RAEBER LEROY WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
17.0	CARBONDALE	SPRINGFIELD	COAL	-	413.0	
-75.0	CARBONDALE	COLCHESTER	COAL	-	505.0	
-636.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1066.0	
-2184.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2614.0	TOP OF NEW ALBANY
-2203.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2633.0	
-2246.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2676.0	BASE OF NEW ALBANY

MAPID: 02701431000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 3 QUARTERS/FOOTAGES: 660' N line, 330' E line of NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.296708 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.652408 DATE COLLECTED: 10 / 0 / 1954

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 399.0 LOG TYPE: Electric Log

SOURCE: RAEBER LEROY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	4.0	345.0	
81.0	MODESTO		UNCLASSIFIED	5.5	349.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
75.5	CARBONDALE	DANVILLE	COAL	2.0	354.5	
73.5	CARBONDALE		UNCLASSIFIED	18.5	356.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
55.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	375.0	
45.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	384.5	
42.5	CARBONDALE		UNCLASSIFIED	2.5	387.5	SHALE ABOVE BRERETON LIMESTONE
40.0	CARBONDALE	BRERETON	LIMESTONE	1.5	390.0	
38.5	CARBONDALE	ANNA	BLACK SHALE	1.5	391.5	
37.0	CARBONDALE	HERRIN	COAL	6.0	393.0	

MAPID: 02701062000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.345537 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.647585 DATE COLLECTED: 10 / 0 / 1945

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 415.0 LOG TYPE: Electric Log

SOURCE: POWELL & REA WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	MODESTO	PIASA	LIMESTONE	5.5	367.0	
74.5	MODESTO		UNCLASSIFIED	4.5	372.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
70.0	CARBONDALE		UNCLASSIFIED	12.0	377.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
58.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	389.0	
51.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	396.0	
46.5	CARBONDALE		UNCLASSIFIED	4.0	400.5	SHALE ABOVE BRERETON LIMESTONE
42.5	CARBONDALE	BRERETON	LIMESTONE	1.5	404.5	
41.0	CARBONDALE	ANNA	BLACK SHALE	2.0	406.0	
39.0	CARBONDALE	HERRIN	COAL	7.0	408.0	

MAPID: 02701062000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.345537 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.647585 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 1311.0 LOG TYPE:

SOURCE: POWELL&REA, ALLEN C A 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
412.0	BOND	CARTHAGE	LIMESTONE	-	35.0	
39.0	CARBONDALE	HERRIN	COAL	-	408.0	

MAPID: 02701409000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.344314 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.642119 DATE COLLECTED: 1 / 0 / 1955

SURFACE ELEVATION (FT.): 425.0 LOGGED (FT.): 398.5 LOG TYPE: Electric Log

SOURCE: SCHIERMANN & IMMING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.5	MODESTO	PIASA	LIMESTONE	3.5	351.5	
70.0	MODESTO		UNCLASSIFIED	5.0	355.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
65.0	CARBONDALE		UNCLASSIFIED	13.0	360.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
52.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	373.0	
45.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	380.0	
39.0	CARBONDALE		UNCLASSIFIED	3.0	386.0	SHALE ABOVE BRERETON LIMESTONE
36.0	CARBONDALE	BRERETON	LIMESTONE	2.5	389.0	
33.5	CARBONDALE	ANNA	BLACK SHALE	2.5	391.5	
31.0	CARBONDALE	HERRIN	COAL	4.5	394.0	

MAPID: 02701529000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 660' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.344254 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.653064 DATE COLLECTED:

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 2550.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	CARBONDALE	SPRINGFIELD	COAL	-	460.0	
-99.0	CARBONDALE	COLCHESTER	COAL	-	531.0	
-558.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	990.0	
-2060.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2492.0	TOP OF NEW ALBANY
-2082.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2514.0	
-2118.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2550.0	BASE OF NEW ALBANY

MAPID: 02701529000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 660' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.344254 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.653064 DATE COLLECTED: 3 / 0 / 1957
 SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	4.0	
-	MODESTO		UNCLASSIFIED	5.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	2.5	

MAPID: 02702710000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.336315 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.642131 DATE COLLECTED: 6 / 0 / 1954
 SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02702711000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.336232 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.647625 DATE COLLECTED: 12 / 0 / 1950
 SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: LEAVITT S H WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	3.0	
-	MODESTO		UNCLASSIFIED	5.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	2.0	
-	CARBONDALE		UNCLASSIFIED	8.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	

MAPID: 02702712000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.343349 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.640291 DATE COLLECTED: 3 / 0 / 1954

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	MODESTO	PIASA	LIMESTONE	5.0	370.0	
61.0	MODESTO		UNCLASSIFIED	5.0	375.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
56.0	CARBONDALE		UNCLASSIFIED	13.5	380.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
42.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	393.5	
35.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	401.0	
31.0	CARBONDALE		UNCLASSIFIED	3.0	405.0	SHALE ABOVE BRERETON LIMESTONE
28.0	CARBONDALE	BRERETON	LIMESTONE	1.0	408.0	
27.0	CARBONDALE	ANNA	BLACK SHALE	1.0	409.0	
26.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02700166000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 6 QUARTERS/FOOTAGES: 2400' S line, 2350' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.364146 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.645969 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 472.1 LOGGED (FT.): 1100.0 LOG TYPE:

SOURCE: ZANHEISER, BOND 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
432.1	BOND	CARTHAGE	LIMESTONE	-	40.0	
17.1	CARBONDALE	HERRIN	COAL	-	455.0	

MAPID: 02700166000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 6 QUARTERS/FOOTAGES: 2400' S line, 2350' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.364146 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.645969 DATE COLLECTED: 6 / 3 / 1911

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 1100.0 LOG TYPE: Drillers Log

SOURCE: ZANHEISER WELL TYPE: Oil and Gas Test

COMMENT: QUESTIONABLE LOCATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.0			UNCONSOLIDATED	40.0	0.0	
432.0			ROCK	20.0	40.0	
412.0			SHALE	320.0	60.0	
92.0			COAL	5.0	380.0	
87.0			SHALE	60.0	385.0	
27.0			LIMESTONE	10.0	445.0	
17.0	CARBONDALE	HERRIN	COAL	8.0	455.0	
9.0			ROCK	637.0	463.0	

MAPID: 02701416000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 6 QUARTERS/FOOTAGES: 990' S line, 1650' W line of NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.36653 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649284 DATE COLLECTED: 7 / 0 / 1949

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 425.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.5	MODESTO	PIASA	LIMESTONE	4.0	376.5	
101.5	MODESTO		UNCLASSIFIED	4.0	380.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
97.5	CARBONDALE		UNCLASSIFIED	15.5	384.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
82.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	400.0	
74.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	408.0	
69.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	413.0	
68.0	CARBONDALE		UNCLASSIFIED	2.0	414.0	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	BRERETON	LIMESTONE	1.0	416.0	
65.0	CARBONDALE	ANNA	BLACK SHALE	1.0	417.0	
64.0	CARBONDALE	HERRIN	COAL	7.0	418.0	

MAPID: 02725896000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 6 QUARTERS/FOOTAGES: 2580' S line, 1156' W line of NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.369211 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.653569 DATE COLLECTED: 10 / 6 / 1981

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 453.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-6-2C WELL TYPE: Coal Test

COMMENT: DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
422.0	BOND	CARTHAGE	LIMESTONE	10.0	58.0	
412.0	MODESTO		BLACK SHALE	4.5	68.0	
407.5	MODESTO		UNCLASSIFIED	73.5	72.5	
334.0	MODESTO	CHAPEL	DARK SHALE	1.0	146.0	UNCERTAIN CORRELATION
333.0	MODESTO		UNCLASSIFIED	5.0	147.0	
328.0	MODESTO		LIMESTONE	2.0	152.0	
326.0	MODESTO		UNCLASSIFIED	114.0	154.0	
212.0	MODESTO	LAKE CREEK	COAL	1.5	268.0	UNCERTAIN CORRELATION
210.5	MODESTO		UNCLASSIFIED	98.5	269.5	
112.0	CARBONDALE	DANVILLE	COAL	0.0	368.0	COAL THIN OR ABSENT
112.0	CARBONDALE		UNCLASSIFIED	24.0	368.0	
88.0	CARBONDALE		LIMESTONE	2.0	392.0	
86.0	CARBONDALE		UNCLASSIFIED	14.0	394.0	
72.0	CARBONDALE	ENERGY	SANDSTONE	10.0	408.0	MAY BE ANVIL ROCK
62.0	CARBONDALE	ENERGY	SHALE	16.0	418.0	
46.0	CARBONDALE	ENERGY	SANDSTONE	3.5	434.0	
42.5	CARBONDALE	HERRIN	COAL	7.5	437.5	
35.0	CARBONDALE		UNCLASSIFIED	8.0	445.0	

MAPID: 02701428000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 7 QUARTERS/FOOTAGES: 1650' N line, 330' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.371524 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.634708 DATE COLLECTED: 7 / 0 / 1949

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
86.5	MODESTO	PIASA	LIMESTONE	4.5	376.5	
82.0	MODESTO		UNCLASSIFIED	3.0	381.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
79.0	CARBONDALE		UNCLASSIFIED	6.0	384.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
73.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	390.0	
65.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	398.0	
61.0	CARBONDALE		UNCLASSIFIED	4.0	402.0	SHALE ABOVE BRERETON LIMESTONE
57.0	CARBONDALE	BRERETON	LIMESTONE	2.5	406.0	
54.5	CARBONDALE	ANNA	BLACK SHALE	1.5	408.5	
53.0	CARBONDALE	HERRIN	COAL	8.0	410.0	

MAPID: 02701428000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 7 QUARTERS/FOOTAGES: 1650' N line, 330' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.371524 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.634708 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO		SHALE	20.0	360.0	
83.0	CARBONDALE	DANVILLE	BONE COAL	2.0	380.0	
81.0	CARBONDALE		SHALE	10.0	382.0	
71.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	392.0	
65.0	CARBONDALE	LAWSON	SHALE	9.0	398.0	
56.0	CARBONDALE	BRERETON	CALCAREOUS SHALE	2.0	407.0	
54.0	CARBONDALE	ANNA	SHALE	2.0	409.0	
52.0	CARBONDALE	HERRIN	COAL	7.0	411.0	

MAPID: 02701428000C **VERSION:** 3 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** 1650' N line, 330' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.371524 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.634708 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 1034.0 **LOG TYPE:** Electric Log
SOURCE: OBERING ERNEST A **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-19.0	CARBONDALE	SPRINGFIELD	COAL	-	482.0	
-93.0	CARBONDALE	COLCHESTER	COAL	-	556.0	
-571.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1034.0	

MAPID: 02702713000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW NE
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.354562 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.632959 **DATE COLLECTED:** 2 / 0 / 1953
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 421.0 **LOG TYPE:** Electric Log
SOURCE: HADALLER THEODORE **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	HERRIN	COAL	6.0	415.0	

MAPID: 02701415000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 8 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SW
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.343447 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.631175 **DATE COLLECTED:** 7 / 0 / 1954
SURFACE ELEVATION (FT.): 441.0 **LOGGED (FT.):** 417.5 **LOG TYPE:** Electric Log
SOURCE: MAZZARINO, M. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.0	MODESTO	PIASA	LIMESTONE	3.5	373.0	
64.5	MODESTO		UNCLASSIFIED	4.0	376.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
60.5	CARBONDALE		UNCLASSIFIED	12.0	380.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
48.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	392.5	
40.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	400.5	
36.5	CARBONDALE		UNCLASSIFIED	4.0	404.5	SHALE ABOVE BRERETON LIMESTONE
32.5	CARBONDALE	ANNA	BLACK SHALE	2.5	408.5	
30.0	CARBONDALE	HERRIN	COAL	6.5	411.0	

MAPID: 02701429000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 8 QUARTERS/FOOTAGES: NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.330508 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.637554 DATE COLLECTED: 4 / 0 / 1954

SURFACE ELEVATION (FT.): 424.0 LOGGED (FT.): 403.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.5	MODESTO	PIASA	LIMESTONE	3.5	357.5	
63.0	MODESTO		UNCLASSIFIED	4.5	361.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
58.5	CARBONDALE	DANVILLE	COAL	2.0	365.5	
56.5	CARBONDALE		UNCLASSIFIED	12.0	367.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
44.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	379.5	
36.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	387.5	
32.0	CARBONDALE		UNCLASSIFIED	3.0	392.0	SHALE ABOVE BRERETON LIMESTONE
29.0	CARBONDALE	ANNA	BLACK SHALE	2.0	395.0	
27.0	CARBONDALE	HERRIN	COAL	6.0	397.0	

MAPID: 02701429000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 8 QUARTERS/FOOTAGES: NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.330508 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.637554 DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 407.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	MODESTO	PIASA	LIMESTONE	5.0	359.0	
64.0	MODESTO		SHALE	14.0	364.0	
50.0	CARBONDALE	DANVILLE	COAL	2.0	378.0	
48.0	CARBONDALE		SHALE	4.0	380.0	
44.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	384.0	
38.0	CARBONDALE	LAWSON	SHALE	12.0	390.0	
26.0	CARBONDALE	HERRIN	COAL	5.0	402.0	

MAPID: 02701739000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 8 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SE
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.331744 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.631197 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 426.0 **LOGGED (FT.):** 1021.0 **LOG TYPE:** Electric Log
SOURCE: DUNNILL, JOHN F. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-41.0	CARBONDALE	SPRINGFIELD	COAL	-	467.0	
-169.0	CARBONDALE	COLCHESTER	COAL	-	595.0	
-595.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1021.0	

MAPID: 02701739000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 8 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SE
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.331744 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.631197 **DATE COLLECTED:** 0 / 0 / 1950
SURFACE ELEVATION (FT.): 426.0 **LOGGED (FT.):** 442.0 **LOG TYPE:** Electric Log
SOURCE: DUNNILL, JOHN F. OIL CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
6.5	MODESTO	PIASA	LIMESTONE	5.0	419.5	
1.5	MODESTO		UNCLASSIFIED	3.0	424.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
-1.5	CARBONDALE	DANVILLE	COAL	1.5	427.5	
-3.0	CARBONDALE		UNCLASSIFIED	3.5	429.0	SHALE ABOVE BRERETON LIMESTONE
-6.5	CARBONDALE	BRERETON	LIMESTONE	1.5	432.5	
-8.0	CARBONDALE	ANNA	BLACK SHALE	1.0	434.0	
-9.0	CARBONDALE	HERRIN	COAL	7.0	435.0	

MAPID: 02702714000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.310675 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.631364 **DATE COLLECTED:** 11 / 0 / 1950
SURFACE ELEVATION (FT.): 428.0 **LOGGED (FT.):** 450.0 **LOG TYPE:** Electric Log
SOURCE: STEIN CHARLES K **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-17.0	CARBONDALE	HERRIN	COAL	5.0	445.0	

MAPID: 02700614000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 11 QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.289719 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.627697 DATE COLLECTED: 0 / 0 / 1935

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 465.0 LOG TYPE: Drillers Log

SOURCE: BURGESS, W. O. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-7.0	CARBONDALE	HERRIN	COAL	8.0	457.0	

MAPID: 02700614000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 11 QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.289719 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.627697 DATE COLLECTED: 0 / 0 / 1935

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 1344.0 LOG TYPE:

SOURCE: BURGESS W, WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
335.0	BOND	CARTHAGE	LIMESTONE	-	115.0	
-5.0	CARBONDALE	HERRIN	COAL	-	455.0	

MAPID: 02701084000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 11 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.273229 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.626178 DATE COLLECTED: 8 / 0 / 1948

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 477.5 LOG TYPE: Electric Log

SOURCE: FINLEY J BARRY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.5	MODESTO	PIASA	LIMESTONE	4.0	430.5	
27.5	MODESTO		UNCLASSIFIED	6.0	434.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
21.5	CARBONDALE		UNCLASSIFIED	16.0	440.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
5.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	456.5	
-0.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	462.5	
-4.0	CARBONDALE		UNCLASSIFIED	2.5	466.0	SHALE ABOVE BRERETON LIMESTONE
-6.5	CARBONDALE	ANNA	BLACK SHALE	2.5	468.5	
-9.0	CARBONDALE	HERRIN	COAL	6.5	471.0	

MAPID: 02701084000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 11 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.273229 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.626178 DATE COLLECTED:

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 477.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
32.0	MODESTO	PIASA	LIMESTONE	4.0	430.0	
28.0	MODESTO		SHALE	16.0	434.0	
12.0	CARBONDALE	DANVILLE	COAL	2.0	450.0	
10.0	CARBONDALE		SHALE	4.0	452.0	
6.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	456.0	
0.0	CARBONDALE	LAWSON	SHALE	10.0	462.0	
-10.0	CARBONDALE	HERRIN	COAL	5.0	472.0	

MAPID: 02701084000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 11 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.273229 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.626178 DATE COLLECTED: 8 / 0 / 1948

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 628.0 LOG TYPE: Electric Log

SOURCE: FINLEY J BARRY WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	MODESTO	PIASA	UNCLASSIFIED	-	428.0	
-8.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	470.0	
-34.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.0	496.0	
-100.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	562.0	
-122.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	584.0	
-166.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	628.0	

MAPID: 02701084000C VERSION: 4

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 11 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.273229 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.626178 DATE COLLECTED:

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 1180.0 LOG TYPE: Electric Log

SOURCE: FINLEY J BARRY WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-34.0	CARBONDALE	SPRINGFIELD	COAL	-	496.0	
-168.0	CARBONDALE	COLCHESTER	COAL	-	630.0	
-718.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1180.0	

MAPID: 02701606000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 12 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.25693 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.633345 DATE COLLECTED: 10 / 0 / 1957

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 474.0 LOG TYPE: Electric Log

SOURCE: MT. CARMEL DRLG. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	MODESTO	PIASA	LIMESTONE	4.0	426.0	
30.0	MODESTO		UNCLASSIFIED	6.0	430.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
24.0	CARBONDALE		UNCLASSIFIED	18.0	436.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
6.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	454.0	
-1.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	461.0	
-4.0	CARBONDALE		UNCLASSIFIED	3.0	464.0	SHALE ABOVE BRERETON LIMESTONE
-7.0	CARBONDALE	BRERETON	LIMESTONE	2.0	467.0	
-9.0	CARBONDALE	ANNA	BLACK SHALE	1.0	469.0	
-10.0	CARBONDALE	HERRIN	COAL	4.0	470.0	

MAPID: 02701606000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 12 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.25693 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.633345 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 474.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	MODESTO	PIASA	SANDSTONE	4.0	426.0	
30.0	MODESTO		SHALE	17.0	430.0	
13.0	CARBONDALE	DANVILLE	COAL	1.0	447.0	
12.0	CARBONDALE		SHALE	6.0	448.0	
6.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	454.0	
0.0	CARBONDALE	LAWSON	SHALE	10.0	460.0	
-10.0	CARBONDALE	HERRIN	COAL	4.0	470.0	

MAPID: 02724350000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 12 QUARTERS/FOOTAGES: SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.255868 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.626999 DATE COLLECTED: 5 / 22 / 1974

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 494.8 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 15636C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
340.6			LIMESTONE	10.3	120.4	
132.7	MODESTO	CHAPEL	COAL	0.7	328.3	
-18.2	CARBONDALE	HERRIN	COAL	5.4	479.2	

MAPID: 02725935000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.263889 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.635253 DATE COLLECTED:

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 2824.0 LOG TYPE: Electric Log

SOURCE: AMERICAN LAND & EXPLORATION, INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-45.0	CARBONDALE	SPRINGFIELD	COAL	-	520.0	
-174.0	CARBONDALE	COLCHESTER	COAL	-	649.0	
-660.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1135.0	
-2285.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2760.0	TOP OF NEW ALBANY
-2307.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2782.0	
-2349.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2824.0	BASE OF NEW ALBANY

MAPID: 02701541000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.266409 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.615121 DATE COLLECTED: 5 / 0 / 1957

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 456.0 LOG TYPE: Electric Log

SOURCE: KROHN, WM. H. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	MODESTO	PIASA	LIMESTONE	3.0	415.0	
38.0	MODESTO		UNCLASSIFIED	5.0	418.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
33.0	CARBONDALE		UNCLASSIFIED	11.0	423.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
22.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	434.0	
15.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	441.0	
11.5	CARBONDALE		UNCLASSIFIED	3.5	444.5	SHALE ABOVE BRERETON LIMESTONE
8.0	CARBONDALE	BRERETON	LIMESTONE	1.0	448.0	
7.0	CARBONDALE	ANNA	BLACK SHALE	2.0	449.0	
5.0	CARBONDALE	HERRIN	COAL	5.0	451.0	

MAPID: 02704073000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 13 QUARTERS/FOOTAGES: 1650' N line, 0' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.272127 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.620734 DATE COLLECTED: 7 / 16 / 1971
 SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 489.8 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12614C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
126.0			COAL	-	324.0
-7.8	SHELBURN	DANVILLE	COAL	2.3	457.8
-30.9			COAL	0.1	480.9
-32.6	CARBONDALE	HERRIN	COAL	5.0	482.6

MAPID: 02704073000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 13 QUARTERS/FOOTAGES: 1650' N line, 0' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.272127 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.620734 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 488.0 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12614C WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
3.8	MODESTO	PIASA	LIMESTONE	1.1	446.2
2.7	MODESTO		GRAY SHALE	10.9	447.3
-8.2	CARBONDALE	DANVILLE	COAL	2.3	458.2
-10.5	CARBONDALE		CLAYSTONE	2.1	460.5
-12.6	CARBONDALE		GRAY SHALE	2.6	462.6
-15.2	CARBONDALE	BANKSTON FORK	LIMESTONE	6.1	465.2
-21.3	CARBONDALE	LAWSON	SILTY SHALE	5.1	471.3
-26.4	CARBONDALE	LAWSON	DARK GRAY SHALE	4.0	476.4
-30.4	CARBONDALE	CONANT	LIMESTONE AND SANDSTONE	0.9	480.4
-31.3	CARBONDALE	JAMESTOWN	COAL	0.1	481.3
-31.4	CARBONDALE	ANNA	SILTY SHALE	1.6	481.4
-33.0	CARBONDALE	HERRIN	COAL	5.0	483.0

MAPID: 02701882000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.289748 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.616789 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 2806.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-65.0	CARBONDALE	SPRINGFIELD	COAL	-	528.0	
-183.0	CARBONDALE	COLCHESTER	COAL	-	646.0	
-716.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1179.0	
-2276.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2739.0	TOP OF NEW ALBANY
-2296.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2759.0	
-2343.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2806.0	BASE OF NEW ALBANY

MAPID: 02701882000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.289748 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.616789 DATE COLLECTED: 9 / 0 / 1961

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 508.0 LOG TYPE: Electric Log

SOURCE: PATTILO, ODIS S. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
3.5	MODESTO	PIASA	LIMESTONE	4.5	459.5	
-1.0	MODESTO		UNCLASSIFIED	7.5	464.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-8.5	CARBONDALE		UNCLASSIFIED	12.5	471.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-21.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	484.0	
-29.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	492.0	
-33.0	CARBONDALE		UNCLASSIFIED	3.5	496.0	SHALE ABOVE BRERETON LIMESTONE
-36.5	CARBONDALE	BRERETON	LIMESTONE	3.0	499.5	
-39.5	CARBONDALE	ANNA	BLACK SHALE	1.5	502.5	
-41.0	CARBONDALE	HERRIN	COAL	4.0	504.0	

MAPID: 02701089000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 2N 2W

SECTION: 15

QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: CARLYLE

LONGITUDE: -89.301424

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.616727

DATE COLLECTED: 3 / 0 / 1955

SURFACE ELEVATION (FT.): 486.0

LOGGED (FT.): 555.0

LOG TYPE: Electric Log

SOURCE: HOPKINS, DALE

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-20.0	MODESTO	PIASA	LIMESTONE	6.0	506.0	
-26.0	MODESTO		UNCLASSIFIED	6.0	512.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-32.0	CARBONDALE		UNCLASSIFIED	14.0	518.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-46.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	532.0	
-54.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	540.5	
-57.5	CARBONDALE		UNCLASSIFIED	3.0	543.5	SHALE ABOVE BRERETON LIMESTONE
-60.5	CARBONDALE	BRERETON	LIMESTONE	1.5	546.5	
-62.0	CARBONDALE	ANNA	BLACK SHALE	1.0	548.0	
-63.0	CARBONDALE	HERRIN	COAL	6.0	549.0	

MAPID: 02701089000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON

TWP/RNG: 2N 2W

SECTION: 15

QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: CARLYLE

LONGITUDE: -89.301424

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.616727

DATE COLLECTED:

SURFACE ELEVATION (FT.): 485.0

LOGGED (FT.): 553.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-19.0	MODESTO	PIASA	LIMESTONE	6.0	504.0	
-25.0	MODESTO		SHALE	14.0	510.0	
-39.0	CARBONDALE	DANVILLE	COAL	2.0	524.0	
-41.0	CARBONDALE		SHALE	4.0	526.0	
-45.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	530.0	
-51.0	CARBONDALE	LAWSON	SHALE	11.0	536.0	
-62.0	CARBONDALE	HERRIN	COAL	6.0	547.0	

MAPID: 02701089000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 15 QUARTERS/FOOTAGES: NE NE SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.301424 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.616727 DATE COLLECTED: 3 / 0 / 1955
 SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 686.0 LOG TYPE: Electric Log
 SOURCE: HOPKINS, DALE WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
310.0	BOND	CARTHAGE	UNCLASSIFIED	-	176.0	
-17.0	MODESTO	PIASA	UNCLASSIFIED	-	503.0	
-38.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	524.0	
-61.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	547.0	
-87.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	6.0	573.0	
-137.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	623.0	
-158.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	644.0	
-200.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	686.0	

MAPID: 02701414000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.327203 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.611211 DATE COLLECTED: 6 / 0 / 1950
 SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 493.0 LOG TYPE: Electric Log
 SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
2.0	MODESTO	PIASA	LIMESTONE	5.0	446.0	
-3.0	MODESTO		UNCLASSIFIED	4.0	451.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-7.0	CARBONDALE	DANVILLE	COAL	2.0	455.0	
-9.0	CARBONDALE		UNCLASSIFIED	9.0	457.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-18.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	466.0	
-26.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	474.0	
-30.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	478.0	
-32.0	CARBONDALE		UNCLASSIFIED	4.0	480.0	SHALE ABOVE BRERETON LIMESTONE
-36.0	CARBONDALE	BRERETON	LIMESTONE	2.5	484.0	
-38.5	CARBONDALE	ANNA	BLACK SHALE	1.5	486.5	
-40.0	CARBONDALE	HERRIN	COAL	5.0	488.0	

MAPID: 02701424000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 16 **QUARTERS/FOOTAGES:** 600' S line, 662' E line of NE SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.311931 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.615593 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 432.0 **LOGGED (FT.):** 1129.0 **LOG TYPE:** Electric Log
SOURCE: STEIN CHARLES K **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-112.0	CARBONDALE	SPRINGFIELD	COAL	-	544.0
-210.0	CARBONDALE	COLCHESTER	COAL	-	642.0
-697.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1129.0

MAPID: 02700615000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 17 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.345929 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.613007 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 415.0 **LOG TYPE:** Drillers Log
SOURCE: PETRO SERVICE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
27.0	CARBONDALE	HERRIN	COAL	6.0	409.0

MAPID: 02701413000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 18 **QUARTERS/FOOTAGES:** 972' N line, 1845' W line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.366465 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.621972 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 1021.0 **LOG TYPE:** Electric Log
SOURCE: SCHIERMANN, AL **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-22.0	CARBONDALE	SPRINGFIELD	COAL	-	465.0
-95.0	CARBONDALE	COLCHESTER	COAL	-	538.0
-578.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1021.0

MAPID: 02701413000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 18 QUARTERS/FOOTAGES: 972' N line, 1845' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.366465 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.621972 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 422.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
74.0	MODESTO	PIASA	LIMESTONE	4.0	369.0	
70.0	MODESTO		UNCLASSIFIED	6.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
64.0	CARBONDALE		UNCLASSIFIED	15.0	379.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
49.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	394.0	
40.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	403.0	
37.0	CARBONDALE		UNCLASSIFIED	3.0	406.0	SHALE ABOVE BRERETON LIMESTONE
34.0	CARBONDALE	BRERETON	LIMESTONE	3.0	409.0	
31.0	CARBONDALE	ANNA	BLACK SHALE	3.0	412.0	
28.0	CARBONDALE	HERRIN	COAL	7.0	415.0	

MAPID: 02700167000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 2400' N line, 450' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.371369 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.603574 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 422.2 LOGGED (FT.): 935.0 LOG TYPE:

SOURCE: SCHLAFLY, WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
17.2	CARBONDALE	HERRIN	COAL	-	405.0	

MAPID: 02700167000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 2400' N line, 450' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.371369 GEOLOGIST: TREWORGY,J
 CONFIDENTIAL: N LATITUDE: 38.603574 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 935.0 LOG TYPE: Drillers Log
 SOURCE: SCHLAFFLEY BROS. WELL TYPE: Oil and Gas Test
 COMMENT: QUESTIONABLE THICKNESS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
422.0			UNCONSOLIDATED	30.0	0.0	
392.0			ROCK	348.0	30.0	
44.0	CARBONDALE	DANVILLE	COAL	2.0	378.0	
42.0			LIMESTONE	8.0	380.0	
34.0			SHALE	17.0	388.0	
17.0	CARBONDALE	HERRIN	COAL	5.0	405.0	
12.0			ROCK	525.0	410.0	

MAPID: 02700167000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 2400' N line, 450' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.371369 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.603574 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 410.0 LOG TYPE: Drillers Log
 SOURCE: NO COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	MODESTO	PIASA	LIMESTONE	10.0	353.0	
59.0	MODESTO		UNCLASSIFIED	5.0	363.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
54.0	CARBONDALE		UNCLASSIFIED	12.0	368.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
42.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	380.0	
34.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	388.0	
29.0	CARBONDALE		UNCLASSIFIED	5.0	393.0	SHALE ABOVE BRERETON LIMESTONE
24.0	CARBONDALE	BRERETON	LIMESTONE	3.0	398.0	
21.0	CARBONDALE	ANNA	BLACK SHALE	4.0	401.0	
17.0	CARBONDALE	HERRIN	COAL	5.0	405.0	

MAPID: 02701299000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.371664 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.596234 DATE COLLECTED:

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 2598.0 LOG TYPE: Electric Log

SOURCE: PERRINE & PERRINE WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-7.0	CARBONDALE	SPRINGFIELD	COAL	-	438.0	
-109.0	CARBONDALE	COLCHESTER	COAL	-	540.0	
-574.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1005.0	
-2111.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2542.0	TOP OF NEW ALBANY
-2137.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2568.0	
-2167.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2598.0	BASE OF NEW ALBANY

MAPID: 02701299000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.371664 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.596234 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 410.0 LOG TYPE: Electric Log

SOURCE: PERRINE & PERRINE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.5	MODESTO	PIASA	LIMESTONE	4.5	370.5	
56.0	MODESTO		UNCLASSIFIED	3.5	375.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
52.5	CARBONDALE		UNCLASSIFIED	8.5	378.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
44.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	387.0	
36.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	394.5	
33.0	CARBONDALE		UNCLASSIFIED	3.5	398.0	SHALE ABOVE BRERETON LIMESTONE
29.5	CARBONDALE	BRERETON	LIMESTONE	2.0	401.5	
27.5	CARBONDALE	ANNA	BLACK SHALE	0.5	403.5	
27.0	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02701604000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 990' S line, 1650' E line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.365817 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.598129 DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 427.0 LOGGED (FT.): 389.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
81.0	MODESTO	PIASA	LIMESTONE	5.0	346.0	
76.0	MODESTO		UNCLASSIFIED	5.0	351.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
71.0	CARBONDALE		UNCLASSIFIED	10.0	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
61.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	366.0	
52.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	375.0	
49.0	CARBONDALE		UNCLASSIFIED	3.0	378.0	SHALE ABOVE BRERETON LIMESTONE
46.0	CARBONDALE	ANNA	BLACK SHALE	2.0	381.0	
44.0	CARBONDALE	HERRIN	COAL	6.0	383.0	

MAPID: 02701994000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 1670' N line, 2630' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.363738 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.605617 DATE COLLECTED: 7 / 0 / 1963

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 396.5 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
75.5	MODESTO	PIASA	LIMESTONE	4.0	352.5	
71.5	MODESTO		UNCLASSIFIED	5.5	356.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.0	CARBONDALE		UNCLASSIFIED	11.0	362.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
55.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	373.0	
48.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	380.0	
44.5	CARBONDALE		UNCLASSIFIED	3.0	383.5	SHALE ABOVE BRERETON LIMESTONE
41.5	CARBONDALE	BRERETON	LIMESTONE	2.0	386.5	
39.5	CARBONDALE	ANNA	BLACK SHALE	1.5	388.5	
38.0	CARBONDALE	HERRIN	COAL	6.5	390.0	

MAPID: 02701994000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 1670' N line, 2630' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.363738 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.605617 DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
74.0	MODESTO	PIASA	LIMESTONE	4.0	354.0	
70.0	MODESTO		SHALE	10.0	358.0	
60.0	CARBONDALE	DANVILLE	COAL	1.0	368.0	
59.0	CARBONDALE		SHALE	3.0	369.0	
56.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	372.0	
49.0	CARBONDALE	LAWSON	SHALE	11.0	379.0	
38.0	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02701995000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.358855 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.598262 DATE COLLECTED: 7 / 0 / 1963

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 401.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	MODESTO	PIASA	LIMESTONE	3.0	360.0	
60.0	MODESTO		UNCLASSIFIED	6.5	363.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
53.5	CARBONDALE		UNCLASSIFIED	8.5	369.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
45.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	378.0	
37.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	386.0	
33.5	CARBONDALE		UNCLASSIFIED	3.5	389.5	SHALE ABOVE BRERETON LIMESTONE
30.0	CARBONDALE	BRERETON	LIMESTONE	1.5	393.0	
28.5	CARBONDALE	ANNA	BLACK SHALE	1.5	394.5	
27.0	CARBONDALE	HERRIN	COAL	5.0	396.0	

MAPID: 02702719000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.348299 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.605705 DATE COLLECTED: 7 / 0 / 1953

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log

SOURCE: JAHN, E. HOMER WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.5	MODESTO	PIASA	LIMESTONE	6.0	374.5	
40.5	MODESTO		UNCLASSIFIED	4.0	380.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
36.5	CARBONDALE		UNCLASSIFIED	9.5	384.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
27.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	394.0	
18.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	402.5	
16.0	CARBONDALE		UNCLASSIFIED	2.5	405.0	SHALE ABOVE BRERETON LIMESTONE
13.5	CARBONDALE	BRERETON	LIMESTONE	3.5	407.5	
10.0	CARBONDALE	ANNA	BLACK SHALE	1.0	411.0	
9.0	CARBONDALE	HERRIN	COAL	8.0	412.0	

MAPID: 02703410000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 1540' S line, 330' W line of NE

QUADRANGLE: CARLYLE LONGITUDE: -89.358911 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.607116 DATE COLLECTED: 12 / 0 / 1967

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 534.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	377.0	
29.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	404.0	
3.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.0	430.0	
-41.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	474.0	
-101.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	534.0	

MAPID: 02703410000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 19 QUARTERS/FOOTAGES: 1540' S line, 330' W line of NE

QUADRANGLE: CARLYLE LONGITUDE: -89.358911 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.607116 DATE COLLECTED: 12 / 0 / 1967

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 410.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.0	MODESTO	PIASA	LIMESTONE	4.0	365.0	
64.0	MODESTO		UNCLASSIFIED	3.5	369.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
60.5	CARBONDALE		UNCLASSIFIED	13.5	372.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
47.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	386.0	
39.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	394.0	
34.0	CARBONDALE		UNCLASSIFIED	3.0	399.0	SHALE ABOVE BRERETON LIMESTONE
31.0	CARBONDALE	ANNA	BLACK SHALE	2.0	402.0	
29.0	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02701548000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 660' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.330887 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.596612 DATE COLLECTED: 6 / 0 / 1957

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	MODESTO	PIASA	LIMESTONE	3.0	406.0	
38.0	MODESTO		UNCLASSIFIED	5.0	409.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
33.0	CARBONDALE		UNCLASSIFIED	14.0	414.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
19.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	428.0	
11.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	436.0	
7.0	CARBONDALE		UNCLASSIFIED	3.0	440.0	SHALE ABOVE BRERETON LIMESTONE
4.0	CARBONDALE	BRERETON	LIMESTONE	1.0	443.0	
3.0	CARBONDALE	ANNA	BLACK SHALE	1.0	444.0	
2.0	CARBONDALE	HERRIN	COAL	5.0	445.0	

MAPID: 02704088000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 20 QUARTERS/FOOTAGES: 990' S line, 1650' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.341367 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.598388 DATE COLLECTED: 3 / 25 / 1971
 SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 488.2 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12605C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
51.1	SHELburn	DANVILLE	COAL	2.1	448.9
21.0	CARBONDALE	HERRIN	COAL	5.7	479.0

MAPID: 02704088000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 20 QUARTERS/FOOTAGES: 990' S line, 1650' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.341367 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.598388 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 484.7 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12605C WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
71.1	MODESTO		GRAY SHALE	20.0	428.9
51.1	CARBONDALE	DANVILLE	COAL	2.1	448.9
49.0	CARBONDALE		GRAY SHALE	5.8	451.0
43.2	CARBONDALE	BANKSTON FORK	LIMESTONE	8.5	456.8
34.7	CARBONDALE	LAWSON	GRAY SHALE	9.2	465.3
25.5	CARBONDALE	LAWSON	CALCAREOUS SHALE	0.4	474.5
25.1	CARBONDALE	LAWSON	DARK GRAY SHALE	1.1	474.9
24.0	CARBONDALE	LAWSON	CALCAREOUS SHALE	0.3	476.0
23.7	CARBONDALE	LAWSON	SILTY SHALE	1.1	476.3
22.6	CARBONDALE	BRERETON	LIMESTONE AND SANDSTONE	1.6	477.4
21.0	CARBONDALE	HERRIN	COAL	5.7	479.0

MAPID: 02724417000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.32268 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.596663 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 2733.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-51.0	CARBONDALE	SPRINGFIELD	COAL	-	509.0	
-151.0	CARBONDALE	COLCHESTER	COAL	-	609.0	
-682.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1140.0	
-2219.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2677.0	TOP OF NEW ALBANY
-2236.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2694.0	
-2275.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2733.0	BASE OF NEW ALBANY

MAPID: 02700329000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 23 QUARTERS/FOOTAGES: NE NE NE
 QUADRANGLE: CARLYLE LONGITUDE: -89.273422 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.609628 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 1528.0 LOG TYPE:
 SOURCE: HASMAN ETL, NOTHAUS 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.0	CARBONDALE	HERRIN	COAL	-	436.0	CORRELATION UNCERTAIN

MAPID: 02701533000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 23 QUARTERS/FOOTAGES: 990' N line, 990' W line of SE
 QUADRANGLE: CARLYLE LONGITUDE: -89.278169 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.600463 DATE COLLECTED: 3 / 0 / 1957
 SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 481.0 LOG TYPE: Electric Log
 SOURCE: JET OIL CO. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	CARBONDALE	HERRIN	COAL	5.0	476.0	

MAPID: 02701600000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 23 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.282763 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.607746 DATE COLLECTED: 11 / 0 / 1957

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 484.5 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
14.0	MODESTO	PIASA	LIMESTONE	5.0	436.0	
9.0	MODESTO		UNCLASSIFIED	5.0	441.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
4.0	CARBONDALE		UNCLASSIFIED	13.5	446.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-9.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	459.5	
-16.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	466.5	
-19.5	CARBONDALE		UNCLASSIFIED	2.5	469.5	SHALE ABOVE BRERETON LIMESTONE
-22.0	CARBONDALE	BRERETON	LIMESTONE	2.5	472.0	
-24.5	CARBONDALE	ANNA	BLACK SHALE	1.5	474.5	
-26.0	CARBONDALE	HERRIN	COAL	8.5	476.0	

MAPID: 02701600000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 23 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.282763 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.607746 DATE COLLECTED:

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 487.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
15.0	MODESTO	PIASA	LIMESTONE	4.0	437.0	
11.0	MODESTO		SHALE	14.0	441.0	
-3.0	CARBONDALE	DANVILLE	COAL	2.0	455.0	
-5.0	CARBONDALE		SHALE	6.0	457.0	
-11.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	463.0	
-16.0	CARBONDALE	LAWSON	SHALE	12.0	468.0	
-28.0	CARBONDALE	HERRIN	COAL	7.0	480.0	

MAPID: 02701600000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 23 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.282763 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.607746 DATE COLLECTED: 11 / 0 / 1957

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 970.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
15.0	MODESTO	PIASA	UNCLASSIFIED	-	435.0	
-28.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	478.0	
-55.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.0	505.0	
-124.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	574.0	
-142.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	592.0	
-185.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	635.0	
-520.0	BASE OF PENN.		UNCLASSIFIED	-	970.0	

MAPID: 02701600000C VERSION: 4

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 23 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.282763 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.607746 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 2800.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-55.0	CARBONDALE	SPRINGFIELD	COAL	-	505.0	
-185.0	CARBONDALE	COLCHESTER	COAL	-	635.0	
-707.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1157.0	
-2282.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2732.0	TOP OF NEW ALBANY
-2302.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2752.0	
-2350.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2800.0	BASE OF NEW ALBANY

MAPID: 02701076000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.259592 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.604119 DATE COLLECTED: 6 / 0 / 1948

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: TALBOT J A & C W WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	MODESTO	PIASA	LIMESTONE	5.0	396.0	
54.0	MODESTO		UNCLASSIFIED	5.5	401.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
48.5	CARBONDALE		UNCLASSIFIED	16.5	406.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
32.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	423.0	
26.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	429.0	
23.0	CARBONDALE		UNCLASSIFIED	2.5	432.0	SHALE ABOVE BRERETON LIMESTONE
20.5	CARBONDALE	BRERETON	LIMESTONE	1.0	434.5	
19.5	CARBONDALE	ANNA	BLACK SHALE	1.5	435.5	
18.0	CARBONDALE	HERRIN	COAL	6.0	437.0	

MAPID: 02701233000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 24 QUARTERS/FOOTAGES: 1620' S line, 390' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.270905 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.600346 DATE COLLECTED: 5 / 0 / 1956

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 465.5 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.5	MODESTO	PIASA	LIMESTONE	4.5	415.5	
26.0	MODESTO		UNCLASSIFIED	7.0	420.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
19.0	CARBONDALE		UNCLASSIFIED	15.0	427.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
4.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	442.0	
-3.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	449.0	
-7.0	CARBONDALE		UNCLASSIFIED	4.0	453.0	SHALE ABOVE BRERETON LIMESTONE
-11.0	CARBONDALE	ANNA	BLACK SHALE	2.0	457.0	
-13.0	CARBONDALE	HERRIN	COAL	6.5	459.0	

MAPID: 02701412000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 24 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.259538 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.609588 DATE COLLECTED: 7 / 0 / 1952

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 462.5 LOG TYPE: Electric Log

SOURCE: COLLINS BROTHERS OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	MODESTO	PIASA	LIMESTONE	5.0	415.0	
37.0	MODESTO		UNCLASSIFIED	6.0	420.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
31.0	CARBONDALE		UNCLASSIFIED	16.0	426.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
15.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	442.0	
9.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	448.0	
6.0	CARBONDALE		UNCLASSIFIED	2.5	451.0	SHALE ABOVE BRERETON LIMESTONE
3.5	CARBONDALE	BRERETON	LIMESTONE	3.5	453.5	
0.0	CARBONDALE	ANNA	BLACK SHALE	1.0	457.0	
-1.0	CARBONDALE	HERRIN	COAL	4.5	458.0	

MAPID: 02701412000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 24 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.259538 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.609588 DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 466.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	MODESTO	PIASA	LIMESTONE	5.0	419.0	
33.0	MODESTO		SHALE	15.0	424.0	
18.0	CARBONDALE	DANVILLE	COAL	2.0	439.0	
16.0	CARBONDALE		SHALE	7.0	441.0	
9.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	448.0	
6.0	CARBONDALE	LAWSON	SHALE	6.0	451.0	
0.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	457.0	
-3.0	CARBONDALE	ANNA	SHALE	2.0	460.0	
-5.0	CARBONDALE	HERRIN	COAL	4.0	462.0	

MAPID: 02725761000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 24 **QUARTERS/FOOTAGES:** 990' S line, 330' E line of SW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.259639 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.59865 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 2843.0 **LOG TYPE:** Electric Log
SOURCE: SCHOFIELD, JOHN OIL CO. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-717.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1170.0	
-2322.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2775.0	TOP OF NEW ALBANY
-2340.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2793.0	
-2390.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2843.0	BASE OF NEW ALBANY

MAPID: 02700168000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.282986 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.587692 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 437.2 **LOGGED (FT.):** 1542.0 **LOG TYPE:**
SOURCE: LESCHEN OG, JOHNSN M B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.8	CARBONDALE	HERRIN	COAL	-	510.0	CORRELATION UNCERTAIN

MAPID: 02704103000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 26 **QUARTERS/FOOTAGES:** 0' S line, 1320' E line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.27728 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.581318 **DATE COLLECTED:** 8 / 12 / 1971
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 501.3 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 12617C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.4	SHELBURN	DANVILLE	COAL	2.7	467.4	
-54.0	CARBONDALE	HERRIN	COAL	5.1	494.0	

MAPID: 02704103000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 26 QUARTERS/FOOTAGES: 0' S line, 1320' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.27728 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.581318 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 499.1 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12617C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-6.4	MODESTO	PIASA	LIMESTONE	4.0	446.4
-10.4	MODESTO		GRAY SHALE	17.0	450.4
-27.4	CARBONDALE	DANVILLE	COAL	2.7	467.4
-30.1	CARBONDALE		CLAYSTONE	1.2	470.1
-31.3	CARBONDALE		GRAY SHALE	3.3	471.3
-34.6	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	6.8	474.6
-41.4	CARBONDALE	LAWSON	SILTY SHALE	3.0	481.4
-44.4	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	9.6	484.4
-54.0	CARBONDALE	HERRIN	COAL	5.1	494.0

MAPID: 02724387000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 26 QUARTERS/FOOTAGES: 330' S line, 0' line of NW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.28875 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.594069 DATE COLLECTED: 7 / 1 / 1974

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 509.6 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 15639C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
314.9			LIMESTONE	10.7	133.1
102.6	MODESTO	CHAPEL	COAL	1.2	345.4
-3.9	SHELBURN	PIASA	LIMESTONE	4.2	451.9
-23.4	SHELBURN	DANVILLE	COAL	2.8	471.4
-47.0	CARBONDALE	HERRIN	COAL	5.3	495.0

MAPID: 02724388000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 26 QUARTERS/FOOTAGES: SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.279436 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.590419 DATE COLLECTED: 7 / 12 / 1974

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 504.2 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 15640C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
321.0			LIMESTONE	10.7	122.0	
233.1	MODESTO	MACOUPIN	LIMESTONE	0.4	209.9	
103.7	MODESTO	CHAPEL	COAL	1.4	339.3	
-6.0	SHELBURN	PIASA	LIMESTONE	6.5	449.0	
-25.5	SHELBURN	DANVILLE	COAL	2.3	468.5	
-45.9	CARBONDALE	BRERETON	LIMESTONE	2.6	488.9	
-48.5	CARBONDALE	HERRIN	COAL	5.4	491.5	

MAPID: 02700798000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 27 QUARTERS/FOOTAGES: 2327' N line, 2477' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.291718 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.589475 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 2992.0 LOG TYPE:

SOURCE: GERSON A W, HODAPP WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
310.0	BOND	CARTHAGE	LIMESTONE	-	138.0	
-62.0	CARBONDALE	HERRIN	COAL	-	510.0	

MAPID: 02700798000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 27 QUARTERS/FOOTAGES: 2327' N line, 2477' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.291718 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.589475 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 512.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-10.0	MODESTO	PIASA	LIMESTONE	5.0	458.0	
-15.0	MODESTO		SHALE	14.0	463.0	
-29.0	CARBONDALE	DANVILLE	COAL	4.0	477.0	
-33.0	CARBONDALE		SHALE	7.0	481.0	
-40.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	488.0	
-47.0	CARBONDALE	LAWSON	SHALE	11.0	495.0	
-58.0	CARBONDALE	HERRIN	COAL	6.0	506.0	

MAPID: 02700798000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 27 QUARTERS/FOOTAGES: 2327' N line, 2477' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.291718 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.589475 DATE COLLECTED: 8 / 0 / 1940

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 516.5 LOG TYPE: Electric Log

SOURCE: GERSON A W WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-18.0	MODESTO	PIASA	LIMESTONE	5.0	466.0	
-23.0	MODESTO		UNCLASSIFIED	5.0	471.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-28.0	CARBONDALE		UNCLASSIFIED	17.0	476.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-45.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	493.0	
-54.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	502.0	
-57.0	CARBONDALE		UNCLASSIFIED	2.5	505.0	SHALE ABOVE BRERETON LIMESTONE
-59.5	CARBONDALE	ANNA	BLACK SHALE	2.5	507.5	
-62.0	CARBONDALE	HERRIN	COAL	6.5	510.0	

MAPID: 02700798000C VERSION: 4

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 27 QUARTERS/FOOTAGES: 2327' N line, 2477' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.291718 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.589475 DATE COLLECTED: 8 / 0 / 1940

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 670.0 LOG TYPE: Electric Log

SOURCE: GERSON A W WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-17.0	MODESTO	PIASA	UNCLASSIFIED	-	465.0	
-56.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	504.0	
-88.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.0	536.0	
-164.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	612.0	
-222.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	670.0	

MAPID: 02700798000C VERSION: 5

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 27 QUARTERS/FOOTAGES: 2327' N line, 2477' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.291718 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.589475 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 2840.0 LOG TYPE: Electric Log

SOURCE: GERSON A W WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-112.0	CARBONDALE	SPRINGFIELD	COAL	-	560.0	
-220.0	CARBONDALE	COLCHESTER	COAL	-	668.0	
-771.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1219.0	
-2330.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2778.0	TOP OF NEW ALBANY
-2348.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2796.0	
-2392.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2840.0	BASE OF NEW ALBANY

MAPID: 02724389000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 27 QUARTERS/FOOTAGES: 0' N line, 1980' W line of NE NW
 QUADRANGLE: CARLYLE LONGITUDE: -89.29806 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.595872 DATE COLLECTED: 8 / 16 / 1974
 SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 548.6 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 15642C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
301.8			LIMESTONE	1.1	164.2
80.9	MODESTO	CHAPEL	COAL	1.2	385.1
62.4	MODESTO	SCOTTVILLE	LIMESTONE	4.8	403.6
-30.1	SHELBURN	PIASA	LIMESTONE	2.6	496.1
-49.4	SHELBURN	DANVILLE	COAL	1.9	515.4
-70.7	CARBONDALE	HERRIN	COAL	5.6	536.7

MAPID: 02704089000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 28 QUARTERS/FOOTAGES: 2640' N line, 2640' W line
 QUADRANGLE: CARLYLE LONGITUDE: -89.31913 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.588489 DATE COLLECTED: 3 / 16 / 1971
 SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 485.8 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 12604C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
119.9			COAL WITH SHALE	1.1	320.1
-37.2	CARBONDALE	HERRIN	COAL	5.8	477.2

MAPID: 02704089000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 28 QUARTERS/FOOTAGES: 2640' N line, 2640' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.31913 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.588489 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 482.8 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12604C WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
17.0	CARBONDALE		GRAY SHALE	29.9	423.0	
-12.9	CARBONDALE	GALUM	LIMESTONE	0.4	452.9	
-13.3	CARBONDALE		GRAY SHALE	8.4	453.3	
-21.7	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.9	461.7	
-26.6	CARBONDALE	LAWSON	SILTY SHALE	9.2	466.6	
-35.8	CARBONDALE	BRERETON	LIMESTONE AND SANDSTONE	1.2	475.8	
-37.0	CARBONDALE	HERRIN	COAL	5.8	477.0	

MAPID: 02701033000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 29 QUARTERS/FOOTAGES: SE SW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.334158 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.581963 DATE COLLECTED: 11 / 0 / 1943

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 442.0 LOG TYPE: Electric Log

SOURCE: REA R L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
17.5	MODESTO	PIASA	LIMESTONE	5.0	402.5	
12.5	MODESTO		UNCLASSIFIED	3.0	407.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
9.5	CARBONDALE		UNCLASSIFIED	7.5	410.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
2.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	418.0	
-5.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	425.0	
-8.0	CARBONDALE		UNCLASSIFIED	3.0	428.0	SHALE ABOVE BRERETON LIMESTONE
-11.0	CARBONDALE	ANNA	BLACK SHALE	3.0	431.0	
-14.0	CARBONDALE	HERRIN	COAL	8.0	434.0	

MAPID: 02701033000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 29 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.334158 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.581963 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 1265.0 **LOG TYPE:**
SOURCE: REA R L, JANTZEN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
358.0	BOND	CARTHAGE	LIMESTONE	-	62.0	
-16.0	CARBONDALE	HERRIN	COAL	-	436.0	

MAPID: 02701033000C **VERSION:** 3 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 29 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.334158 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.581963 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 1074.0 **LOG TYPE:** Electric Log
SOURCE: REA R L **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	CARBONDALE	SPRINGFIELD	COAL	-	462.0	
-164.0	CARBONDALE	COLCHESTER	COAL	-	584.0	
-654.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1074.0	

MAPID: 02700616000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 30 **QUARTERS/FOOTAGES:** SW NE NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.36479 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.592623 **DATE COLLECTED:** 0 / 0 / 1935
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 422.0 **LOG TYPE:** Drillers Log
SOURCE: YOUNG, W. L. GAS & REF. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
35.0	CARBONDALE	HERRIN	COAL	7.0	415.0	

MAPID: 02700616000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 30 QUARTERS/FOOTAGES: SW NE NW

QUADRANGLE: CARLYLE LONGITUDE: -89.36479 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.592623 DATE COLLECTED: 0 / 0 / 1935

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 1102.0 LOG TYPE:

SOURCE: YOUNG GRC, JOHNSN M B 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
432.0	BOND	CARTHAGE	LIMESTONE	-	18.0	
35.0	CARBONDALE	HERRIN	COAL	-	415.0	CORRELATION UNCERTAIN

MAPID: 02701291000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 990' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.350669 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.594674 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 425.0 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.5	MODESTO	PIASA	LIMESTONE	3.5	384.5	
46.0	MODESTO		UNCLASSIFIED	3.0	388.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
43.0	CARBONDALE		UNCLASSIFIED	12.0	391.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
31.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	403.0	
22.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	411.5	
19.0	CARBONDALE		UNCLASSIFIED	2.5	415.0	SHALE ABOVE BRERETON LIMESTONE
16.5	CARBONDALE	ANNA	BLACK SHALE	2.5	417.5	
14.0	CARBONDALE	HERRIN	COAL	5.0	420.0	

MAPID: 02701313000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 30 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.358384 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.590854 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 425.0 LOGGED (FT.): 392.0 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.5	MODESTO	PIASA	LIMESTONE	3.5	353.5	
68.0	MODESTO		UNCLASSIFIED	4.0	357.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
64.0	CARBONDALE		UNCLASSIFIED	10.0	361.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
54.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	371.0	
47.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	378.0	
43.5	CARBONDALE		UNCLASSIFIED	3.0	381.5	SHALE ABOVE BRERETON LIMESTONE
40.5	CARBONDALE	ANNA	BLACK SHALE	2.5	384.5	
38.0	CARBONDALE	HERRIN	COAL	5.0	387.0	

MAPID: 02701313000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 30 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.358384 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.590854 DATE COLLECTED:

SURFACE ELEVATION (FT.): 425.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.0	MODESTO	PIASA	LIMESTONE	3.0	355.0	
67.0	CARBONDALE		SHALE	16.0	358.0	
51.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	374.0	
46.0	CARBONDALE	LAWSON	SHALE	9.0	379.0	
37.0	CARBONDALE	HERRIN	COAL	6.0	388.0	

MAPID: 02701410000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 30 QUARTERS/FOOTAGES: 990' S line, 330' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.371596 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.583189 DATE COLLECTED: 3 / 0 / 1955

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02701987000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 1765' E line of SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.366183 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.587054 DATE COLLECTED: 5 / 0 / 1963
 SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log
 SOURCE: JET OIL CO. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
23.0	CARBONDALE	HERRIN	COAL	7.0	423.0	

MAPID: 02702015000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 30 QUARTERS/FOOTAGES: 990' N line, 330' E line of SW
 QUADRANGLE: CARLYLE LONGITUDE: -89.361128 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.585303 DATE COLLECTED: 9 / 0 / 1963
 SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 421.0 LOG TYPE: Electric Log
 SOURCE: JET OIL CO. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.0	CARBONDALE	HERRIN	COAL	7.0	414.0	

MAPID: 02701034000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: NE SE NE
 QUADRANGLE: CARLYLE LONGITUDE: -89.348689 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.576257 DATE COLLECTED: 2 / 0 / 1944
 SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 428.0 LOG TYPE: Electric Log
 SOURCE: MAY JOE L WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	MODESTO	PIASA	LIMESTONE	4.0	386.0	
54.0	MODESTO		UNCLASSIFIED	4.0	390.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
50.0	CARBONDALE		UNCLASSIFIED	10.0	394.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
40.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	404.0	
32.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	412.0	
29.0	CARBONDALE		UNCLASSIFIED	3.0	415.0	SHALE ABOVE BRERETON LIMESTONE
26.0	CARBONDALE	BRERETON	LIMESTONE	3.0	418.0	
23.0	CARBONDALE	ANNA	BLACK SHALE	2.0	421.0	
21.0	CARBONDALE	HERRIN	COAL	5.0	423.0	

MAPID: 02701034000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.348689 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.576257 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 1300.0 LOG TYPE:

SOURCE: MAY J L, GROSS 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.0	CARBONDALE	HERRIN	COAL	-	422.0	

MAPID: 02701041000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.371132 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.579558 DATE COLLECTED: 11 / 0 / 1944

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: MAY JOE L WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.0	CARBONDALE		UNCLASSIFIED	9.0	365.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
46.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	374.0	
38.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	382.0	
34.5	CARBONDALE		UNCLASSIFIED	3.0	385.5	SHALE ABOVE BRERETON LIMESTONE
31.5	CARBONDALE	BRERETON	LIMESTONE	1.5	388.5	
30.0	CARBONDALE	ANNA	BLACK SHALE	2.0	390.0	
28.0	CARBONDALE	HERRIN	COAL	5.0	392.0	

MAPID: 02701041000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.371132 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.579558 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 1245.0 LOG TYPE:

SOURCE: MAY J L, CARLY CPT 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	CARBONDALE	HERRIN	COAL	-	390.0	

MAPID: 02701043000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: CARLYLE LONGITUDE: -89.37093 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.566908 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 2627.0 LOG TYPE:

SOURCE: MAY J L, PRASUHN H 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
368.0	BOND	CARTHAGE	LIMESTONE	-	72.0	
20.0	CARBONDALE	HERRIN	COAL	-	420.0	

MAPID: 02701102000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 980' E line of NW NW

QUADRANGLE: CARLYLE LONGITUDE: -89.369781 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57957 DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: SCHOENDIENST PAUL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	CARBONDALE	HERRIN	COAL	6.0	374.0	

MAPID: 02701129000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: 825' N line, 415' W line

QUADRANGLE: CARLYLE LONGITUDE: -89.37125 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.578183 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 397.5 LOG TYPE: Electric Log

SOURCE: SCHIERMANN & IMMING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	MODESTO	PIASA	LIMESTONE	4.0	369.0	
47.0	CARBONDALE		UNCLASSIFIED	6.0	373.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
41.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	379.0	
35.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	385.0	
33.0	CARBONDALE		UNCLASSIFIED	2.0	387.0	SHALE ABOVE BRERETON LIMESTONE
31.0	CARBONDALE	BRERETON	LIMESTONE	1.0	389.0	
30.0	CARBONDALE	ANNA	BLACK SHALE	1.0	390.0	
29.0	CARBONDALE	HERRIN	COAL	6.5	391.0	

MAPID: 02701685000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: 1650' S line, 1650' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.352798 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.570762 DATE COLLECTED: 12 / 0 / 1958

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 423.5 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.5	MODESTO	PIASA	LIMESTONE	4.0	383.5	
44.5	MODESTO		UNCLASSIFIED	3.5	387.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
41.0	CARBONDALE		UNCLASSIFIED	9.0	391.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
32.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	400.0	
24.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	408.0	
20.0	CARBONDALE		UNCLASSIFIED	4.0	412.0	SHALE ABOVE BRERETON LIMESTONE
16.0	CARBONDALE	BRERETON	LIMESTONE	1.5	416.0	
14.5	CARBONDALE	ANNA	BLACK SHALE	0.5	417.5	
14.0	CARBONDALE	HERRIN	COAL	5.5	418.0	

MAPID: 02701685000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: 1650' S line, 1650' E line

QUADRANGLE: CARLYLE LONGITUDE: -89.352798 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.570762 DATE COLLECTED:

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 423.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	MODESTO	PIASA	LIMESTONE	4.0	384.0	
44.0	CARBONDALE		SHALE	14.0	388.0	
30.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	402.0	
26.0	CARBONDALE	LAWSON	SHALE	12.0	406.0	
14.0	CARBONDALE	HERRIN	COAL	5.0	418.0	

MAPID: 02701691000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.365029 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.570603 DATE COLLECTED: 5 / 0 / 1959

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02702725000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 31 **QUARTERS/FOOTAGES:** 360' N line, 330' W line
QUADRANGLE: CARLYLE **LONGITUDE:** -89.371568 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.579462 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 419.0 **LOGGED (FT.):** 2551.0 **LOG TYPE:** Electric Log
SOURCE: SCHIERMANN & IMMING **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
4.0	CARBONDALE	SPRINGFIELD	COAL	-	415.0	
-122.0	CARBONDALE	COLCHESTER	COAL	-	541.0	
-570.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	989.0	
-2078.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2497.0	TOP OF NEW ALBANY
-2098.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2517.0	
-2132.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2551.0	BASE OF NEW ALBANY

MAPID: 02724917000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 31 **QUARTERS/FOOTAGES:** 1980' N line, 660' W line of SW NW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.370278 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.571394 **DATE COLLECTED:** 9 / 29 / 1977
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 401.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16617C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	5.9	389.7	

MAPID: 02701032000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 32 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.331803 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.578351 **DATE COLLECTED:** 9 / 0 / 1944
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 444.0 **LOG TYPE:** Electric Log
SOURCE: REA R L **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
15.0	MODESTO	PIASA	LIMESTONE	3.0	405.0	
12.0	MODESTO		UNCLASSIFIED	4.0	408.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
8.0	CARBONDALE		UNCLASSIFIED	10.5	412.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-2.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	422.5	
-10.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	430.0	
-13.0	CARBONDALE		UNCLASSIFIED	2.5	433.0	SHALE ABOVE BRERETON LIMESTONE
-15.5	CARBONDALE	ANNA	BLACK SHALE	2.5	435.5	
-18.0	CARBONDALE	HERRIN	COAL	6.0	438.0	

MAPID: 02701032000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 32 QUARTERS/FOOTAGES: SW NE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.331803

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.578351

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 1261.0

LOG TYPE:

SOURCE: REA R L, JANTZEN A 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
370.0	BOND	CARTHAGE	LIMESTONE	-	50.0	
-18.0	CARBONDALE	HERRIN	COAL	-	438.0	

MAPID: 02702003000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.336494

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.570967

DATE COLLECTED: 8 / 0 / 1963

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 422.5

LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	401.0	
20.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	406.0	
16.0	CARBONDALE		UNCLASSIFIED	3.0	410.0	SHALE ABOVE BRERETON LIMESTONE
13.0	CARBONDALE	ANNA	BLACK SHALE	3.0	413.0	
10.0	CARBONDALE	HERRIN	COAL	6.5	416.0	

MAPID: 02702730000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 990' W line of SE NE

QUADRANGLE: CARLYLE LONGITUDE: -89.329501

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.574723

DATE COLLECTED: 10 / 0 / 1952

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 407.0

LOG TYPE: Electric Log

SOURCE: ERVIN DRILLING CO.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	MODESTO	PIASA	LIMESTONE	3.0	368.0	
50.0	MODESTO		UNCLASSIFIED	4.0	371.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
46.0	CARBONDALE		UNCLASSIFIED	11.0	375.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
35.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	386.0	
27.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	394.0	
24.0	CARBONDALE		UNCLASSIFIED	2.0	397.0	SHALE ABOVE BRERETON LIMESTONE
22.0	CARBONDALE	ANNA	BLACK SHALE	2.0	399.0	
20.0	CARBONDALE	HERRIN	COAL	6.0	401.0	

MAPID: 02700578000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 33 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.317873

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.57664

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 1577.0

LOG TYPE:

SOURCE: WISER OC, JANTZEN R 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
12.0	CARBONDALE	HERRIN	COAL	-	434.0	

MAPID: 02700578000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 33 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.317873

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.57664

DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 441.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	MODESTO	PIASA	LIMESTONE	4.0	397.0	
45.0	MODESTO		SHALE	14.0	401.0	
31.0	CARBONDALE	DANVILLE	COAL	2.0	415.0	
29.0	CARBONDALE		SHALE	4.0	417.0	
25.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	421.0	
20.0	CARBONDALE	LAWSON	SHALE	8.0	426.0	
12.0	CARBONDALE	HERRIN	COAL	7.0	434.0	

MAPID: 02700578000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 33 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: CARLYLE LONGITUDE: -89.317873 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57664 DATE COLLECTED: 7 / 0 / 1943

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 439.0 LOG TYPE: Electric Log

SOURCE: WISER OIL CO., THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	MODESTO	PIASA	LIMESTONE	5.0	398.0	
43.0	MODESTO		UNCLASSIFIED	4.0	403.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
39.0	CARBONDALE		UNCLASSIFIED	11.5	407.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
27.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	418.5	
21.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	425.0	
18.0	CARBONDALE		UNCLASSIFIED	2.0	428.0	SHALE ABOVE BRERETON LIMESTONE
16.0	CARBONDALE	BRERETON	LIMESTONE	1.0	430.0	
15.0	CARBONDALE	ANNA	BLACK SHALE	1.0	431.0	
14.0	CARBONDALE	HERRIN	COAL	7.0	432.0	

MAPID: 02701063000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 33 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.322524 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.567451 DATE COLLECTED: 11 / 0 / 1944

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 453.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	MODESTO	PIASA	LIMESTONE	4.0	411.0	
45.0	MODESTO		UNCLASSIFIED	3.0	415.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
42.0	CARBONDALE	DANVILLE	COAL	2.0	418.0	
40.0	CARBONDALE		UNCLASSIFIED	13.0	420.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
27.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	433.0	
19.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	441.0	
17.0	CARBONDALE		UNCLASSIFIED	2.0	443.0	SHALE ABOVE BRERETON LIMESTONE
15.0	CARBONDALE	ANNA	BLACK SHALE	2.0	445.0	
13.0	CARBONDALE	HERRIN	COAL	6.0	447.0	

MAPID: 02701063000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 33 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: CARLYLE LONGITUDE: -89.322524 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.567451 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 1341.0 LOG TYPE:

SOURCE: CONREY T M, VOGEL F 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
14.0	CARBONDALE	HERRIN	COAL	-	449.0	

MAPID: 02725424000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 33 QUARTERS/FOOTAGES: 330' N line, 990' W line of SW

QUADRANGLE: CARLYLE LONGITUDE: -89.324818 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.572938 DATE COLLECTED:

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 2707.0 LOG TYPE: Electric Log

SOURCE: LOUISIANA LAND & EXPL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-15.0	CARBONDALE	SPRINGFIELD	COAL	-	446.0	
-119.0	CARBONDALE	COLCHESTER	COAL	-	550.0	
-663.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1094.0	
-2219.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2650.0	TOP OF NEW ALBANY
-2235.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2666.0	
-2276.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2707.0	BASE OF NEW ALBANY

MAPID: 02701408000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 34 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.299375 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.567546 DATE COLLECTED: 8 / 0 / 1951

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 484.0 LOG TYPE: Electric Log

SOURCE: ROBISON, H. F. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.5	MODESTO	PIASA	LIMESTONE	4.5	438.5	
21.0	MODESTO		UNCLASSIFIED	5.5	443.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
15.5	CARBONDALE	DANVILLE	COAL	1.5	448.5	
14.0	CARBONDALE		UNCLASSIFIED	13.0	450.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
1.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	463.0	
-6.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	470.0	
-10.0	CARBONDALE		UNCLASSIFIED	3.0	474.0	SHALE ABOVE BRERETON LIMESTONE
-13.0	CARBONDALE	BRERETON	LIMESTONE	2.0	477.0	
-15.0	CARBONDALE	ANNA	BLACK SHALE	1.0	479.0	
-16.0	CARBONDALE	HERRIN	COAL	4.0	480.0	

MAPID: 02701408000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 2W SECTION: 34 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: CARLYLE LONGITUDE: -89.299375 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.567546 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 487.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	MODESTO	PIASA	LIMESTONE	5.0	439.0	
20.0	MODESTO		SHALE	13.0	444.0	
7.0	CARBONDALE	DANVILLE	COAL	2.0	457.0	
5.0	CARBONDALE		SHALE	7.0	459.0	
-2.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	466.0	
-8.0	CARBONDALE	LAWSON	SHALE	8.0	472.0	
-16.0	CARBONDALE	HERRIN	COAL	7.0	480.0	

MAPID: 02701408000C **VERSION:** 3 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 34 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: CARLYLE **LONGITUDE:** -89.299375 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.567546 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1171.0 **LOG TYPE:** Electric Log
SOURCE: ROBISON, H. F. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-46.0	CARBONDALE	SPRINGFIELD	COAL	-	510.0	
-169.0	CARBONDALE	COLCHESTER	COAL	-	633.0	
-707.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1171.0	

MAPID: 02702733000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 2W **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE SW
QUADRANGLE: CARLYLE **LONGITUDE:** -89.264461 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.571342 **DATE COLLECTED:** 9 / 0 / 1954
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 422.0 **LOG TYPE:** Electric Log
SOURCE: WHITE EDGAR **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	HERRIN	COAL	5.0	417.0	

MAPID: 02701583000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.387782 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.643581 **DATE COLLECTED:** 7 / 0 / 1957
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 422.0 **LOG TYPE:** Electric Log
SOURCE: JET OIL CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	5.0	417.0	

MAPID: 02701592000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.387741 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649097 DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 415.5 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.0	CARBONDALE		UNCLASSIFIED	6.5	380.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	386.5	
84.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	394.0	
80.0	CARBONDALE		UNCLASSIFIED	3.0	398.0	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	2.5	401.0	
74.5	CARBONDALE	ANNA	BLACK SHALE	6.5	403.5	
68.0	CARBONDALE	HERRIN	COAL	5.5	410.0	

MAPID: 02701593000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 1 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.390151 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.645417 DATE COLLECTED: 5 / 0 / 1957

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 421.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	6.0	370.0	
102.0	MODESTO		UNCLASSIFIED	3.5	376.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.5	CARBONDALE	DANVILLE	COAL	1.5	379.5	
97.0	CARBONDALE		UNCLASSIFIED	10.0	381.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
87.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	391.0	
79.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	399.0	
74.0	CARBONDALE		UNCLASSIFIED	5.0	404.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	2.0	409.0	
67.0	CARBONDALE	ANNA	BLACK SHALE	3.0	411.0	
64.0	CARBONDALE	HERRIN	COAL	7.0	414.0	

MAPID: 02701593000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 1 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.390151

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.645417

DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0

LOGGED (FT.): 422.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
104.0	MODESTO	PIASA	CALCAREOUS SHALE	6.0	374.0
98.0	MODESTO		SHALE	10.0	380.0
88.0	CARBONDALE		SHALE	6.0	390.0
82.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	396.0
75.0	CARBONDALE	LAWSON	SHALE	10.0	403.0
65.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	413.0
63.0	CARBONDALE	ANNA	SHALE	2.0	415.0
61.0	CARBONDALE	HERRIN	COAL	5.0	417.0

MAPID: 02700055000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: 891' N line, 121' W line of NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.400236

GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.643769

DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 466.0

LOGGED (FT.): 1060.0

LOG TYPE:

SOURCE: BELMONT OC0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
44.0	CARBONDALE	HERRIN	COAL	7.0	422.0

MAPID: 02700055000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: 891' N line, 121' W line of NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.400236

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.643769

DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 466.0

LOGGED (FT.): 429.0

LOG TYPE: Drillers Log

SOURCE: BELMONT OIL

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
44.0	CARBONDALE	HERRIN	COAL	7.0	422.0

MAPID: 02700056000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** 1210' S line, 194' W line of SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.399981 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64214 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1057.0 **LOG TYPE:**
SOURCE: BUSCH EVRT0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	6.0	421.0	

MAPID: 02700057000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.399497 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.643451 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1051.0 **LOG TYPE:**
SOURCE: BELMONT OC 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	6.0	421.0	

MAPID: 02700058000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.399499 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639738 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: BUSCH EVRT0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	6.0	430.0	

MAPID: 02700059000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** 1170' N line, 114' W line of SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.400262 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.642999 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:**
SOURCE: BELMONT OC0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	6.0	421.0	

MAPID: 02700060000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.398332 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.640689 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 1067.0 **LOG TYPE:**
SOURCE: BUSCH EVRT0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.0	CARBONDALE	HERRIN	COAL	6.0	429.0	

MAPID: 02700061000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.399496 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.641596 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: BUSCH EVRT0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02700062000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** 40' N line, 157' W line of NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.400109 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.646118 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 1055.0 **LOG TYPE:**
SOURCE: BELMONT OC0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	CARBONDALE	HERRIN	COAL	7.0	425.0	

MAPID: 02700063000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** 1198' N line, 575' W line of SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.398639 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64294 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: BELMONT OC0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	6.0	420.0	

MAPID: 02700064000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.397164 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64534 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 481.0 **LOGGED (FT.):** 1074.0 **LOG TYPE:**
SOURCE: BELMONT OC0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
53.0	CARBONDALE	HERRIN	COAL	7.0	428.0
-19.0	CARBONDALE	SPRINGFIELD	COAL	3.0	500.0

MAPID: 02700065000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.399495 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647164 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 1056.0 **LOG TYPE:**
SOURCE: SHAFFER SM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
46.0	CARBONDALE	HERRIN	COAL	8.0	425.0

MAPID: 02700065000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.399495 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.647164 **DATE COLLECTED:** 9 / 0 / 1911
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 433.0 **LOG TYPE:** Drillers Log
SOURCE: SHAFFER & SMATHERS **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
46.0	CARBONDALE	HERRIN	COAL	8.0	425.0

MAPID: 02700066000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408827 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.645187 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 454.0 **LOGGED (FT.):** 1045.0 **LOG TYPE:**
SOURCE: SURPASS OG0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	CARBONDALE	HERRIN	COAL	6.0	393.0	

MAPID: 02700067000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.40416 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.63964 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: TREAT CRAW0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
36.0	CARBONDALE	HERRIN	COAL	7.0	436.0	

MAPID: 02700068000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406487 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639589 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: SURPASS OG0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	5.0	432.0	

MAPID: 02700068000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406487 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.639589 **DATE COLLECTED:** 7 / 0 / 1911
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 437.0 **LOG TYPE:** Drillers Log
SOURCE: SURPASS OIL & GAS **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	5.0	432.0	

MAPID: 02700069000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.398329 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.648105 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: SHAFFER SM0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	5.0	415.0	

MAPID: 02700070000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408817 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639538 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1053.0 **LOG TYPE:**
SOURCE: SURPASS OG0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	HERRIN	COAL	5.0	421.0	

MAPID: 02700071000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.40416 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.63964 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:**
SOURCE: TREAT CRAW0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
32.0	CARBONDALE	HERRIN	COAL	7.0	439.0	

MAPID: 02700072000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408817 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639538 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1054.0 **LOG TYPE:**
SOURCE: SURPASS OG0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.0	CARBONDALE	HERRIN	COAL	2.0	422.0	

MAPID: 02700073000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** 976' S line, 1148' W line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.405946 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.641358 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 1053.0 **LOG TYPE:**
SOURCE: SURPASS OG0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	6.0	418.0	

MAPID: 02700074000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** S2
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.400664 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.642505 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 1054.0 **LOG TYPE:**
SOURCE: TREAT CRAW0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.0	CARBONDALE	HERRIN	COAL	4.0	418.0	

MAPID: 02700075000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406492 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.643341 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 1044.0 **LOG TYPE:**
SOURCE: SURPASS OG0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
54.0	CARBONDALE	HERRIN	COAL	9.0	409.0	

MAPID: 02700076000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406497 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.645218 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 459.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: SURPASS OG0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	6.0	401.0	

MAPID: 02700077000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.397162 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64904 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:**
SOURCE: SHAFFER SM0011 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	CARBONDALE	HERRIN	COAL	7.0	420.0	

MAPID: 02700077000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.397162 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.64904 **DATE COLLECTED:** 11 / 0 / 1911
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 427.0 **LOG TYPE:** Drillers Log
SOURCE: SHAFFER & SMATHERS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	CARBONDALE	HERRIN	COAL	7.0	420.0	

MAPID: 02700078000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408821 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.641421 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 890.0 **LOG TYPE:**
SOURCE: EWING MARQ0011 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	7.0	410.0	

MAPID: 02700078000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408821 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.641421 **DATE COLLECTED:** 0 / 0 / 1927
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 417.0 **LOG TYPE:** Drillers Log
SOURCE: SURPASS OIL & GAS **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	7.0	410.0	

MAPID: 02700079000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408832 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64707 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1048.0 **LOG TYPE:**
SOURCE: SURPASS OG0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
62.0	CARBONDALE	HERRIN	COAL	10.0	402.0	

MAPID: 02700080000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406498 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647093 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1048.0 **LOG TYPE:**
SOURCE: SURPASS OG0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	CARBONDALE	HERRIN	COAL	8.0	407.0	

MAPID: 02700081000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.404164 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647116 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1054.0 **LOG TYPE:**
SOURCE: SURPASS OG0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	CARBONDALE	HERRIN	COAL	5.0	406.0	

MAPID: 02700082000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.40183 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647141 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: SURPASS OG0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	10.0	402.0	

MAPID: 02700083000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408832 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64707 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1046.0 **LOG TYPE:**
SOURCE: SURPASS OG0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	CARBONDALE	HERRIN	COAL	8.0	405.0	

MAPID: 02700084000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.40183 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647141 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 1048.0 **LOG TYPE:**
SOURCE: EWING MARQ0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	7.0	417.0	

MAPID: 02700085000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.40183 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647141 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 843.0 **LOG TYPE:**
SOURCE: EWING MARQ0016 **WELL TYPE:** Oil and Gas Test
COMMENT:

MAPID: 02700253000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 2 **QUARTERS/FOOTAGES:** NW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.40766 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.644261 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: OHIO OIL 0039 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	CARBONDALE	HERRIN	COAL	7.0	405.0	

MAPID: 02700253000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.40766 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.644261 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 412.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO., THE WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	CARBONDALE	HERRIN	COAL	7.0	405.0	

MAPID: 02700300000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: 1320' N line, 660' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.40768 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.650015 DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 0.0 LOG TYPE:

SOURCE: NO COMPANY 17 WELL TYPE: Oil and Gas Test

COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.0	CARBONDALE	HERRIN	COAL	8.0	410.0	

MAPID: 02700300000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: 1320' N line, 660' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.40768 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.650015 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 418.0 LOG TYPE: Drillers Log

SOURCE: NO COMPANY WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.0	CARBONDALE	HERRIN	COAL	8.0	410.0	

MAPID: 02701742000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.399499 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.639738 DATE COLLECTED: 11 / 0 / 1950

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 438.0 LOG TYPE: Electric Log

SOURCE: BOYD, L. K. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	4.0	385.0	
81.0	MODESTO		UNCLASSIFIED	4.0	389.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.0	CARBONDALE	DANVILLE	COAL	2.0	393.0	
75.0	CARBONDALE		UNCLASSIFIED	13.0	395.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
62.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	408.0	
53.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	417.0	
51.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	419.0	
49.0	CARBONDALE		UNCLASSIFIED	4.0	421.0	SHALE ABOVE BRERETON LIMESTONE
45.0	CARBONDALE	BRERETON	LIMESTONE	3.0	425.0	
42.0	CARBONDALE	ANNA	BLACK SHALE	3.0	428.0	
39.0	CARBONDALE	HERRIN	COAL	7.0	431.0	

MAPID: 02701742000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.399499 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.639738 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	MODESTO	PIASA	LIMESTONE	4.0	390.0	
78.0	MODESTO		SHALE	12.0	394.0	
66.0	CARBONDALE	DANVILLE	COAL	3.0	406.0	
63.0	CARBONDALE		SHALE	4.0	409.0	
59.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	413.0	
54.0	CARBONDALE	LAWSON	SHALE	12.0	418.0	
42.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	430.0	
40.0	CARBONDALE	ANNA	SHALE	4.0	432.0	
36.0	CARBONDALE	HERRIN	COAL	7.0	436.0	

MAPID: 02701743000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.394839

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.641694

DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0

LOGGED (FT.): 985.0

LOG TYPE: Electric Log

SOURCE: BOYD, L. K.

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-18.0	CARBONDALE	SPRINGFIELD	COAL	-	479.0	
-86.0	CARBONDALE	COLCHESTER	COAL	-	547.0	
-524.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	985.0	

MAPID: 02701743000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.394839

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.641694

DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 468.0

LOGGED (FT.): 426.0

LOG TYPE: Electric Log

SOURCE: BOYD, L. K.

WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
75.5	CARBONDALE		UNCLASSIFIED	4.0	392.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
71.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	396.5	
63.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	404.5	
59.0	CARBONDALE		UNCLASSIFIED	4.0	409.0	SHALE ABOVE BRERETON LIMESTONE
55.0	CARBONDALE	BRERETON	LIMESTONE	3.0	413.0	
52.0	CARBONDALE	ANNA	BLACK SHALE	3.0	416.0	
49.0	CARBONDALE	HERRIN	COAL	7.0	419.0	

MAPID: 02702016000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 2 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.401864 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.645134 DATE COLLECTED: 9 / 0 / 1963

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 415.0 LOG TYPE: Electric Log

SOURCE: LOEB, HENRY WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.5	MODESTO	PIASA	LIMESTONE	4.5	365.5	
95.0	MODESTO		UNCLASSIFIED	4.0	370.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
91.0	CARBONDALE		UNCLASSIFIED	12.0	374.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
79.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	386.0	
72.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	393.0	
66.5	CARBONDALE		UNCLASSIFIED	4.0	398.5	SHALE ABOVE BRERETON LIMESTONE
62.5	CARBONDALE	BRERETON	LIMESTONE	4.0	402.5	
58.5	CARBONDALE	ANNA	BLACK SHALE	4.5	406.5	
54.0	CARBONDALE	HERRIN	COAL	4.0	411.0	

MAPID: 02700086000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.420523 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.647007 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 1135.0 LOG TYPE:

SOURCE: BRUNER 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	8.0	406.0	

MAPID: 02700087000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.413507 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.64704 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 1053.0 LOG TYPE:

SOURCE: SURPASS OG0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	12.0	399.0	

MAPID: 02700088000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 193' S line, 160' E line of NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.410561 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.646643 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 1042.0 **LOG TYPE:**
SOURCE: SURPASS OG0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
75.0	CARBONDALE	HERRIN	COAL	6.0	383.0	

MAPID: 02700089000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.418186 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647019 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: SURPASS OG0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	7.0	407.0	

MAPID: 02700089000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.418186 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.647019 **DATE COLLECTED:** 9 / 0 / 1911
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 414.0 **LOG TYPE:** Drillers Log
SOURCE: SURPASS OIL & GAS **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	7.0	407.0	

MAPID: 02700090000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 1040' N line, 200' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.41071 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.650785 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: EWING MARQ 8 **WELL TYPE:** Oil and Gas Test
COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	CARBONDALE	HERRIN	COAL	4.0	404.0	

MAPID: 02700091000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.416995 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64418 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1048.0 **LOG TYPE:**
SOURCE: SURPASS OG0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	10.0	400.0	

MAPID: 02700092000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415797 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639455 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: SURPASS OG0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	8.0	408.0	

MAPID: 02700092000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415797 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.639455 **DATE COLLECTED:** 6 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 416.0 **LOG TYPE:** Drillers Log
SOURCE: SURPASS OIL & GAS **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	8.0	408.0	

MAPID: 02700093000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.425097 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639357 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1127.0 **LOG TYPE:**
SOURCE: SURPASS OG 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	7.0	414.0	

MAPID: 02700093000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.425097 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.639357 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 421.0 LOG TYPE: Drillers Log

SOURCE: SURPASS OIL & GAS WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	7.0	414.0	

MAPID: 02700094000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.420447 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.639406 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 1057.0 LOG TYPE:

SOURCE: SURPASS OG 4 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	6.0	422.0	

MAPID: 02700095000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: 605' S line, 160' E line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.415201 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.640184 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 1053.0 LOG TYPE:

SOURCE: SURPASS OG0005 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	9.0	415.0	

MAPID: 02700096000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.415821 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.643243 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 1056.0 LOG TYPE:

SOURCE: SURPASS OG0006 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	5.0	412.0	

MAPID: 02700097000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.41812 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639429 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1050.0 **LOG TYPE:**
SOURCE: SURPASS OG0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	6.0	415.0	

MAPID: 02700098000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 1000' S line, 1520' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415337 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.641274 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1049.0 **LOG TYPE:**
SOURCE: EWING MARQ0008 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	8.0	413.0	

MAPID: 02700099000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 160' S line, 180' W line of SW SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413996 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.638968 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1052.0 **LOG TYPE:**
SOURCE: SURPASS OG0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	8.0	415.0	

MAPID: 02700100000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.41349 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.643261 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 459.0 **LOGGED (FT.):** 1040.0 **LOG TYPE:**
SOURCE: SURPASS OG0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	CARBONDALE	HERRIN	COAL	8.0	407.0	

MAPID: 02700101000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.411147 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639502 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1055.0 **LOG TYPE:**
SOURCE: SURPASS OG0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
54.0	CARBONDALE	HERRIN	COAL	7.0	413.0	

MAPID: 02700102000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW/c NW SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413479 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.64137 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1058.0 **LOG TYPE:**
SOURCE: SURPASS OG0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	8.0	420.0	

MAPID: 02700103000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.411147 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639502 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: SURPASS OG0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	6.0	421.0	

MAPID: 02700104000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.411165 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.645164 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 1034.0 **LOG TYPE:**
SOURCE: SURPASS OG0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02700105000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** NW NE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413499 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.645149 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 1040.0 **LOG TYPE:**
SOURCE: SURPASS OG 7 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	CARBONDALE	HERRIN	COAL	8.0	399.0	

MAPID: 02700106000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 1670' S line, 235' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.410819 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.643173 **DATE COLLECTED:** 0 / 0 / 1927
SURFACE ELEVATION (FT.): 459.0 **LOGGED (FT.):** 1043.0 **LOG TYPE:**
SOURCE: OHIO OIL 11 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	HERRIN	COAL	5.0	420.0	

MAPID: 02700107000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 1070' S line, 235' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.410814 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.641517 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 1036.0 **LOG TYPE:**
SOURCE: EWING MARQ 12 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02700301000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 660' S line, 1980' W line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.421629 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.640266 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	HERRIN	COAL	7.0	425.0	

MAPID: 02700302000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 1980' S line, 660' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.412317 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.644014 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: NO COMPANY 13 **WELL TYPE:** Oil and Gas Test
COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
62.0	CARBONDALE	HERRIN	COAL	10.0	398.0	

MAPID: 02700303000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 660' S line, 1320' E line of NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.414646 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647911 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02700557000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 3 **QUARTERS/FOOTAGES:** 660' N line, 330' E line of SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.411155 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.644286 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 423.0 **LOG TYPE:** Electric Log
SOURCE: SOWELL C B **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.5	MODESTO	PIASA	LIMESTONE	4.5	368.5	
87.0	MODESTO		UNCLASSIFIED	4.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE		UNCLASSIFIED	10.0	377.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
73.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	387.0	
64.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	396.0	
59.0	CARBONDALE	CONANT	UNCLASSIFIED	4.0	401.0	
55.0	CARBONDALE		UNCLASSIFIED	4.0	405.0	SHALE ABOVE BRERETON LIMESTONE
51.0	CARBONDALE	BRERETON	LIMESTONE	6.0	409.0	
45.0	CARBONDALE	ANNA	BLACK SHALE	2.0	415.0	
43.0	CARBONDALE	HERRIN	COAL	6.0	417.0	

MAPID: 02701442000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.420542 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.648909 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 413.0 LOG TYPE: Electric Log

SOURCE: BOYD, L. K. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO	PIASA	LIMESTONE	4.0	363.0	
99.0	MODESTO		UNCLASSIFIED	3.5	367.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.5	CARBONDALE		UNCLASSIFIED	12.5	370.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	383.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	390.0	
72.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	394.0	
70.0	CARBONDALE		UNCLASSIFIED	5.0	396.0	SHALE ABOVE BRERETON LIMESTONE
65.0	CARBONDALE	BRERETON	LIMESTONE	3.0	401.0	
62.0	CARBONDALE	ANNA	BLACK SHALE	3.0	404.0	
59.0	CARBONDALE	HERRIN	COAL	6.0	407.0	

MAPID: 02701442000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.420542 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.648909 DATE COLLECTED:

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 426.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	MODESTO	PIASA	LIMESTONE	4.0	375.0	
100.0	MODESTO		SHALE	10.0	379.0	
90.0	CARBONDALE	DANVILLE	COAL	3.0	389.0	
87.0	CARBONDALE		SHALE	5.0	392.0	
82.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	397.0	
76.0	CARBONDALE	LAWSON	SHALE	12.0	403.0	
64.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	415.0	
62.0	CARBONDALE	ANNA	SHALE	3.0	417.0	
59.0	CARBONDALE	HERRIN	COAL	6.0	420.0	

MAPID: 02701813000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 3 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.422868 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.646956 DATE COLLECTED: 8 / 0 / 1960

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 436.0 LOG TYPE: Electric Log

SOURCE: MONKEN, LELAND WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	CARBONDALE	HERRIN	COAL	9.0	427.0	

MAPID: 02701455000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 4 QUARTERS/FOOTAGES: 490' N line, 330' W line of NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.432171 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.644623 DATE COLLECTED: 12 / 0 / 1953

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 423.5 LOG TYPE: Electric Log

SOURCE: MONKEN, LELAND WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	MODESTO	PIASA	LIMESTONE	6.0	367.0	
60.0	MODESTO		UNCLASSIFIED	5.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
55.0	CARBONDALE		UNCLASSIFIED	12.5	378.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
42.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.5	390.5	
32.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	401.0	
26.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	407.0	
24.0	CARBONDALE		UNCLASSIFIED	4.0	409.0	SHALE ABOVE BRERETON LIMESTONE
20.0	CARBONDALE	BRERETON	LIMESTONE	2.0	413.0	
18.0	CARBONDALE	ANNA	BLACK SHALE	3.0	415.0	
15.0	CARBONDALE	HERRIN	COAL	5.5	418.0	

MAPID: 02702742000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 4 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.446133 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.652535 DATE COLLECTED: 1 / 0 / 1944

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 407.0 LOG TYPE: Electric Log

SOURCE: STANDOLIND OIL & GAS WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	MODESTO	PIASA	LIMESTONE	4.0	361.0	
86.0	MODESTO		UNCLASSIFIED	3.0	365.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE		UNCLASSIFIED	8.0	368.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
75.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	376.0	
68.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	383.0	
63.0	CARBONDALE	CONANT	UNCLASSIFIED	3.5	388.0	
59.5	CARBONDALE		UNCLASSIFIED	3.5	391.5	SHALE ABOVE BRERETON LIMESTONE
56.0	CARBONDALE	BRERETON	LIMESTONE	3.0	395.0	
53.0	CARBONDALE	ANNA	BLACK SHALE	2.0	398.0	
51.0	CARBONDALE	HERRIN	COAL	7.0	400.0	

MAPID: 02702742000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 4 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.446133 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.652535 DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 406.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	LIMESTONE	6.0	360.0	
85.0	MODESTO		SHALE	7.0	366.0	
78.0	CARBONDALE		SHALE	5.0	373.0	
73.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	378.0	
67.0	CARBONDALE	LAWSON	SHALE	6.0	384.0	
61.0	CARBONDALE	CONANT	LIMESTONE	2.0	390.0	
59.0	CARBONDALE	JAMESTOWN	SHALE	4.0	392.0	
55.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	396.0	
53.0	CARBONDALE	ANNA	SHALE	2.0	398.0	
51.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02702742000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 4 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.446133

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.652535

DATE COLLECTED: 1 / 0 / 1944

SURFACE ELEVATION (FT.): 451.0

LOGGED (FT.): 828.0

LOG TYPE: Electric Log

SOURCE: STANDOLIND OIL & GAS

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	UNCLASSIFIED	-	360.0	
51.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	400.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
-9.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	460.0	
-42.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	493.0	
-85.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	536.0	
-377.0	BASE OF PENN.		UNCLASSIFIED	-	828.0	

MAPID: 02702742000C VERSION: 4

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 4 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.446133

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.652535

DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0

LOGGED (FT.): 2391.0

LOG TYPE: Electric Log

SOURCE: STANDOLIND OIL & GAS

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
36.0	CARBONDALE	SPRINGFIELD	COAL	-	415.0	
-81.0	CARBONDALE	COLCHESTER	COAL	-	532.0	
-467.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	918.0	
-1893.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2344.0	TOP OF NEW ALBANY
-1910.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2361.0	
-1940.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2391.0	BASE OF NEW ALBANY

MAPID: 02702743000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 5 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.448484 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.644866 DATE COLLECTED: 6 / 0 / 1950

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 386.0 LOG TYPE: Electric Log

SOURCE: HENDERSON P M WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	4.0	338.0	
96.0	MODESTO		UNCLASSIFIED	3.0	342.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.0	CARBONDALE	DANVILLE	COAL	1.5	345.0	
91.5	CARBONDALE		UNCLASSIFIED	9.5	346.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
82.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	356.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	363.0	
70.0	CARBONDALE		UNCLASSIFIED	4.0	368.0	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	BRERETON	LIMESTONE	5.0	372.0	
61.0	CARBONDALE	ANNA	BLACK SHALE	3.0	377.0	
58.0	CARBONDALE	HERRIN	COAL	6.0	380.0	

MAPID: 02702743000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 5 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.448484 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.644866 DATE COLLECTED:

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 386.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.0	MODESTO	PIASA	LIMESTONE	5.0	345.0	
93.0	MODESTO		SHALE	10.0	350.0	
83.0	CARBONDALE	DANVILLE	COAL	2.0	360.0	
81.0	CARBONDALE		SHALE	2.0	362.0	
79.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	364.0	
75.0	CARBONDALE	LAWSON	SHALE	12.0	368.0	
63.0	CARBONDALE	HERRIN	COAL	6.0	380.0	

MAPID: 0272653000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 5 QUARTERS/FOOTAGES: 75' N line, 740' E line
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.4499 GEOLOGIST: E. PRUSSEN
 CONFIDENTIAL: N LATITUDE: 38.653185 DATE COLLECTED: 5 / 14 / 1969
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 433.8 LOG TYPE: Other Core Study
 SOURCE: CARTER OIL WF-228 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
54.0	CARBONDALE	HERRIN	COAL	7.5	401.0	CLEAN COAL, SEE LOG
-	CARBONDALE	HERRIN	ROCK	0.2		TOTAL IN-SEAM PARTINGS-SEE LOG

MAPID: 02701441000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.471854 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.64853 DATE COLLECTED: 4 / 0 / 1954
 SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 389.0 LOG TYPE: Electric Log
 SOURCE: DORAN THOMAS S WELL TYPE: Producer-Oil
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
110.5	MODESTO	PIASA	LIMESTONE	5.0	345.5	
105.5	MODESTO		UNCLASSIFIED	3.5	350.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
102.0	CARBONDALE		UNCLASSIFIED	10.0	354.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	364.0	
84.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	371.5	
81.0	CARBONDALE		UNCLASSIFIED	3.0	375.0	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	BRERETON	LIMESTONE	2.0	378.0	
76.0	CARBONDALE	ANNA	BLACK SHALE	2.0	380.0	
74.0	CARBONDALE	HERRIN	COAL	7.0	382.0	

MAPID: 02702748000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 126' N line, 339' W line of SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.478294 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.6454 DATE COLLECTED: 4 / 0 / 1951

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 377.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
127.5	MODESTO	PIASA	LIMESTONE	4.0	328.5	
123.5	MODESTO		UNCLASSIFIED	6.0	332.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
117.5	CARBONDALE		UNCLASSIFIED	8.5	338.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
109.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	347.0	
101.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	355.0	
98.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	358.0	
96.0	CARBONDALE		UNCLASSIFIED	2.5	360.0	SHALE ABOVE BRERETON LIMESTONE
93.5	CARBONDALE	BRERETON	LIMESTONE	6.5	362.5	
87.0	CARBONDALE	ANNA	BLACK SHALE	2.0	369.0	
85.0	CARBONDALE	HERRIN	COAL	6.0	371.0	

MAPID: 02702750000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 1650' N line, 990' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.47605 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.648475 DATE COLLECTED: 6 / 0 / 1951

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 384.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	MODESTO	PIASA	LIMESTONE	4.0	339.0	
115.0	MODESTO		UNCLASSIFIED	5.0	343.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.0	CARBONDALE		UNCLASSIFIED	13.0	348.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	361.0	
90.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	368.0	
87.0	CARBONDALE		UNCLASSIFIED	3.0	371.0	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	1.5	374.0	
82.5	CARBONDALE	ANNA	BLACK SHALE	2.5	375.5	
80.0	CARBONDALE	HERRIN	COAL	6.0	378.0	

MAPID: 0270275000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 1650' N line, 990' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.47605 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.648475 DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 384.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	4.0	340.0	
114.0	MODESTO		SHALE	12.0	344.0	
102.0	CARBONDALE		SHALE	6.0	356.0	
96.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	362.0	
90.0	CARBONDALE	LAWSON	SHALE	6.0	368.0	
84.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	1.0	374.0	
83.0	CARBONDALE	ANNA	SHALE	3.0	375.0	
80.0	CARBONDALE	HERRIN	COAL	6.0	378.0	

MAPID: 02702751000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.474164 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.644872 DATE COLLECTED: 8 / 0 / 1954

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 388.0 LOG TYPE: Electric Log

SOURCE: DORAN THOMAS S WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.0	MODESTO	PIASA	LIMESTONE	5.0	342.0	
108.0	MODESTO		UNCLASSIFIED	3.0	347.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.0	CARBONDALE		UNCLASSIFIED	9.0	350.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	359.0	
91.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	364.0	
86.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	369.0	
84.0	CARBONDALE		UNCLASSIFIED	5.0	371.0	SHALE ABOVE BRERETON LIMESTONE
79.0	CARBONDALE	BRERETON	LIMESTONE	4.5	376.0	
74.5	CARBONDALE	ANNA	BLACK SHALE	1.5	380.5	
73.0	CARBONDALE	HERRIN	COAL	6.0	382.0	

MAPID: 02702754000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.473982 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.652141 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 2171.0 LOG TYPE: Electric Log

SOURCE: GULF ENERGY & MINERALS WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	CARBONDALE	SPRINGFIELD	COAL	-	400.0	
-65.0	CARBONDALE	COLCHESTER	COAL	-	513.0	
-371.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	819.0	
-1680.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2128.0	TOP OF NEW ALBANY
-1694.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2142.0	
-1723.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2171.0	BASE OF NEW ALBANY

MAPID: 02702756000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 430' W line of N2 NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.478049 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.65029 DATE COLLECTED: 10 / 0 / 1951

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 349.5 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	MODESTO	PIASA	LIMESTONE	3.0	307.0	
131.0	MODESTO		UNCLASSIFIED	6.0	310.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
125.0	CARBONDALE		UNCLASSIFIED	10.0	316.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
115.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	326.0	
107.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	334.0	
104.5	CARBONDALE		UNCLASSIFIED	2.5	336.5	SHALE ABOVE BRERETON LIMESTONE
102.0	CARBONDALE	BRERETON	LIMESTONE	2.0	339.0	
100.0	CARBONDALE	ANNA	BLACK SHALE	3.0	341.0	
97.0	CARBONDALE	HERRIN	COAL	5.5	344.0	

MAPID: 02702757000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 659' N line, 480' E line of NW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.472388

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.651252

DATE COLLECTED: 12 / 0 / 1953

SURFACE ELEVATION (FT.): 460.0

LOGGED (FT.): 402.0

LOG TYPE: Electric Log

SOURCE: GULF REFINING CO.

WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.5	MODESTO	PIASA	LIMESTONE	6.5	351.5	
102.0	MODESTO		UNCLASSIFIED	4.0	358.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.0	CARBONDALE		UNCLASSIFIED	11.0	362.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
87.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	373.0	
79.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	381.0	
74.0	CARBONDALE		UNCLASSIFIED	4.0	386.0	SHALE ABOVE BRERETON LIMESTONE
70.0	CARBONDALE	BRERETON	LIMESTONE	3.0	390.0	
67.0	CARBONDALE	ANNA	BLACK SHALE	2.0	393.0	
65.0	CARBONDALE	HERRIN	COAL	7.0	395.0	

MAPID: 02726864000C VERSION: 1

PROJECT: NCRDS 2013

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 6 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.476432 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 38.644848 DATE COLLECTED: 1 / 17 / 2008

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 569.0 LOG TYPE: Other Core Study

SOURCE: BPI INDUSTRIES 1 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
453.0			UNCLASSIFIED	219.9	0.0	
233.1	PATOKA	CHAPEL	COAL	1.0	219.9	
232.1	PATOKA		GREEN SHALE	1.0	220.9	
231.2	PATOKA		SILTSTONE	2.5	221.8	
228.7	PATOKA		SILTSTONE/LIMESTONE	0.4	224.3	
228.3	PATOKA		GRAY SHALE	0.5	224.7	
227.8	PATOKA		MUDSTONE	1.6	225.2	
226.2	PATOKA		GREEN SHALE	3.0	226.8	
223.2			UNCLASSIFIED	108.2	229.8	
115.0	SHELBURN		CLAYSTONE	7.2	338.0	
107.8	SHELBURN		GRAY SHALE	1.0	345.2	
106.8	SHELBURN		LIMESTONE	0.4	346.2	
106.4	SHELBURN		CLAYSTONE & SILTSTONE	2.4	346.6	WJN ADJUSTED DPTHS BEYOND THIS POINT
104.0	SHELBURN	DANVILLE	COAL	1.5	349.0	COAL REMOVED
102.5	SHELBURN		CLAYSTONE & SILTSTONE	2.0	350.5	
100.5	SHELBURN		MUDSTONE	1.6	352.5	
98.9	SHELBURN		LIMESTONE/MUDSTONE	0.5	354.1	LS NODULES
98.4	SHELBURN	BANKSTON FORK	DOLOMITE	4.0	354.6	
94.4	SHELBURN		UNCLASSIFIED	3.4	358.6	MISSING INTERVAL
91.0	SHELBURN		DARK SHALE	6.5	362.0	
84.5	SHELBURN	CONANT	LIMESTONE	1.2	368.5	
83.3	SHELBURN	JAMESTOWN	SHALE	1.0	369.7	BLACK SHALE MIDDLE
82.3	SHELBURN	BRERETON	GRAY LIMESTONE	3.5	370.7	
78.8	CARBONDALE	ANNA	BLACK SHALE	1.4	374.2	HARD, VERY FISSILE
77.4	CARBONDALE	HERRIN	COAL	7.1	375.6	BLUE BAND AT 5.6FT
70.3	CARBONDALE		CLAYSTONE & SILTSTONE	2.5	382.7	
67.8	CARBONDALE	HIGGINSVILLE	LIMESTONE	4.8	385.2	
63.0	CARBONDALE		UNCLASSIFIED	37.0	390.0	
26.0	CARBONDALE		DARK SHALE	1.6	427.0	
24.4	CARBONDALE	HANOVER	LIMESTONE	0.5	428.6	
23.9	CARBONDALE	EXCELLO	BLACK SHALE	2.9	429.1	
21.0	CARBONDALE	HOUCHIN CREEK	COAL	1.8	432.0	COAL REMOVED
19.2	CARBONDALE		CLAYSTONE & SILTSTONE	2.0	433.8	
17.2	CARBONDALE		SILTSTONE	3.0	435.8	
14.2	CARBONDALE		UNCLASSIFIED	70.7	438.8	
-56.5	CARBONDALE		DARK GRAY SHALE	0.2	509.5	
-56.7	CARBONDALE		DARK SHALE	2.3	509.7	
-59.0	CARBONDALE		ARGILLACEOUS LIMESTONE	0.6	512.0	DARK OLIVE- GRAY

-59.6	CARBONDALE	MECCA QUARRY	BLACK SHALE	2.5	512.6	
-62.1	CARBONDALE	COLCHESTER	COAL	1.8	515.1	COAL REMOVED
-63.9	CARBONDALE		CLAYSTONE & SILTSTONE	0.7	516.9	
-64.6	CARBONDALE		ARGILLACEOUS LIMESTONE	3.4	517.6	
-68.0	CARBONDALE		MUDSTONE	2.5	521.0	
-70.5	CARBONDALE		DARK SHALE	0.8	523.5	
-71.3	CARBONDALE	DEKOVEN	COAL	0.7	524.3	
-72.0	CARBONDALE		BLACK SHALE	0.2	525.0	
-72.2	CARBONDALE		SILTSTONE	2.9	525.2	
-75.1	CARBONDALE		SANDSTONE	1.2	528.1	
-76.3	CARBONDALE		SHALE & SANDSTONE	5.7	529.3	INTERLAMINATED
-82.0	CARBONDALE	DAVIS	COAL	1.9	535.0	COAL REMOVED
-83.9	TRADEWATER		MUDSTONE	2.0	536.9	
-85.9	TRADEWATER		SILTSTONE	4.1	538.9	
-90.0	TRADEWATER		UNCLASSIFIED	6.6	543.0	GAP - MISSING BOX
-96.6	TRADEWATER		SILTSTONE	4.1	549.6	
-100.7	TRADEWATER		SHALY COAL	0.4	553.7	PYRITIC
-101.1	TRADEWATER		SHALE	0.5	554.1	BLACK AT TOP GRADING TO GRAY
-101.6	TRADEWATER		COAL	1.7	554.6	COAL REMOVED
-103.3	TRADEWATER		CLAYSTONE & SILTSTONE	1.8	556.3	
-105.1	TRADEWATER		SILTSTONE	10.9	558.1	

MAPID: 02700051000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.475148 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632189 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 450.5 **LOGGED (FT.):** 964.0 **LOG TYPE:**
SOURCE: EWING MARQ **WELL TYPE:** Oil and Gas Test
COMMENT: EXACT LOCATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
48.5	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02700051000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.475148 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.632189 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 409.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
48.0	CARBONDALE	HERRIN	COAL	6.0	403.0	

MAPID: 02700108000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 2750' N line, 380' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.467299 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630967 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 960.0 **LOG TYPE:**
SOURCE: EWING MARQ0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02700108000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 2750' N line, 380' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.467299 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.630967 **DATE COLLECTED:** 0 / 0 / 1918
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 406.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02700109000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** SW NE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.475117 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.628576 **DATE COLLECTED:** 0 / 0 / 1918
SURFACE ELEVATION (FT.): 451.6 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: EWING MARQ0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.6	CARBONDALE	HERRIN	COAL	6.0	405.0	

MAPID: 02700304000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 7 **QUARTERS/FOOTAGES:** 2440' N line, 660' E line of NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.474965 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.631778 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 442.0 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: NO COMPANY 0003 **WELL TYPE:** Oil and Gas Test
COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02700305000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 7 QUARTERS/FOOTAGES: 660' S line, 200' W line of SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.475288 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.633109 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 0.0 LOG TYPE:
SOURCE: WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	CARBONDALE	HERRIN	COAL	6.0	402.0	
-3.0	CARBONDALE	SPRINGFIELD	COAL	7.0	453.0	

MAPID: 02702759000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 7 QUARTERS/FOOTAGES: 990' S line, 330' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.47811 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.62682 DATE COLLECTED: 6 / 0 / 1946

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 404.5 LOG TYPE: Electric Log

SOURCE: MCFARLAND, ROLLA J. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	MODESTO	PIASA	LIMESTONE	4.0	360.0	
86.0	MODESTO		UNCLASSIFIED	4.0	364.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
82.0	CARBONDALE		UNCLASSIFIED	11.5	368.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
70.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	379.5	
62.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	388.0	
58.5	CARBONDALE		UNCLASSIFIED	3.5	391.5	SHALE ABOVE BRERETON LIMESTONE
55.0	CARBONDALE	BRERETON	LIMESTONE	1.5	395.0	
53.5	CARBONDALE	ANNA	BLACK SHALE	1.5	396.5	
52.0	CARBONDALE	HERRIN	COAL	6.5	398.0	

MAPID: 02702759000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 7 QUARTERS/FOOTAGES: 990' S line, 330' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.47811 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.62682 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 405.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	MODESTO	PIASA	LIMESTONE	4.0	360.0	
86.0	MODESTO		SHALE	10.0	364.0	
76.0	CARBONDALE	DANVILLE	COAL	4.0	374.0	
72.0	CARBONDALE		SHALE	4.0	378.0	
68.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	382.0	
64.0	CARBONDALE	LAWSON	SHALE	9.0	386.0	
55.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	1.5	395.0	
53.5	CARBONDALE	ANNA	SHALE	1.5	396.5	
52.0	CARBONDALE	HERRIN	COAL	7.0	398.0	

MAPID: 02725936000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 7 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.46941 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.626736 DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 2391.0 LOG TYPE: Electric Log

SOURCE: AMERICAN LAND & EXPLORATION, INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	SPRINGFIELD	COAL	-	432.0	
-85.0	CARBONDALE	COLCHESTER	COAL	-	562.0	
-442.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	919.0	
-1869.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2346.0	TOP OF NEW ALBANY
-1885.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2362.0	
-1914.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2391.0	BASE OF NEW ALBANY

MAPID: 02701300000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.45774 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.624799 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 528.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	399.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO COAL HORIZON IDENTIFIABLE
-2.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	450.0	
-30.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	478.0	
-80.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	528.0	

MAPID: 02701300000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.45774 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.624799 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 406.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	LIMESTONE	5.0	357.0	
86.0	MODESTO		UNCLASSIFIED	3.0	362.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE		UNCLASSIFIED	10.0	365.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
73.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	375.0	
64.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	384.0	
59.5	CARBONDALE		UNCLASSIFIED	4.5	388.5	SHALE ABOVE BRERETON LIMESTONE
55.0	CARBONDALE	BRERETON	LIMESTONE	2.0	393.0	
53.0	CARBONDALE	ANNA	BLACK SHALE	3.0	395.0	
50.0	CARBONDALE	HERRIN	COAL	8.0	398.0	

MAPID: 02701439000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.464794 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.630345 DATE COLLECTED: 12 / 0 / 1952

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 391.0 LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	4.5	344.0	
103.5	MODESTO		UNCLASSIFIED	3.0	348.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.5	CARBONDALE		UNCLASSIFIED	10.0	351.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	361.5	
85.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	366.5	
80.5	CARBONDALE	CONANT	UNCLASSIFIED	3.5	371.5	
77.0	CARBONDALE		UNCLASSIFIED	5.0	375.0	SHALE ABOVE BRERETON LIMESTONE
72.0	CARBONDALE	BRERETON	LIMESTONE	3.0	380.0	
69.0	CARBONDALE	ANNA	BLACK SHALE	2.0	383.0	
67.0	CARBONDALE	HERRIN	COAL	6.0	385.0	

MAPID: 02702762000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 8 QUARTERS/FOOTAGES: 470' S line, 330' E line of SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.453125 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.63237 DATE COLLECTED: 5 / 0 / 1949

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 391.0 LOG TYPE: Electric Log

SOURCE: GOLDSMITH FRED L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	LIMESTONE	5.0	337.0	
101.0	MODESTO		UNCLASSIFIED	6.0	342.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.0	CARBONDALE		UNCLASSIFIED	14.0	348.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
81.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	362.0	
73.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	370.0	
69.0	CARBONDALE		UNCLASSIFIED	4.0	374.0	SHALE ABOVE BRERETON LIMESTONE
65.0	CARBONDALE	BRERETON	LIMESTONE	3.5	378.0	
61.5	CARBONDALE	ANNA	BLACK SHALE	2.5	381.5	
59.0	CARBONDALE	HERRIN	COAL	7.0	384.0	

MAPID: 02702763000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 8 QUARTERS/FOOTAGES: 1980' N line, 1650' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.453104 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.632842 DATE COLLECTED: 6 / 0 / 1951

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 393.0 LOG TYPE: Electric Log

SOURCE: HENDERSON P M WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
94.5	MODESTO	PIASA	LIMESTONE	4.0	341.5	
90.5	MODESTO		UNCLASSIFIED	3.5	345.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
87.0	CARBONDALE		UNCLASSIFIED	12.0	349.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
75.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	361.0	
69.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	367.0	
63.5	CARBONDALE		UNCLASSIFIED	5.5	372.5	SHALE ABOVE BRERETON LIMESTONE
58.0	CARBONDALE	BRERETON	LIMESTONE	4.0	378.0	
54.0	CARBONDALE	ANNA	BLACK SHALE	3.0	382.0	
51.0	CARBONDALE	HERRIN	COAL	8.0	385.0	

MAPID: 02702763000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 8 QUARTERS/FOOTAGES: 1980' N line, 1650' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.453104 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.632842 DATE COLLECTED:

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.0	MODESTO	PIASA	LIMESTONE	4.0	344.0	
88.0	MODESTO		SHALE	10.0	348.0	
78.0	CARBONDALE	DANVILLE	COAL	2.0	358.0	
76.0	CARBONDALE		SHALE	4.0	360.0	
72.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	364.0	
66.0	CARBONDALE	LAWSON	SHALE	12.0	370.0	
54.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	382.0	
50.0	CARBONDALE	ANNA	SHALE	2.0	386.0	
48.0	CARBONDALE	HERRIN	COAL	8.0	388.0	

MAPID: 02700542000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 9 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.434445 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630147 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 450.1 **LOGGED (FT.):** 1034.0 **LOG TYPE:**
SOURCE: COESTER **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.1	CARBONDALE	HERRIN	COAL	9.0	409.0	

MAPID: 02700542000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 9 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.434445 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.630147 **DATE COLLECTED:** 7 / 0 / 1940
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 417.0 **LOG TYPE:** Electric Log
SOURCE: COESTER J F **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	CARBONDALE		UNCLASSIFIED	4.0	383.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	387.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	395.0	
53.0	CARBONDALE		UNCLASSIFIED	5.0	399.0	SHALE ABOVE BRERETON LIMESTONE
48.0	CARBONDALE	BRERETON	LIMESTONE	4.0	404.0	
44.0	CARBONDALE	ANNA	BLACK SHALE	1.0	408.0	
43.0	CARBONDALE	HERRIN	COAL	8.0	409.0	

MAPID: 02701457000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 9 **QUARTERS/FOOTAGES:** 990' N line, 990' W line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.443827 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.635494 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 524.0 **LOG TYPE:** Electric Log
SOURCE: DUNNILL, JOHN F. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	SPRINGFIELD	COAL	-	413.0	
-71.0	CARBONDALE	COLCHESTER	COAL	-	524.0	

MAPID: 02701457000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 9 QUARTERS/FOOTAGES: 990' N line, 990' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.443827 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.635494 DATE COLLECTED: 12 / 0 / 1953

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 402.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.5	MODESTO	PIASA	LIMESTONE	4.0	351.5	
97.5	MODESTO		UNCLASSIFIED	4.5	355.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.0	CARBONDALE	DANVILLE	COAL	1.0	360.0	
92.0	CARBONDALE		UNCLASSIFIED	9.0	361.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	370.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	377.0	
73.0	CARBONDALE	CONANT	UNCLASSIFIED	3.5	380.0	
69.5	CARBONDALE		UNCLASSIFIED	5.0	383.5	SHALE ABOVE BRERETON LIMESTONE
64.5	CARBONDALE	BRERETON	LIMESTONE	3.5	388.5	
61.0	CARBONDALE	ANNA	BLACK SHALE	3.0	392.0	
58.0	CARBONDALE	HERRIN	COAL	7.0	395.0	

MAPID: 02702765000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 9 QUARTERS/FOOTAGES: 600' S line, 330' E line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.429757 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.632737 DATE COLLECTED: 9 / 0 / 1953

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 412.0 LOG TYPE: Electric Log

SOURCE: MURPHY K R WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	7.0	405.0	

MAPID: 02702767000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 9 QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.443769 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.628289 DATE COLLECTED: 10 / 0 / 1945

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 386.5 LOG TYPE: Electric Log

SOURCE: BLALACK, JOE WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO		UNCLASSIFIED	4.0	344.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE	DANVILLE	COAL	1.0	348.0	
82.0	CARBONDALE		UNCLASSIFIED	8.0	349.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
74.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	357.0	
67.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	364.0	
61.5	CARBONDALE		UNCLASSIFIED	4.5	369.5	SHALE ABOVE BRERETON LIMESTONE
57.0	CARBONDALE	BRERETON	LIMESTONE	4.0	374.0	
53.0	CARBONDALE	ANNA	BLACK SHALE	2.0	378.0	
51.0	CARBONDALE	HERRIN	COAL	6.5	380.0	

MAPID: 02702767000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 9 QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.443769 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.628289 DATE COLLECTED:

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 386.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	MODESTO	PIASA	LIMESTONE	4.0	341.0	
86.0	MODESTO		SHALE	6.0	345.0	
80.0	CARBONDALE		SHALE	5.0	351.0	
75.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	356.0	
69.0	CARBONDALE	LAWSON	SHALE	12.0	362.0	
57.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	374.0	
55.0	CARBONDALE	ANNA	SHALE	4.0	376.0	
51.0	CARBONDALE	HERRIN	COAL	6.0	380.0	

MAPID: 02703162000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.439106 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.631939 **DATE COLLECTED:** 9 / 0 / 1964
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 392.0 **LOG TYPE:** Electric Log
SOURCE: LELAND MONKEN **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	7.0	385.0	

MAPID: 02700110000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.425089 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637496 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1043.0 **LOG TYPE:**
SOURCE: OHIO OIL 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	5.0	417.0	

MAPID: 02700110000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.425089 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.637496 **DATE COLLECTED:** 6 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 422.0 **LOG TYPE:** Drillers Log
SOURCE: OHIO OIL CO., THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	5.0	417.0	

MAPID: 02700111000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.425119 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632041 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 460.6 **LOGGED (FT.):** 1048.0 **LOG TYPE:**
SOURCE: OHIO OIL 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.6	CARBONDALE	HERRIN	COAL	7.0	430.0	

MAPID: 02700111000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.425119 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.632041 **DATE COLLECTED:** 9 / 0 / 1911
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 437.0 **LOG TYPE:** Drillers Log
SOURCE: OHIO OIL CO., THE **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.0	CARBONDALE	HERRIN	COAL	7.0	430.0	

MAPID: 02700112000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** 207' N line, 206' E line of SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.420056 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630627 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1059.0 **LOG TYPE:**
SOURCE: GILLESPIE 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	HERRIN	COAL	7.0	424.0	

MAPID: 02700113000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415796 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.6376 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1058.0 **LOG TYPE:**
SOURCE: SURPASS OG0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	8.0	412.0	

MAPID: 02700113000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415796 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.6376 **DATE COLLECTED:** 5 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 420.0 **LOG TYPE:** Drillers Log
SOURCE: SURPASS OIL & GAS **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	8.0	412.0	

MAPID: 02700114000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SE/c NE NW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415796 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.6376 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: SURPASS OG0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	6.0	415.0	

MAPID: 02700116000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** 165' N line, 165' W line of NW NW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.418696 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.638019 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1074.0 **LOG TYPE:**
SOURCE: SURPASS OG0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	10.0	422.0	

MAPID: 02700117000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.420493 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630287 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 1057.0 **LOG TYPE:**
SOURCE: GILLESPIE 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	HERRIN	COAL	7.0	424.0	

MAPID: 02700118000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** E2
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.414684 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.631269 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: SURPASS OG0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	HERRIN	COAL	7.0	426.0	

MAPID: 02700119000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SE NW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415812 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.635789 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: SURPASS OG0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	8.0	428.0	

MAPID: 02700120000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415838 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632162 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: SURPASS OG0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	HERRIN	COAL	8.0	427.0	

MAPID: 02700121000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415825 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.633975 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1062.0 **LOG TYPE:**
SOURCE: SURPASS OG0008 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	HERRIN	COAL	7.0	427.0	

MAPID: 02700122000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.418161 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632133 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1063.0 **LOG TYPE:**
SOURCE: SURPASS OG0009 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	12.0	420.0	

MAPID: 02700123000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW/c SE SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415838 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632162 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1068.0 **LOG TYPE:**
SOURCE: SURPASS OG 10 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.0	CARBONDALE	HERRIN	COAL	6.0	422.0	

MAPID: 02700124000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.420442 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637548 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 1100.0 **LOG TYPE:**
SOURCE: TREAT CRAW0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	6.0	420.0	

MAPID: 02700126000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.422766 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637522 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:**
SOURCE: TREAT CRAW0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
35.0	CARBONDALE	HERRIN	COAL	9.0	433.0	

MAPID: 02700127000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.42048 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632101 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1058.0 **LOG TYPE:**
SOURCE: TREAT CRAW0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	6.0	418.0	

MAPID: 02700128000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.4228 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632072 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1055.0 **LOG TYPE:**
SOURCE: TREAT CRAW0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	8.0	427.0	

MAPID: 02700129000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.420518 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.626654 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1180.0 **LOG TYPE:**
SOURCE: HERVEY 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
33.0	CARBONDALE	HERRIN	COAL	7.0	433.0	

MAPID: 02700130000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415796 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.6376 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: SURPASS OG 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	10.0	413.0	

MAPID: 02700131000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413489 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.635815 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 1063.0 **LOG TYPE:**
SOURCE: SURPASS OG0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	7.0	423.0	

MAPID: 02700132000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NW/c NE NE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.41115 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637655 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1069.0 **LOG TYPE:**
SOURCE: SURPASS OG0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	7.0	420.0	

MAPID: 02700133000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413489 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.635815 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1063.0 **LOG TYPE:**
SOURCE: SURPASS OG0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	HERRIN	COAL	5.0	429.0	

MAPID: 02700134000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.41115 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637655 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 914.0 **LOG TYPE:**
SOURCE: SURPASS OG0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	CARBONDALE	HERRIN	COAL	8.0	430.0	

MAPID: 02700135000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413518 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.63219 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:**
SOURCE: SURPASS OG 7 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.0	CARBONDALE	HERRIN	COAL	3.0	425.0	

MAPID: 02700136000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413502 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.634004 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1065.0 **LOG TYPE:**
SOURCE: SURPASS OG0008 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	10.0	422.0	

MAPID: 02700137000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413518 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.63219 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1062.0 **LOG TYPE:**
SOURCE: SURPASS OG0009 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	CARBONDALE	HERRIN	COAL	5.0	425.0	

MAPID: 02700138000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413489 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.635815 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 1059.0 **LOG TYPE:**
SOURCE: SURPASS OG0012 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
45.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02700139000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.412319 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.636733 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 469.5 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: SURPASS OG0013 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.5	CARBONDALE	HERRIN	COAL	6.0	428.0	

MAPID: 0270014000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** 2705' S line, 800' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.412861 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.631516 **DATE COLLECTED:** 0 / 0 / 1912
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: OHIO OIL 0024 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	CARBONDALE	HERRIN	COAL	7.0	423.0	

MAPID: 02700141000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415854 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630348 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1062.0 **LOG TYPE:**
SOURCE: OHIO OIL 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	HERRIN	COAL	8.0	427.0	

MAPID: 02700141000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415854 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.630348 **DATE COLLECTED:** 6 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 435.0 **LOG TYPE:** Drillers Log
SOURCE: OHIO OIL CO., THE **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	HERRIN	COAL	8.0	427.0	

MAPID: 02700142000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415854 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630348 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 905.0 **LOG TYPE:**
SOURCE: OHIO OIL 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	HERRIN	COAL	8.0	427.0	

MAPID: 02700143000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.418173 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630316 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:**
SOURCE: OHIO OIL 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	HERRIN	COAL	7.0	426.0	

MAPID: 02700144000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.415854 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630348 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:**
SOURCE: OHIO OIL 0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	10.0	415.0	

MAPID: 02700145000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.418199 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.626689 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1067.0 **LOG TYPE:**
SOURCE: OHIO OIL 0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	HERRIN	COAL	10.0	441.0	

MAPID: 02700146000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.418186 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.628502 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1056.0 **LOG TYPE:**
SOURCE: OHIO OIL 0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
29.0	CARBONDALE	HERRIN	COAL	5.0	438.0	

MAPID: 02700147000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413534 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630379 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 1065.0 **LOG TYPE:**
SOURCE: SINNING 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.0	CARBONDALE	HERRIN	COAL	8.0	420.0	

MAPID: 02700155000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.413473 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637623 **DATE COLLECTED:** 0 / 0 / 1924
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 2602.0 **LOG TYPE:**
SOURCE: OHIO OIL 0030 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	CARBONDALE	HERRIN	COAL	8.0	412.0	

MAPID: 02700306000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** 660' N line, 200' E line of SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.420043 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.629379 **DATE COLLECTED:** 0 / 0 / 1927
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	CARBONDALE	HERRIN	COAL	8.0	418.0	

MAPID: 02700306000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 10 **QUARTERS/FOOTAGES:** 660' N line, 200' E line of SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.420043 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.629379 **DATE COLLECTED:** 8 / 0 / 1927
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 426.0 **LOG TYPE:** Drillers Log
SOURCE: NO COMPANY **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	CARBONDALE	HERRIN	COAL	8.0	418.0	

MAPID: 02700308000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 1120' S line, 200' E line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.410721 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.634413 DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 0.0 LOG TYPE:

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	HERRIN	COAL	10.0	400.0	
35.0	CARBONDALE	SPRINGFIELD	COAL	6.0	430.0	

MAPID: 02700309000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 600' N line, 220' E line of NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.420059 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.636805 DATE COLLECTED: 0 / 0 / 1927

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 1060.0 LOG TYPE:

SOURCE: NO COMPANY 2 WELL TYPE: Oil and Gas Test

COMMENT: SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	13.0	432.0	

MAPID: 02701458000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 2310' N line, 1980' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.416996 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.632151 DATE COLLECTED: 12 / 0 / 1947

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 434.5 LOG TYPE: Electric Log

SOURCE: MURPHY WILLIAM R WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
86.0	MODESTO	PIASA	LIMESTONE	6.0	381.0	
80.0	MODESTO		UNCLASSIFIED	4.0	387.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.0	CARBONDALE		UNCLASSIFIED	10.0	391.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	401.0	
58.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	8.0	409.0	
50.0	CARBONDALE	CONANT	UNCLASSIFIED	4.0	417.0	
46.0	CARBONDALE		UNCLASSIFIED	2.0	421.0	SHALE ABOVE BRERETON LIMESTONE
44.0	CARBONDALE	BRERETON	LIMESTONE	2.0	423.0	
42.0	CARBONDALE	ANNA	BLACK SHALE	3.0	425.0	
39.0	CARBONDALE	HERRIN	COAL	6.5	428.0	

MAPID: 02701458000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 2310' N line, 1980' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.416996

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.632151

DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0

LOGGED (FT.): 439.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	6.0	385.0	
79.0	MODESTO		SHALE	9.0	391.0	
70.0	CARBONDALE	DANVILLE	COAL	2.0	400.0	
68.0	CARBONDALE		SHALE	3.0	402.0	
65.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	405.0	
59.0	CARBONDALE	LAWSON	SHALE	11.0	411.0	
48.0	CARBONDALE	BRERETON	LIMESTONE	7.0	422.0	
41.0	CARBONDALE	ANNA	SHALE	2.0	429.0	
39.0	CARBONDALE	HERRIN	COAL	8.0	431.0	

MAPID: 02701458000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 2310' N line, 1980' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.416996

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.632151

DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0

LOGGED (FT.): 2519.0

LOG TYPE: Electric Log

SOURCE: MURPHY WILLIAM R

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
17.0	CARBONDALE	SPRINGFIELD	COAL	-	450.0	
-85.0	CARBONDALE	COLCHESTER	COAL	-	552.0	
-530.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	997.0	
-2002.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2469.0	TOP OF NEW ALBANY
-2016.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2483.0	
-2052.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2519.0	BASE OF NEW ALBANY

MAPID: 02702769000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.415825 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.63397 DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 564.0 LOG TYPE: Electric Log

SOURCE: WEHNER RALPH C WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	UNCLASSIFIED	-	382.0	
69.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	398.0	
40.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	427.0	
-13.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	480.0	
-51.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	518.0	
-97.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	564.0	

MAPID: 02702769000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.415825 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.63397 DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: WEHNER RALPH C WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.0	MODESTO	PIASA	LIMESTONE	4.0	383.0	
80.0	MODESTO		UNCLASSIFIED	4.0	387.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.0	CARBONDALE	DANVILLE	COAL	1.0	391.0	
75.0	CARBONDALE		UNCLASSIFIED	12.0	392.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
63.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	404.0	
55.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	412.0	
50.0	CARBONDALE		UNCLASSIFIED	4.0	417.0	SHALE ABOVE BRERETON LIMESTONE
46.0	CARBONDALE	BRERETON	LIMESTONE	3.0	421.0	
43.0	CARBONDALE	ANNA	BLACK SHALE	3.0	424.0	
40.0	CARBONDALE	HERRIN	COAL	7.0	427.0	

MAPID: 02702777000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.418183 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.6285 DATE COLLECTED: 10 / 0 / 1954

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 432.0 LOG TYPE: Electric Log

SOURCE: DIDIER R E WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.5	MODESTO	PIASA	LIMESTONE	4.5	380.5	
81.0	MODESTO		UNCLASSIFIED	4.0	385.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.0	CARBONDALE		UNCLASSIFIED	11.0	389.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	400.0	
59.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.5	407.0	
52.5	CARBONDALE	CONANT	UNCLASSIFIED	3.5	413.5	
49.0	CARBONDALE		UNCLASSIFIED	3.5	417.0	SHALE ABOVE BRERETON LIMESTONE
45.5	CARBONDALE	BRERETON	LIMESTONE	2.5	420.5	
43.0	CARBONDALE	ANNA	BLACK SHALE	2.0	423.0	
41.0	CARBONDALE	HERRIN	COAL	7.0	425.0	

MAPID: 02702778000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 10 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.415899 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.624912 DATE COLLECTED: 7 / 0 / 1952

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 432.0 LOG TYPE: Electric Log

SOURCE: EDENS & WATTLEWORTH WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
86.0	MODESTO	PIASA	LIMESTONE	5.0	382.0	
81.0	MODESTO		UNCLASSIFIED	3.0	387.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
78.0	CARBONDALE	DANVILLE	COAL	1.0	390.0	
77.0	CARBONDALE		UNCLASSIFIED	11.0	391.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	402.0	
59.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	409.0	
53.0	CARBONDALE		UNCLASSIFIED	6.0	415.0	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	2.0	421.0	
45.0	CARBONDALE	ANNA	BLACK SHALE	2.0	423.0	
43.0	CARBONDALE	HERRIN	COAL	7.0	425.0	

MAPID: 02700148000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** 2825' N line, 4100' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.405713 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.63087 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 468.2 **LOGGED (FT.):** 1081.0 **LOG TYPE:**
SOURCE: EWING MARQ0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.2	CARBONDALE	HERRIN	COAL	7.0	420.0	

MAPID: 02700148000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** 2825' N line, 4100' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.405713 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.63087 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 427.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	CARBONDALE	HERRIN	COAL	7.0	420.0	

MAPID: 02700149000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406556 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.626868 **DATE COLLECTED:** 0 / 0 / 1912
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1241.0 **LOG TYPE:**
SOURCE: OHIO OIL **WELL TYPE:** Oil and Gas Test
COMMENT: LOCATION AND SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	CARBONDALE	HERRIN	COAL	11.0	418.0	

MAPID: 02700150000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408823 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637692 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1066.0 **LOG TYPE:**
SOURCE: SURPASS OG0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	6.0	430.0	

MAPID: 0270015000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408823 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.637692 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 436.0 **LOG TYPE:** Drillers Log
SOURCE: RANGER F B **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	6.0	430.0	

MAPID: 02700151000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406492 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637745 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 1063.0 **LOG TYPE:**
SOURCE: SURPASS OG0011 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	CARBONDALE	HERRIN	COAL	4.0	435.0	

MAPID: 02700152000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.404162 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637798 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 472.5 **LOGGED (FT.):** 1066.0 **LOG TYPE:**
SOURCE: SURPASS OG0014 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
35.5	CARBONDALE	HERRIN	COAL	7.0	437.0	

MAPID: 02700153000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.404162 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637798 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 1067.0 **LOG TYPE:**
SOURCE: SURPASS OG0015 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
33.0	CARBONDALE	HERRIN	COAL	10.0	441.0	

MAPID: 02700154000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.401828 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.637849 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 1066.0 **LOG TYPE:**
SOURCE: SURPASS OG0016 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	CARBONDALE	HERRIN	COAL	6.0	439.0	

MAPID: 02700156000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.408865 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632258 **DATE COLLECTED:** 0 / 0 / 1925
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:**
SOURCE: OHIO OIL 0025 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	HERRIN	COAL	7.0	425.0	

MAPID: 02700157000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406524 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632306 **DATE COLLECTED:** 0 / 0 / 1912
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 1066.0 **LOG TYPE:**
SOURCE: OHIO OIL 0026 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	HERRIN	COAL	7.0	420.0	

MAPID: 02700544000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' W line of SW SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.399506

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.632452

DATE COLLECTED: 7 / 0 / 1940

SURFACE ELEVATION (FT.): 473.0

LOGGED (FT.): 565.0

LOG TYPE: Electric Log

SOURCE: SOUTHERN PETROLEUM

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	432.0	
15.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	-	458.0	
-17.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	490.0	
-43.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	516.0	
-92.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	565.0	

MAPID: 02700544000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' W line of SW SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.399506

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.632452

DATE COLLECTED: 7 / 0 / 1940

SURFACE ELEVATION (FT.): 473.0

LOGGED (FT.): 439.0

LOG TYPE: Electric Log

SOURCE: SOUTHERN PETROLEUM

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO	PIASA	LIMESTONE	5.5	386.0	
81.5	MODESTO		UNCLASSIFIED	5.0	391.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.5	CARBONDALE		UNCLASSIFIED	11.0	396.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	407.5	
57.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	415.5	
51.5	CARBONDALE	CONANT	UNCLASSIFIED	3.5	421.5	
48.0	CARBONDALE		UNCLASSIFIED	1.5	425.0	SHALE ABOVE BRERETON LIMESTONE
46.5	CARBONDALE	BRERETON	LIMESTONE	3.0	426.5	
43.5	CARBONDALE	ANNA	BLACK SHALE	3.5	429.5	
40.0	CARBONDALE	HERRIN	COAL	6.0	433.0	

MAPID: 02701459000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.39243 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.628945 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 451.0 LOG TYPE: Electric Log

SOURCE: PRUETT T M WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.0	MODESTO	PIASA	LIMESTONE	3.0	400.0	
70.0	MODESTO		UNCLASSIFIED	5.0	403.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
65.0	CARBONDALE		UNCLASSIFIED	10.0	408.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
55.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	418.0	
47.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	426.0	
42.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	431.0	
39.0	CARBONDALE		UNCLASSIFIED	4.0	434.0	SHALE ABOVE BRERETON LIMESTONE
35.0	CARBONDALE	BRERETON	LIMESTONE	5.5	438.0	
29.5	CARBONDALE	ANNA	BLACK SHALE	1.5	443.5	
28.0	CARBONDALE	HERRIN	COAL	6.0	445.0	

MAPID: 02701460000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 11 QUARTERS/FOOTAGES: SW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.408839 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.63588 DATE COLLECTED: 8 / 0 / 1950

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 427.0 LOG TYPE: Electric Log

SOURCE: BOYD, L. K. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
93.0	MODESTO	PIASA	LIMESTONE	5.5	377.0	
87.5	MODESTO		UNCLASSIFIED	3.5	382.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
84.0	CARBONDALE		UNCLASSIFIED	11.0	386.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
73.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	397.0	
65.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	405.0	
61.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	409.0	
60.0	CARBONDALE		UNCLASSIFIED	4.5	410.0	SHALE ABOVE BRERETON LIMESTONE
55.5	CARBONDALE	BRERETON	LIMESTONE	2.5	414.5	
53.0	CARBONDALE	ANNA	BLACK SHALE	4.0	417.0	
49.0	CARBONDALE	HERRIN	COAL	6.0	421.0	

MAPID: 0270146000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 11 QUARTERS/FOOTAGES: SW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.408839

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.63588

DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 431.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	MODESTO	PIASA	LIMESTONE	6.0	380.0	
84.0	MODESTO		SHALE	10.0	386.0	
74.0	CARBONDALE	DANVILLE	COAL	2.0	396.0	
72.0	CARBONDALE		SHALE	2.0	398.0	
70.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	400.0	
63.0	CARBONDALE	LAWSON	SHALE	11.0	407.0	
52.0	CARBONDALE	BRERETON	LIMESTONE	2.0	418.0	
50.0	CARBONDALE	ANNA	SHALE	4.0	420.0	
46.0	CARBONDALE	HERRIN	COAL	7.0	424.0	

MAPID: 02701745000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.399502

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.637899

DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 449.0

LOG TYPE: Electric Log

SOURCE: FRANK & BASSETT

WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	6.0	396.0	
71.0	MODESTO		UNCLASSIFIED	5.0	402.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.0	CARBONDALE		UNCLASSIFIED	11.0	407.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
55.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	418.0	
47.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	426.0	
43.0	CARBONDALE		UNCLASSIFIED	5.0	430.0	SHALE ABOVE BRERETON LIMESTONE
38.0	CARBONDALE	BRERETON	LIMESTONE	5.0	435.0	
33.0	CARBONDALE	ANNA	BLACK SHALE	3.0	440.0	
30.0	CARBONDALE	HERRIN	COAL	6.0	443.0	

MAPID: 02700158000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 12 QUARTERS/FOOTAGES: 165' N line, 165' W line of NW SE NW
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.386095 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.63493 DATE COLLECTED: 0 / 0 / 1911
 SURFACE ELEVATION (FT.): 477.6 LOGGED (FT.): 1090.0 LOG TYPE:
 SOURCE: OHIO OIL 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.6	CARBONDALE	HERRIN	COAL	9.0	424.0	

MAPID: 02700158000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 12 QUARTERS/FOOTAGES: 165' N line, 165' W line of NW SE NW
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.386095 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.63493 DATE COLLECTED: 5 / 0 / 1911
 SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 432.0 LOG TYPE: Drillers Log
 SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
54.0	CARBONDALE	HERRIN	COAL	8.0	424.0	

MAPID: 02701534000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SW
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.385502 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.625344 DATE COLLECTED: 3 / 0 / 1957
 SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 595.0 LOG TYPE: Electric Log
 SOURCE: ROBBEN ROBERT H WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
409.0	BOND	CARTHAGE	UNCLASSIFIED	-	63.0	
22.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	450.0	
-2.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	-	474.0	
-40.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	512.0	
-73.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	545.0	
-123.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	595.0	

MAPID: 02701534000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.385502 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.625344 DATE COLLECTED: 3 / 0 / 1957

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 475.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
32.0	CARBONDALE		UNCLASSIFIED	3.0	440.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
29.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	443.0	
22.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	450.0	
17.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	455.0	
14.0	CARBONDALE		UNCLASSIFIED	4.0	458.0	SHALE ABOVE BRERETON LIMESTONE
10.0	CARBONDALE	BRERETON	LIMESTONE	4.0	462.0	
6.0	CARBONDALE	ANNA	BLACK SHALE	3.0	466.0	
3.0	CARBONDALE	HERRIN	COAL	6.0	469.0	

MAPID: 02701534000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.385502 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.625344 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 2597.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-8.0	CARBONDALE	SPRINGFIELD	COAL	-	480.0	
-128.0	CARBONDALE	COLCHESTER	COAL	-	600.0	
-548.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1020.0	
-2072.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2544.0	TOP OF NEW ALBANY
-2092.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2564.0	
-2125.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2597.0	BASE OF NEW ALBANY

MAPID: 02700159000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.393675 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.615281 DATE COLLECTED: 0 / 0 / 1991

SURFACE ELEVATION (FT.): 469.5 LOGGED (FT.): 703.0 LOG TYPE:

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
33.5	CARBONDALE	HERRIN	COAL	4.5	436.0	

MAPID: 02700159000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.393675 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.615281 DATE COLLECTED: 6 / 0 / 1891

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 441.5 LOG TYPE: Drillers Log

SOURCE: NO COMPANY WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
33.0	CARBONDALE	HERRIN	COAL	4.5	437.0	

MAPID: 02700160000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.408992 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.615865 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 465.5 LOGGED (FT.): 1082.0 LOG TYPE:

SOURCE: BELL BROS 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
18.5	CARBONDALE	HERRIN	COAL	8.0	447.0	

MAPID: 02700160000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.408992 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.615865 DATE COLLECTED: 6 / 0 / 1911

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 456.0 LOG TYPE: Drillers Log

SOURCE: BELL BROTHERS WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
18.0	CARBONDALE	HERRIN	COAL	8.0	448.0	

MAPID: 02701420000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.408967 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.621356 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 2546.0 LOG TYPE: Electric Log

SOURCE: EDENS & WATTLEWORTH WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
12.0	CARBONDALE	SPRINGFIELD	COAL	-	452.0	
-81.0	CARBONDALE	COLCHESTER	COAL	-	545.0	
-540.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1004.0	
-2026.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2490.0	TOP OF NEW ALBANY
-2046.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2510.0	
-2082.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2546.0	BASE OF NEW ALBANY

MAPID: 02703318000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.392474 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.618032 DATE COLLECTED: 3 / 0 / 1967

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 448.0 LOG TYPE: Electric Log

SOURCE: ERNEST, R. D. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	MODESTO	PIASA	LIMESTONE	2.0	402.0	
67.0	MODESTO		UNCLASSIFIED	4.0	404.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
63.0	CARBONDALE		UNCLASSIFIED	10.5	408.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
52.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	418.5	
45.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	426.0	
41.0	CARBONDALE		UNCLASSIFIED	4.0	430.0	SHALE ABOVE BRERETON LIMESTONE
37.0	CARBONDALE	BRERETON	LIMESTONE	3.0	434.0	
34.0	CARBONDALE	ANNA	BLACK SHALE	4.0	437.0	
30.0	CARBONDALE	HERRIN	COAL	7.0	441.0	

MAPID: 02703318000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.392474 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.618032 DATE COLLECTED:

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 448.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	MODESTO		SHALE	15.0	400.0	
56.0	CARBONDALE		SHALE	5.0	415.0	
51.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	420.0	
47.0	CARBONDALE	LAWSON	SHALE	11.5	424.0	
35.5	CARBONDALE	BRERETON	LIMESTONE	1.5	435.5	
34.0	CARBONDALE	ANNA	SHALE	4.0	437.0	
30.0	CARBONDALE	HERRIN	COAL	7.0	441.0	

MAPID: 02725066000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 14 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.399501 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.623358 DATE COLLECTED: 0 / 0 / 1979

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 485.0 LOG TYPE: Electric Log

SOURCE: FREEMAN UNITED CAR-3-79 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.0	SHELBURN	DANVILLE	COAL	1.5	395.0	
43.0	CARBONDALE	HERRIN	COAL	7.3	425.0	

MAPID: 02701450000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 990' W line of SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.425299 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.615617 DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 2534.0 LOG TYPE: Electric Log

SOURCE: WEIDLER W E WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-87.0	CARBONDALE	COLCHESTER	COAL	-	544.0	
-563.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1020.0	
-2026.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2483.0	TOP OF NEW ALBANY
-2043.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2500.0	
-2077.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2534.0	BASE OF NEW ALBANY

MAPID: 02702784000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.413609 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.621282 DATE COLLECTED: 3 / 0 / 1952

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 431.0 LOG TYPE: Electric Log

SOURCE: EDENS & WATTLEWORTH WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	3.5	384.0	
73.5	MODESTO		UNCLASSIFIED	1.0	387.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
72.5	CARBONDALE	DANVILLE	COAL	1.5	388.5	
71.0	CARBONDALE		UNCLASSIFIED	9.0	390.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
62.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	399.0	
55.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	406.0	
50.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	411.0	
48.0	CARBONDALE		UNCLASSIFIED	5.0	413.0	SHALE ABOVE BRERETON LIMESTONE
43.0	CARBONDALE	BRERETON	LIMESTONE	3.0	418.0	
40.0	CARBONDALE	ANNA	BLACK SHALE	2.0	421.0	
38.0	CARBONDALE	HERRIN	COAL	8.0	423.0	

MAPID: 02703202000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 15 QUARTERS/FOOTAGES: 890' N line, 950' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.413471 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.621581 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 429.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO		SHALE	15.0	377.0	
72.0	CARBONDALE		SHALE	6.0	392.0	
66.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	398.0	
61.0	CARBONDALE	LAWSON	SHALE	12.0	403.0	
49.0	CARBONDALE	BRERETON	LIMESTONE	2.0	415.0	
47.0	CARBONDALE	ANNA	SHALE	4.0	417.0	
43.0	CARBONDALE	HERRIN	COAL	8.0	421.0	

MAPID: 02703210000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.415968 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.617582 DATE COLLECTED: 4 / 0 / 1965

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 421.0 LOG TYPE: Electric Log

SOURCE: TAPROOT PETRO., INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	CARBONDALE	DANVILLE	COAL	1.0	383.0	
84.0	CARBONDALE		UNCLASSIFIED	8.5	384.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
75.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	392.5	
67.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	400.5	
62.5	CARBONDALE		UNCLASSIFIED	4.5	405.5	SHALE ABOVE BRERETON LIMESTONE
58.0	CARBONDALE	BRERETON	LIMESTONE	2.0	410.0	
56.0	CARBONDALE	ANNA	BLACK SHALE	3.0	412.0	
53.0	CARBONDALE	HERRIN	COAL	6.0	415.0	

MAPID: 02724902000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 15 QUARTERS/FOOTAGES: 360' N line, 849' W line of NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.425674 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.622859 DATE COLLECTED: 5 / 25 / 1978

SURFACE ELEVATION (FT.): LOGGED (FT.): 426.8 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16629C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.8	411.5	

MAPID: 02701451000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 16 QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.439212 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.611896 DATE COLLECTED: 3 / 0 / 1953

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 417.5 LOG TYPE: Electric Log

SOURCE: PRUETT T M WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
74.0	CARBONDALE		UNCLASSIFIED	9.0	376.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	385.0	
56.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	394.0	
51.0	CARBONDALE		UNCLASSIFIED	5.0	399.0	SHALE ABOVE BRERETON LIMESTONE
46.0	CARBONDALE	BRERETON	LIMESTONE	4.0	404.0	
42.0	CARBONDALE	ANNA	BLACK SHALE	2.0	408.0	
40.0	CARBONDALE	HERRIN	COAL	7.5	410.0	

MAPID: 02701451000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 16 QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.439212 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.611896 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	MODESTO	PIASA	SANDSTONE	5.0	360.0	
75.0	MODESTO		SHALE	7.0	365.0	
68.0	CARBONDALE		SHALE	4.0	372.0	
64.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	376.0	
58.0	CARBONDALE	LAWSON	SHALE	13.0	382.0	
45.0	CARBONDALE	BRERETON	LIMESTONE	3.0	395.0	
42.0	CARBONDALE	ANNA	SHALE	2.0	398.0	
40.0	CARBONDALE	HERRIN	COAL	8.0	400.0	

MAPID: 02701451000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 16 QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.439212 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.611896 DATE COLLECTED: 3 / 0 / 1953

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 500.0 LOG TYPE: Electric Log

SOURCE: PRUETT T M WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	370.0	
50.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	400.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
0.0	CARBONDALE	SURVANT - UPPER	UNCLASSIFIED	-	450.0	
-25.0	CARBONDALE	SURVANT - LOWER	UNCLASSIFIED	-	475.0	
-50.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	500.0	

MAPID: 02703257000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.432143 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.622879 DATE COLLECTED: 12 / 0 / 1965

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 415.0 LOG TYPE: Electric Log

SOURCE: HUDSON & MANSFIELD WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	CARBONDALE	HERRIN	COAL	5.0	410.0	

MAPID: 02701421000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 17 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.478229 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.571947 DATE COLLECTED: 11 / 0 / 1951

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 384.5 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.0	MODESTO	PIASA	LIMESTONE	4.0	346.0	
95.0	MODESTO		UNCLASSIFIED	4.0	350.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
91.0	CARBONDALE		UNCLASSIFIED	13.0	354.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
78.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	367.0	
73.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	372.0	
71.0	CARBONDALE		UNCLASSIFIED	2.0	374.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	ANNA	BLACK SHALE	2.0	376.0	
67.0	CARBONDALE	HERRIN	COAL	6.5	378.0	

MAPID: 02701421000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 17 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.478229 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.571947 DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 382.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	5.0	345.0	
95.0	MODESTO		SHALE	11.0	350.0	
84.0	CARBONDALE	DANVILLE	BONE COAL	2.0	361.0	
82.0	CARBONDALE		SHALE	4.0	363.0	
78.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	367.0	
73.0	CARBONDALE	LAWSON	SHALE	6.0	372.0	
67.0	CARBONDALE	HERRIN	COAL	4.0	378.0	

MAPID: 02701421000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 17 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.478229 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.571947 DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 2373.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
13.0	CARBONDALE	SPRINGFIELD	COAL	-	432.0	
-63.0	CARBONDALE	COLCHESTER	COAL	-	508.0	
-608.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1053.0	
-1884.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2329.0	TOP OF NEW ALBANY
-1903.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2348.0	
-1928.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2373.0	BASE OF NEW ALBANY

MAPID: 02701816000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 18 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.471072 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.615748 DATE COLLECTED: 9 / 0 / 1960

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 375.5 LOG TYPE: Electric Log

SOURCE: PEP DRILLING COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	4.0	333.0	
96.0	MODESTO		UNCLASSIFIED	3.0	337.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.0	CARBONDALE		UNCLASSIFIED	10.0	340.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	350.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	357.0	
72.0	CARBONDALE		UNCLASSIFIED	4.0	361.0	SHALE ABOVE BRERETON LIMESTONE
68.0	CARBONDALE	BRERETON	LIMESTONE	3.0	365.0	
65.0	CARBONDALE	ANNA	BLACK SHALE	2.0	368.0	
63.0	CARBONDALE	HERRIN	COAL	5.5	370.0	

MAPID: 02701816000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 18 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.471072 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.615748 DATE COLLECTED:

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 375.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	3.0	335.0	
97.0	MODESTO		SHALE	10.0	338.0	
87.0	CARBONDALE		SHALE	5.0	348.0	
82.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	353.0	
78.0	CARBONDALE	LAWSON	SHALE	11.0	357.0	
67.0	CARBONDALE	HERRIN	COAL	7.0	368.0	

MAPID: 02703652000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 19 QUARTERS/FOOTAGES: 1980' N line, 0' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.479165

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.604017

DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 407.0

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8358C

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.0	MODESTO	PIASA	LIMESTONE	2.8	367.0	
75.2	MODESTO		GRAY SHALE	10.6	369.8	
64.6	CARBONDALE	DANVILLE	COAL	1.1	380.4	
63.5	CARBONDALE		GRAY SHALE	2.3	381.5	
61.2	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	383.8	UPPER BENCH
56.2	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.7	388.8	SHALE PARTING
55.5	CARBONDALE	BANKSTON FORK	LIMESTONE	1.2	389.5	LOWER BENCH
54.3	CARBONDALE	LAWSON	GRAY SHALE	6.3	390.7	
48.0	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	1.8	397.0	
46.2	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	1.4	398.8	
44.8	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	0.8	400.2	
44.0	CARBONDALE	HERRIN	COAL	6.0	401.0	

MAPID: 02703652000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 19 QUARTERS/FOOTAGES: 1980' N line, 0' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.479165

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.604017

DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 408.0

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8358C

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.2	MODESTO	PIASA	LIMESTONE	2.8	367.8	
74.4	MODESTO		UNCLASSIFIED	4.1	370.6	
70.3	CARBONDALE		UNCLASSIFIED	9.9	374.7	
60.4	CARBONDALE	BANKSTON FORK	LIMESTONE	6.9	384.6	
53.5	CARBONDALE	ANVIL ROCK	SANDSTONE	6.3	391.5	
47.2	CARBONDALE	CONANT	LIMESTONE	2.3	397.8	
44.9	CARBONDALE	JAMESTOWN	COAL	0.1	400.1	
44.8	CARBONDALE		SHALE	0.9	400.2	
43.9	CARBONDALE	BRERETON	LIMESTONE	0.9	401.1	
43.0	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02703652000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 19 **QUARTERS/FOOTAGES:** 1980' N line, 0' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.479165 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.604017 **DATE COLLECTED:** 1 / 23 / 1969
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 409.0 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8358C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.7	SHELburn	JAMESTOWN	COAL	0.2	400.3	
43.5	CARBONDALE	HERRIN	COAL	5.8	401.5	

MAPID: 02724887000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 19 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.478004 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.604914 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 2360.0 **LOG TYPE:** Electric Log
SOURCE: SMALLLEY, PETER **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-463.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	912.0	
-1869.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2318.0	TOP OF NEW ALBANY
-1883.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2332.0	
-1911.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2360.0	BASE OF NEW ALBANY

MAPID: 02700430000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 21 **QUARTERS/FOOTAGES:** 1320' S line, 650' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.445092 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.598111 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 451.1 **LOGGED (FT.):** 1335.0 **LOG TYPE:**
SOURCE: THOMAS AC **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
37.1	CARBONDALE	HERRIN	COAL	9.0	414.0	

MAPID: 02700430000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 21 **QUARTERS/FOOTAGES:** 1320' S line, 650' W line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.445092 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.598111 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 422.0 **LOG TYPE:** Drillers Log
SOURCE: THOMAS, A. C., ETAL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	9.0	413.0	

MAPID: 02703378000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 21 **QUARTERS/FOOTAGES:** 100' N line, 50' E line of NW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.433655 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.601578 **DATE COLLECTED:** 11 / 0 / 1952
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 419.0 **LOG TYPE:** Electric Log
SOURCE: SUN PRODUCTION COMPANY **WELL TYPE:** Structure Test
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	CARBONDALE	HERRIN	COAL	6.0	413.0	

MAPID: 02724903000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 21 **QUARTERS/FOOTAGES:** 47' S line, 1267' W line of SW SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.442949 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.594612 **DATE COLLECTED:** 4 / 2 / 1978
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 416.3 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 16627C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	8.6	401.0	REMOVED BY CO.

MAPID: 02700161000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 22 **QUARTERS/FOOTAGES:** NW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.426546 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.607363 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 460.6 **LOGGED (FT.):** 404.0 **LOG TYPE:**
SOURCE: BECKEMEYER A **WELL TYPE:** Underground mine
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
27.6	CARBONDALE	HERRIN	COAL	8.6	433.0	

MAPID: 02700161000C VERSION: 2

PROJECT: NCRDS87

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 22 QUARTERS/FOOTAGES: NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.426546 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 38.607363 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.6 LOGGED (FT.): 404.0 LOG TYPE: Drillers Log

SOURCE: BREESE TRENTON MINING CO. WELL TYPE: Mine Shaft

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
460.6			UNCONSOLIDATED	70.0	0.0	
390.6	BOND	CARTHAGE	LIMESTONE	9.0	70.0	
381.6	MODESTO		COAL	0.3	79.0	
381.3	MODESTO		BLACK SHALE	10.0	79.3	
371.3	MODESTO		SHALE	27.4	89.3	
343.8	MODESTO		SANDSTONE	7.0	116.8	
336.8	MODESTO		SHALE	24.0	123.8	
312.8	MODESTO		SANDSTONE	14.0	147.8	
298.8	MODESTO		SHALE	68.0	161.8	
230.8	MODESTO		BLACK SHALE	2.3	229.8	
228.5	MODESTO		UNCLASSIFIED	1.4	232.1	
227.1	MODESTO		COAL	1.3	233.5	
225.8	MODESTO		SHALE	46.0	234.8	
179.8	MODESTO		UNCLASSIFIED	2.0	280.8	
177.8	MODESTO		SHALE	65.0	282.8	
112.8	MODESTO		SANDSTONE	2.4	347.8	
110.4	MODESTO		BLACK SHALE	3.0	350.2	
107.4	MODESTO		UNDERCLAY	14.4	353.2	
93.0	CARBONDALE		UNCLASSIFIED	4.4	367.6	UNCERTAIN CORRELATION
88.6	CARBONDALE		SHALE	4.0	372.0	
84.6	CARBONDALE	ANNA	BLACK SHALE	10.0	376.0	
74.6	CARBONDALE	HERRIN	BONE COAL	0.4	386.0	
74.2	CARBONDALE	HERRIN	COAL	8.6	386.4	
65.6	CARBONDALE		UNDERCLAY	4.0	395.0	
61.6	CARBONDALE		UNCLASSIFIED	5.0	399.0	

MAPID: 02700162000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 22 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.420715 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.608359 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 460.5 LOGGED (FT.): 1084.0 LOG TYPE:

SOURCE: OHIO OIL 0002 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
21.5	CARBONDALE	HERRIN	COAL	6.0	439.0	

MAPID: 02700162000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 2N 3W

SECTION: 22

QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: BECKEMEYER

LONGITUDE: -89.420715

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.608359

DATE COLLECTED: 7 / 0 / 1911

SURFACE ELEVATION (FT.): 461.0

LOGGED (FT.): 446.0

LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO., THE

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
21.0	CARBONDALE	HERRIN	COAL	6.0	440.0	

MAPID: 02700212000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON

TWP/RNG: 2N 3W

SECTION: 22

QUARTERS/FOOTAGES: 4475' S line, 5100' E line

QUADRANGLE: BECKEMEYER

LONGITUDE: -89.428154

GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N

LATITUDE: 38.606964

DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.9

LOGGED (FT.): 0.0

LOG TYPE:

SOURCE: BECKEMEYER000H

WELL TYPE: Underground mine

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.9	CARBONDALE	HERRIN	COAL	8.0	432.0	DEPTH UNCERTAIN

MAPID: 02700545000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON

TWP/RNG: 2N 3W

SECTION: 22

QUARTERS/FOOTAGES: 187' S line, 276' E line of SW SE

QUADRANGLE: BECKEMEYER

LONGITUDE: -89.415822

GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N

LATITUDE: 38.595303

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 464.0

LOGGED (FT.): 2730.0

LOG TYPE:

SOURCE: TRUMBULL

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
24.0	CARBONDALE	HERRIN	COAL	8.0	440.0	

MAPID: 02700545000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 2N 3W

SECTION: 22

QUARTERS/FOOTAGES: 187' S line, 276' E line of SW SE

QUADRANGLE: BECKEMEYER

LONGITUDE: -89.415822

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.595303

DATE COLLECTED: 7 / 0 / 1940

SURFACE ELEVATION (FT.): 464.0

LOGGED (FT.): 448.0

LOG TYPE: Electric Log

SOURCE: TRUMBULL M C

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
24.0	CARBONDALE	HERRIN	COAL	8.0	440.0	

MAPID: 02701449000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 22 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.416025 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.599331 DATE COLLECTED: 7 / 0 / 1951

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 470.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	MODESTO	PIASA	LIMESTONE	4.0	416.0	
43.0	MODESTO		UNCLASSIFIED	4.0	420.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
39.0	CARBONDALE		UNCLASSIFIED	12.0	424.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
27.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	436.0	
19.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	444.0	
14.0	CARBONDALE		UNCLASSIFIED	4.0	449.0	SHALE ABOVE BRERETON LIMESTONE
10.0	CARBONDALE	BRERETON	LIMESTONE	7.0	453.0	
3.0	CARBONDALE	ANNA	BLACK SHALE	3.0	460.0	
0.0	CARBONDALE	HERRIN	COAL	7.0	463.0	

MAPID: 02701449000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 22 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.416025 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.599331 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 464.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	MODESTO	PIASA	LIMESTONE	4.0	410.0	
49.0	MODESTO		SHALE	10.0	414.0	
39.0	CARBONDALE	DANVILLE	COAL	2.0	424.0	
37.0	CARBONDALE		SHALE	6.0	426.0	
31.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	432.0	
26.0	CARBONDALE	LAWSON	SHALE	11.0	437.0	
15.0	CARBONDALE	BRERETON	LIMESTONE	7.0	448.0	
8.0	CARBONDALE	ANNA	SHALE	2.0	455.0	
6.0	CARBONDALE	HERRIN	COAL	7.0	457.0	

MAPID: 02701452000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 22 QUARTERS/FOOTAGES: 280' N line, 450' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.427301 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.608396 DATE COLLECTED:

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 2543.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-35.0	CARBONDALE	SPRINGFIELD	COAL	-	489.0	
-109.0	CARBONDALE	COLCHESTER	COAL	-	563.0	
-569.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1023.0	
-2039.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2493.0	TOP OF NEW ALBANY
-2054.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2508.0	
-2089.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2543.0	BASE OF NEW ALBANY

MAPID: 02701452000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 22 QUARTERS/FOOTAGES: 280' N line, 450' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.427301 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.608396 DATE COLLECTED: 11 / 0 / 1953

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 439.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	MODESTO	PIASA	LIMESTONE	7.0	391.0	
56.0	MODESTO		UNCLASSIFIED	4.0	398.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
52.0	CARBONDALE		UNCLASSIFIED	11.0	402.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
41.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	413.0	
34.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	420.0	
31.0	CARBONDALE		UNCLASSIFIED	3.5	423.0	SHALE ABOVE BRERETON LIMESTONE
27.5	CARBONDALE	BRERETON	LIMESTONE	3.0	426.5	
24.5	CARBONDALE	ANNA	BLACK SHALE	3.5	429.5	
21.0	CARBONDALE	HERRIN	COAL	6.0	433.0	

MAPID: 02702789000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 22 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.413699 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.599368 DATE COLLECTED: 11 / 0 / 1950

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 471.0 LOG TYPE: Electric Log

SOURCE: GARZA & SCHIERMANN WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.5	MODESTO	PIASA	LIMESTONE	4.5	416.5	
43.0	MODESTO		UNCLASSIFIED	4.0	421.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
39.0	CARBONDALE		UNCLASSIFIED	12.0	425.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
27.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	437.0	
19.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	445.0	
15.0	CARBONDALE		UNCLASSIFIED	4.0	449.0	SHALE ABOVE BRERETON LIMESTONE
11.0	CARBONDALE	BRERETON	LIMESTONE	6.0	453.0	
5.0	CARBONDALE	ANNA	BLACK SHALE	4.0	459.0	
1.0	CARBONDALE	HERRIN	COAL	8.0	463.0	

MAPID: 02700163000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 23 QUARTERS/FOOTAGES: SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.396092 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.598724 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 467.1 LOGGED (FT.): 2733.0 LOG TYPE:

SOURCE: OHIO OIL 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
17.1	CARBONDALE	HERRIN	COAL	7.0	450.0	

MAPID: 02700163000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 23 QUARTERS/FOOTAGES: SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.396092 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.598724 DATE COLLECTED: 8 / 0 / 1911

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 457.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
17.0	CARBONDALE	HERRIN	COAL	7.0	450.0	

MAPID: 02725067000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 23 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.399621 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.595916 **DATE COLLECTED:** 0 / 0 / 1979
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 475.0 **LOG TYPE:** Electric Log
SOURCE: FREEMAN UNITED CAR-4-79 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	SHELburn	DANVILLE	COAL	2.0	431.0	
8.0	CARBONDALE	HERRIN	COAL	9.0	464.0	

MAPID: 02701454000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.383313 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.601696 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 1018.0 **LOG TYPE:** Electric Log
SOURCE: GOLDSMITH FRED L **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-7.0	CARBONDALE	SPRINGFIELD	COAL	-	462.0	
-117.0	CARBONDALE	COLCHESTER	COAL	-	572.0	
-563.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1018.0	

MAPID: 02701454000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.383313 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.601696 **DATE COLLECTED:** 8 / 0 / 1949
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: GOLDSMITH FRED L **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02725068000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 24 **QUARTERS/FOOTAGES:** SW SW SE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.376882 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.595729 **DATE COLLECTED:** 0 / 0 / 1979
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 528.0 **LOG TYPE:** Electric Log
SOURCE: FREEMAN UNITED CAR-5-79 **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	SHELburn	DANVILLE	COAL	1.0	401.0	
13.0	CARBONDALE	HERRIN	COAL	5.7	437.0	
-22.0	CARBONDALE	SPRINGFIELD	COAL	6.0	472.0	
-55.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	505.0	

MAPID: 02701200000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.383254 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.59062 **DATE COLLECTED:** 4 / 0 / 1955
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 448.0 **LOG TYPE:** Electric Log
SOURCE: KAPP, LOUIS H., JR. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.5	MODESTO	PIASA	LIMESTONE	3.5	403.5	
55.0	MODESTO		UNCLASSIFIED	3.5	407.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
51.5	CARBONDALE		UNCLASSIFIED	12.5	410.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
39.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	423.0	
31.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	430.5	
28.0	CARBONDALE		UNCLASSIFIED	3.5	434.0	SHALE ABOVE BRERETON LIMESTONE
24.5	CARBONDALE	BRERETON	LIMESTONE	1.5	437.5	
23.0	CARBONDALE	ANNA	BLACK SHALE	3.0	439.0	
20.0	CARBONDALE	HERRIN	COAL	6.0	442.0	

MAPID: 02701453000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 25 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.383234 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.581454 DATE COLLECTED: 6 / 0 / 1946

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 405.5 LOG TYPE: Electric Log

SOURCE: MAY JOE L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	CARBONDALE		UNCLASSIFIED	5.0	376.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
77.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	381.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	388.0	
66.0	CARBONDALE		UNCLASSIFIED	4.0	392.0	SHALE ABOVE BRERETON LIMESTONE
62.0	CARBONDALE	BRERETON	LIMESTONE	2.0	396.0	
60.0	CARBONDALE	ANNA	BLACK SHALE	2.0	398.0	
58.0	CARBONDALE	HERRIN	COAL	5.5	400.0	

MAPID: 02701453000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 25 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.383234 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.581454 DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 405.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	MODESTO		SHALE	15.0	361.0	
82.0	CARBONDALE		SHALE	5.0	376.0	
77.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	381.0	
73.0	CARBONDALE	LAWSON	SHALE	11.0	385.0	
62.0	CARBONDALE	BRERETON	LIMESTONE	2.0	396.0	
60.0	CARBONDALE	ANNA	SHALE	2.0	398.0	
58.0	CARBONDALE	HERRIN	COAL	5.0	400.0	

MAPID: 02701453000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 25 QUARTERS/FOOTAGES: SE SE SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.383234 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.581454 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 2569.0 LOG TYPE: Electric Log
 SOURCE: MAY JOE L WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
28.0	CARBONDALE	SPRINGFIELD	COAL	-	430.0	
-82.0	CARBONDALE	COLCHESTER	COAL	-	540.0	
-537.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	995.0	
-2058.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2516.0	TOP OF NEW ALBANY
-2072.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2530.0	
-2111.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2569.0	BASE OF NEW ALBANY

MAPID: 02702794000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.392558 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.588619 DATE COLLECTED: 7 / 0 / 1954
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 455.0 LOG TYPE: Drillers Log
 SOURCE: WELKER OIL CO., LTD. WELL TYPE: Water Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
33.0	CARBONDALE	HERRIN	COAL	8.0	447.0	

MAPID: 02700254000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 27 QUARTERS/FOOTAGES: 660' S line, 1240' E line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.414526 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.581906 DATE COLLECTED: 0 / 0 / 1937
 SURFACE ELEVATION (FT.): 451.9 LOGGED (FT.): 1515.0 LOG TYPE:
 SOURCE: MC BRIDE 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.9	CARBONDALE	HERRIN	COAL	9.0	420.0	

MAPID: 02700254000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 27 QUARTERS/FOOTAGES: 660' S line, 1240' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.414526 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.581906 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 429.0 LOG TYPE: Drillers Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	MODESTO	PIASA	LIMESTONE	5.0	380.0	
67.0	MODESTO		UNCLASSIFIED	4.0	385.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
63.0	CARBONDALE		UNCLASSIFIED	11.0	389.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
52.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	400.0	
45.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	407.0	
41.0	CARBONDALE		UNCLASSIFIED	4.0	411.0	SHALE ABOVE BRERETON LIMESTONE
37.0	CARBONDALE	BRERETON	LIMESTONE	5.0	415.0	
32.0	CARBONDALE	HERRIN	COAL	9.0	420.0	

MAPID: 02701154000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.420623 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.586463 DATE COLLECTED: 10 / 0 / 1955

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: LINDSAY, THEODORE R. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.5	MODESTO	PIASA	LIMESTONE	4.5	362.5	
94.0	MODESTO		UNCLASSIFIED	3.5	367.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.5	CARBONDALE		UNCLASSIFIED	12.5	370.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
78.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	383.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	391.0	
66.0	CARBONDALE		UNCLASSIFIED	3.5	395.0	SHALE ABOVE BRERETON LIMESTONE
62.5	CARBONDALE	BRERETON	LIMESTONE	6.0	398.5	
56.5	CARBONDALE	ANNA	BLACK SHALE	3.5	404.5	
53.0	CARBONDALE	HERRIN	COAL	8.0	408.0	

MAPID: 0270124000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.418314 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.588311 DATE COLLECTED: 5 / 0 / 1956

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 427.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
86.0	MODESTO	PIASA	LIMESTONE	5.0	373.0	
81.0	MODESTO		UNCLASSIFIED	4.5	378.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.5	CARBONDALE		UNCLASSIFIED	11.5	382.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	394.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	402.0	
53.5	CARBONDALE		UNCLASSIFIED	3.0	405.5	SHALE ABOVE BRERETON LIMESTONE
50.5	CARBONDALE	BRERETON	LIMESTONE	9.5	408.5	
41.0	CARBONDALE	ANNA	BLACK SHALE	3.0	418.0	
38.0	CARBONDALE	HERRIN	COAL	6.0	421.0	

MAPID: 02701448000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 27 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.427548 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.580885 DATE COLLECTED: 4 / 0 / 1951

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 426.0 LOG TYPE: Electric Log

SOURCE: HOPKINS, DALE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	MODESTO	PIASA	LIMESTONE	4.0	368.0	
93.0	MODESTO		UNCLASSIFIED	4.0	372.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
89.0	CARBONDALE		UNCLASSIFIED	14.0	376.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
75.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	390.0	
67.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	398.0	
63.0	CARBONDALE		UNCLASSIFIED	4.0	402.0	SHALE ABOVE BRERETON LIMESTONE
59.0	CARBONDALE	BRERETON	LIMESTONE	7.0	406.0	
52.0	CARBONDALE	ANNA	BLACK SHALE	5.0	413.0	
47.0	CARBONDALE	HERRIN	COAL	8.0	418.0	

MAPID: 02701448000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 27 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.427548

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.580885

DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0

LOGGED (FT.): 426.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	MODESTO	PIASA	LIMESTONE	3.0	370.0	
92.0	MODESTO		SHALE	10.0	373.0	
82.0	CARBONDALE	DANVILLE	COAL	2.0	383.0	
80.0	CARBONDALE		SHALE	7.0	385.0	
73.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	392.0	
69.0	CARBONDALE	LAWSON	SHALE	12.0	396.0	
57.0	CARBONDALE	BRERETON	LIMESTONE	5.0	408.0	
52.0	CARBONDALE	ANNA	SHALE	5.0	413.0	
47.0	CARBONDALE	HERRIN	COAL	8.0	418.0	

MAPID: 02701448000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 27 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.427548

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.580885

DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0

LOGGED (FT.): 2512.0

LOG TYPE: Electric Log

SOURCE: HOPKINS, DALE

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	SPRINGFIELD	COAL	-	440.0	
-47.0	CARBONDALE	COLCHESTER	COAL	-	512.0	
-543.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1008.0	
-2000.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2465.0	TOP OF NEW ALBANY
-2015.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2480.0	
-2047.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2512.0	BASE OF NEW ALBANY

MAPID: 02701531000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 27 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.422985 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.591926 **DATE COLLECTED:** 2 / 0 / 1957
SURFACE ELEVATION (FT.): 459.0 **LOGGED (FT.):** 448.0 **LOG TYPE:** Electric Log
SOURCE: SCHIERMANN & IMMING **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
19.0	CARBONDALE	HERRIN	COAL	8.0	440.0	

MAPID: 02700221000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 28 **QUARTERS/FOOTAGES:** 220' N line, 660' E line of SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.431077 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.58666 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 1204.0 **LOG TYPE:**
SOURCE: MC BRIDE 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.0	CARBONDALE	HERRIN	COAL	8.0	389.0	

MAPID: 02700221000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 28 **QUARTERS/FOOTAGES:** 220' N line, 660' E line of SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.431077 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.58666 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 397.0 **LOG TYPE:** Drillers Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.0	CARBONDALE	HERRIN	COAL	8.0	389.0	

MAPID: 02701171000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.434572 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.588161 DATE COLLECTED: 12 / 0 / 1955

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.0	MODESTO	PIASA	LIMESTONE	5.0	349.0	
100.0	MODESTO		UNCLASSIFIED	3.0	354.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
97.0	CARBONDALE		UNCLASSIFIED	8.0	357.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
89.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	365.0	
83.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	371.0	
80.5	CARBONDALE		UNCLASSIFIED	2.5	373.5	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	BRERETON	LIMESTONE	8.0	376.0	
70.0	CARBONDALE	ANNA	BLACK SHALE	9.0	384.0	
61.0	CARBONDALE	HERRIN	COAL	7.0	393.0	

MAPID: 02701171000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.434572 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.588161 DATE COLLECTED:

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	MODESTO	PIASA	LIMESTONE	5.0	347.0	
102.0	MODESTO		SHALE	12.0	352.0	
90.0	CARBONDALE	DANVILLE	COAL	4.0	364.0	
86.0	CARBONDALE		SHALE	6.0	368.0	
80.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	374.0	
71.0	CARBONDALE	LAWSON	SHALE	10.0	383.0	
61.0	CARBONDALE	HERRIN	COAL	7.0	393.0	

MAPID: 02701325000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.429929 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.588186 DATE COLLECTED: 12 / 0 / 1956

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	LIMESTONE	5.0	341.0	
105.0	MODESTO		UNCLASSIFIED	4.0	346.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
101.0	CARBONDALE		UNCLASSIFIED	9.5	350.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	359.5	
84.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	367.0	
80.5	CARBONDALE		UNCLASSIFIED	3.5	370.5	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	9.0	374.0	
68.0	CARBONDALE	ANNA	BLACK SHALE	4.0	383.0	
64.0	CARBONDALE	HERRIN	COAL	7.0	387.0	

MAPID: 02701437000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.441481 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.582655 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 398.0 LOG TYPE: Electric Log

SOURCE: SKILES OIL CORP WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	MODESTO	PIASA	LIMESTONE	5.0	347.0	
102.0	MODESTO		UNCLASSIFIED	3.0	352.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
99.0	CARBONDALE		UNCLASSIFIED	12.0	355.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
87.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	11.0	367.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	378.0	
72.5	CARBONDALE		UNCLASSIFIED	3.5	381.5	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	2.0	385.0	
67.0	CARBONDALE	ANNA	BLACK SHALE	4.0	387.0	
63.0	CARBONDALE	HERRIN	COAL	7.0	391.0	

MAPID: 02701553000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: 25' N line, 25' E line of NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.442847 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.594416 DATE COLLECTED: 10 / 0 / 1952

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	6.0	398.0	

MAPID: 02701577000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.439267 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.593603 DATE COLLECTED: 8 / 0 / 1957

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 502.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	UNCLASSIFIED	-	340.0	
95.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	355.0	
60.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	390.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
6.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	444.0	
-52.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	502.0	

MAPID: 02701577000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.439267 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.593603 DATE COLLECTED: 8 / 0 / 1957

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
109.0	MODESTO	PIASA	LIMESTONE	4.0	341.0	
105.0	MODESTO		UNCLASSIFIED	4.5	345.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.5	CARBONDALE		UNCLASSIFIED	8.5	349.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	358.0	
85.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	365.0	
82.5	CARBONDALE		UNCLASSIFIED	2.5	367.5	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	8.0	370.0	
72.0	CARBONDALE	ANNA	BLACK SHALE	9.0	378.0	
63.0	CARBONDALE	HERRIN	COAL	7.0	387.0	

MAPID: 02701577000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.439267 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.593603 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 2497.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	SPRINGFIELD	COAL	-	410.0	
-52.0	CARBONDALE	COLCHESTER	COAL	-	502.0	
-538.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	988.0	
-1997.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2447.0	TOP OF NEW ALBANY
-2013.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2463.0	
-2047.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2497.0	BASE OF NEW ALBANY

MAPID: 02702852000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 28 **QUARTERS/FOOTAGES:** 25' S line, 25' E line of NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.438136 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.587297 **DATE COLLECTED:** 10 / 0 / 1952
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 408.0 **LOG TYPE:** Electric Log
SOURCE: SUN PRODUCTION COMPANY **WELL TYPE:** Structure Test
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02700164000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 29 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.448446 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.582639 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 442.6 **LOGGED (FT.):** 1288.0 **LOG TYPE:**
SOURCE: OHIO OIL 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
37.6	CARBONDALE	HERRIN	COAL	11.0	405.0	

MAPID: 02700164000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 29 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.448446 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.582639 **DATE COLLECTED:** 7 / 0 / 1911
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 416.0 **LOG TYPE:** Drillers Log
SOURCE: OHIO OIL CO., THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	11.0	405.0	

MAPID: 02700165000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 29 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.453161 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.589951 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 432.6 **LOGGED (FT.):** 1043.0 **LOG TYPE:**
SOURCE: HAUT **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
37.6	CARBONDALE	HERRIN	COAL	13.0	395.0	

MAPID: 02700165000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 29 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.453161 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.589951 DATE COLLECTED: 9 / 0 / 1911

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 408.0 LOG TYPE: Drillers Log

SOURCE: HOUT, JOHN, ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
38.0	CARBONDALE	HERRIN	COAL	13.0	395.0	

MAPID: 02725773000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 30 QUARTERS/FOOTAGES: 660' N line, 330' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.471395 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.592925 DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 2367.0 LOG TYPE: Electric Log

SOURCE: SCHOFIELD, JOHN OIL CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	SPRINGFIELD	COAL	-	394.0	
-73.0	CARBONDALE	COLCHESTER	COAL	-	518.0	
-451.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	896.0	
-1879.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2324.0	TOP OF NEW ALBANY
-1893.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2338.0	
-1922.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2367.0	BASE OF NEW ALBANY

MAPID: 02701155000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.471439 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.579152 DATE COLLECTED: 11 / 0 / 1955

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 403.0 LOG TYPE: Electric Log

SOURCE: MILLER, GENE, INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.5	MODESTO	PIASA	LIMESTONE	6.0	356.5	
72.5	MODESTO		UNCLASSIFIED	2.5	362.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
70.0	CARBONDALE		UNCLASSIFIED	8.0	365.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
62.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	373.0	
56.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	379.0	
53.0	CARBONDALE		UNCLASSIFIED	3.0	382.0	SHALE ABOVE BRERETON LIMESTONE
50.0	CARBONDALE	BRERETON	LIMESTONE	7.0	385.0	
43.0	CARBONDALE	ANNA	BLACK SHALE	5.0	392.0	
38.0	CARBONDALE	HERRIN	COAL	6.0	397.0	

MAPID: 02701301000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 990' E line of SW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.474127 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.568258 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: STAPP, JACK WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	MODESTO	PIASA	LIMESTONE	7.0	346.0	
88.0	MODESTO		UNCLASSIFIED	3.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
85.0	CARBONDALE		UNCLASSIFIED	7.0	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
78.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	363.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	371.0	
66.0	CARBONDALE		UNCLASSIFIED	4.0	375.0	SHALE ABOVE BRERETON LIMESTONE
62.0	CARBONDALE	BRERETON	LIMESTONE	6.0	379.0	
56.0	CARBONDALE	ANNA	BLACK SHALE	4.0	385.0	
52.0	CARBONDALE	HERRIN	COAL	7.0	389.0	

MAPID: 02703655000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 990' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.469399 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.579129 DATE COLLECTED:

SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 415.0 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8507C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
31.1	MODESTO	PIASA	LIMESTONE	0.9	388.9
30.2	CARBONDALE	DANVILLE	COAL	1.2	389.8
29.0	CARBONDALE		GRAY SHALE	8.8	391.0
20.2	CARBONDALE	BANKSTON FORK	LIMESTONE	2.1	399.8
18.1	CARBONDALE	LAWSON	GRAY SHALE	2.5	401.9
15.6	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	0.6	404.4
15.0	CARBONDALE	JAMESTOWN	DARK GRAY SHALE	2.5	405.0
12.5	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	1.5	407.5
11.0	CARBONDALE	HERRIN	COAL	6.0	409.0

MAPID: 02703655000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 990' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.469399 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.579129 DATE COLLECTED:

SURFACE ELEVATION (FT.): 419.0 LOGGED (FT.): 415.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8507C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
30.2	CARBONDALE		UNCLASSIFIED	5.9	388.8
24.3	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	394.7
17.3	CARBONDALE	ANVIL ROCK	SANDSTONE	2.5	401.7
14.8	CARBONDALE	CONANT	LIMESTONE	2.5	404.2
12.3	CARBONDALE	JAMESTOWN	COAL	0.3	406.7
12.0	CARBONDALE		SHALE	0.5	407.0
11.5	CARBONDALE	BRERETON	LIMESTONE	1.5	407.5
10.0	CARBONDALE	HERRIN	COAL	6.0	409.0

MAPID: 02703655000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 990' E line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.469399 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.579129 DATE COLLECTED: 1 / 24 / 1969
 SURFACE ELEVATION (FT.): 420.0 LOGGED (FT.): 416.6 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 8507C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
29.5	SHELburn	DANVILLE	COAL	1.0	390.5	
10.5	CARBONDALE	HERRIN	COAL	6.0	409.5	

MAPID: 02700220000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 32 QUARTERS/FOOTAGES: SE SW SE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.453156 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.566278 DATE COLLECTED: 0 / 0 / 1937
 SURFACE ELEVATION (FT.): 456.3 LOGGED (FT.): 1053.0 LOG TYPE:
 SOURCE: NEWTON WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
26.3	CARBONDALE	HERRIN	COAL	3.0	430.0	

MAPID: 02700244000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 32 QUARTERS/FOOTAGES: SE SE SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.457832 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.566299 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 1000.0 LOG TYPE:
 SOURCE: AVERY ETAL0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	HERRIN	COAL	-	430.0	DEPTH UNCERTAIN

MAPID: 02702798000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 32 QUARTERS/FOOTAGES: 2270' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.448442 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57365 DATE COLLECTED: 11 / 0 / 1944

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.5	MODESTO	PIASA	LIMESTONE	5.0	378.5	
67.5	MODESTO		UNCLASSIFIED	3.0	383.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
64.5	CARBONDALE		UNCLASSIFIED	10.5	386.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
54.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	397.0	
46.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	405.0	
42.5	CARBONDALE		UNCLASSIFIED	3.5	408.5	SHALE ABOVE BRERETON LIMESTONE
39.0	CARBONDALE	BRERETON	LIMESTONE	8.0	412.0	
31.0	CARBONDALE	ANNA	BLACK SHALE	4.0	420.0	
27.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02702798000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 32 QUARTERS/FOOTAGES: 2270' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.448442 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.57365 DATE COLLECTED:

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	MODESTO	PIASA	LIMESTONE	5.0	369.0	
67.0	MODESTO		SHALE	6.0	374.0	
61.0	CARBONDALE	DANVILLE	COAL	3.0	380.0	
58.0	CARBONDALE		SHALE	5.0	383.0	
53.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	388.0	
49.0	CARBONDALE	LAWSON	SHALE	10.0	392.0	
39.0	CARBONDALE	BRERETON	LIMESTONE W/ SHALE	8.0	402.0	
31.0	CARBONDALE	ANNA	SHALE	4.0	410.0	
27.0	CARBONDALE	HERRIN	COAL	6.0	414.0	

MAPID: 02702798000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 32 QUARTERS/FOOTAGES: 2270' N line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.448442 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57365 DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 2509.0 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
11.0	CARBONDALE	SPRINGFIELD	COAL	-	440.0	
-89.0	CARBONDALE	COLCHESTER	COAL	-	540.0	
-561.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1012.0	
-2011.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2462.0	TOP OF NEW ALBANY
-2026.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2477.0	
-2058.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2509.0	BASE OF NEW ALBANY

MAPID: 02700558000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES: 990' N line, 1650' W line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.441461 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.577191 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 452.9 LOGGED (FT.): 0.0 LOG TYPE:

SOURCE: SNELL WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.9	CARBONDALE	HERRIN	COAL	9.0	396.0	

MAPID: 02701443000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES: 1980' N line, 2310' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.436821 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.574472 DATE COLLECTED: 9 / 0 / 1953

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	MODESTO	PIASA	LIMESTONE	5.0	353.0	
99.0	MODESTO		UNCLASSIFIED	4.0	358.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.0	CARBONDALE		UNCLASSIFIED	10.0	362.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
85.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	372.0	
78.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	379.0	
73.5	CARBONDALE		UNCLASSIFIED	4.5	383.5	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	5.0	388.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	3.0	393.0	
61.0	CARBONDALE	HERRIN	COAL	8.0	396.0	

MAPID: 02701443000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES: 1980' N line, 2310' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.436821 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.574472 DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO	PIASA	LIMESTONE	5.0	354.0	
98.0	MODESTO		SHALE	9.0	359.0	
89.0	CARBONDALE	DANVILLE	BONE COAL	1.0	368.0	
88.0	CARBONDALE		SHALE	4.0	369.0	
84.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	373.0	
79.0	CARBONDALE	LAWSON	SHALE	11.0	378.0	
68.0	CARBONDALE	BRERETON	LIMESTONE	4.0	389.0	
64.0	CARBONDALE	ANNA	SHALE	3.0	393.0	
61.0	CARBONDALE	HERRIN	COAL	8.0	396.0	

MAPID: 02701443000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES: 1980' N line, 2310' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.436821 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.574472 DATE COLLECTED: 9 / 0 / 1953

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 513.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	MODESTO	PIASA	UNCLASSIFIED	-	353.0	
90.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	367.0	
57.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	400.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
-3.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	460.0	
-56.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	513.0	

MAPID: 02701555000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES: 25' N line, 25' E line of NW NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.433426 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.579879 DATE COLLECTED: 11 / 0 / 1952

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
102.0	MODESTO	PIASA	LIMESTONE	5.0	358.0	
97.0	MODESTO		UNCLASSIFIED	4.0	363.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.0	CARBONDALE		UNCLASSIFIED	10.0	367.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	377.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	384.0	
71.5	CARBONDALE		UNCLASSIFIED	4.5	388.5	SHALE ABOVE BRERETON LIMESTONE
67.0	CARBONDALE	BRERETON	LIMESTONE	5.0	393.0	
62.0	CARBONDALE	ANNA	BLACK SHALE	3.0	398.0	
59.0	CARBONDALE	HERRIN	COAL	7.0	401.0	

MAPID: 0270280000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES: SW NE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.441465 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.577197 DATE COLLECTED: 1 / 0 / 1970

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 405.0 LOG TYPE: Drillers Log

SOURCE: PETROTECH, INC. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
102.0	MODESTO	PIASA	LIMESTONE	8.0	352.0
94.0	MODESTO		UNCLASSIFIED	2.0	360.0
92.0	CARBONDALE		UNCLASSIFIED	7.0	362.0
85.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	369.0
77.0	CARBONDALE	ANVIL ROCK	SANDSTONE	5.0	377.0
72.0	CARBONDALE		SHALE	5.0	382.0
67.0	CARBONDALE	BRERETON	LIMESTONE	4.0	387.0
63.0	CARBONDALE	ANNA	BLACK SHALE	5.0	391.0
58.0	CARBONDALE	HERRIN	COAL	9.0	396.0

MAPID: 02724616000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES:

QUADRANGLE: BECKEMEYER LONGITUDE: -89.437991 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.572662 DATE COLLECTED: 8 / 24 / 1972

SURFACE ELEVATION (FT.): LOGGED (FT.): 434.3 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 12869C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-				-	SEE CONFIDENTIAL FILE

MAPID: 02725937000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 33 QUARTERS/FOOTAGES: 465' N line, 330' W line of NE SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.44148 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.571363 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 2515.0 LOG TYPE: Electric Log
 SOURCE: AMERICAN LAND & EXPLORATION, INC. WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
14.0	CARBONDALE	SPRINGFIELD	COAL	-	452.0	
-66.0	CARBONDALE	COLCHESTER	COAL	-	532.0	
-531.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	997.0	
-2002.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2468.0	TOP OF NEW ALBANY
-2016.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2482.0	
-2049.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2515.0	BASE OF NEW ALBANY

MAPID: 02702801000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.418206 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.571865 DATE COLLECTED: 5 / 0 / 1952
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 441.0 LOG TYPE: Electric Log
 SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
32.0	CARBONDALE	HERRIN	COAL	5.0	436.0	

MAPID: 02724343000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 34 QUARTERS/FOOTAGES: 1650' N line, 660' E line of SE NE
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.412358 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.571905 DATE COLLECTED: 3 / 12 / 1974
 SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 525.0 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 15631C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
405.0			LIMESTONE	8.0	45.0	
197.0	MODESTO	CHAPEL	COAL	1.4	253.0	
75.0	SHELburn	PIASA	LIMESTONE	7.0	375.0	
66.0	SHELburn	DANVILLE	COAL	2.9	384.0	
30.0	CARBONDALE	HERRIN	COAL	8.1	420.0	
-34.0	CARBONDALE	SPRINGFIELD	COAL	2.1	484.0	

MAPID: 02724862000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 34 **QUARTERS/FOOTAGES:** 0' S line, 2640' E line of SW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.42391 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.565464 **DATE COLLECTED:** 4 / 8 / 1977
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 433.8 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16611C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
-	CARBONDALE	HERRIN	COAL	7.9	419.8	REMOVED BY CO.

MAPID: 02700382000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 35 **QUARTERS/FOOTAGES:** 2450' N line, 1000' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.394821 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.573539 **DATE COLLECTED:** 0 / 0 / 1935
SURFACE ELEVATION (FT.): 449.4 **LOGGED (FT.):** 1105.0 **LOG TYPE:**
SOURCE: SANTA FE O **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
27.4	CARBONDALE	HERRIN	COAL	6.0	422.0	

MAPID: 02700382000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 35 **QUARTERS/FOOTAGES:** 2450' N line, 1000' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.394821 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.573539 **DATE COLLECTED:** 0 / 0 / 1935
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 428.0 **LOG TYPE:** Drillers Log
SOURCE: SANTA FE OIL & GAS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
27.0	CARBONDALE	HERRIN	COAL	6.0	422.0	

MAPID: 02700431000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 3W **SECTION:** 35 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.406575 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.575611 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 452.2 **LOGGED (FT.):** 1370.0 **LOG TYPE:**
SOURCE: PASS ETAL **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
38.2	CARBONDALE	HERRIN	COAL	8.0	414.0	

MAPID: 02700431000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 35 QUARTERS/FOOTAGES: NE SW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.406575 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.575611 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 422.0 LOG TYPE: Drillers Log

SOURCE: PASS, ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	MODESTO	PIASA	LIMESTONE	8.0	372.0	
72.0	MODESTO		UNCLASSIFIED	2.0	380.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
70.0	CARBONDALE		UNCLASSIFIED	9.0	382.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
61.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	391.0	
54.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	398.0	
49.5	CARBONDALE		UNCLASSIFIED	4.5	402.5	SHALE ABOVE BRERETON LIMESTONE
45.0	CARBONDALE	BRERETON	LIMESTONE	5.0	407.0	
40.0	CARBONDALE	ANNA	BLACK SHALE	2.0	412.0	
38.0	CARBONDALE	HERRIN	COAL	8.0	414.0	

MAPID: 02701305000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.39246 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57214 DATE COLLECTED:

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 2563.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-11.0	CARBONDALE	SPRINGFIELD	COAL	-	460.0	
-121.0	CARBONDALE	COLCHESTER	COAL	-	570.0	
-572.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1021.0	
-2062.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2511.0	TOP OF NEW ALBANY
-2076.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2525.0	
-2114.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2563.0	BASE OF NEW ALBANY

MAPID: 02701305000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.39246 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57214 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 431.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.5	MODESTO	PIASA	LIMESTONE	5.5	385.5	
58.0	MODESTO		UNCLASSIFIED	4.0	391.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
54.0	CARBONDALE		UNCLASSIFIED	12.0	395.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
42.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	407.0	
35.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	414.0	
32.0	CARBONDALE		UNCLASSIFIED	2.5	417.0	SHALE ABOVE BRERETON LIMESTONE
29.5	CARBONDALE	BRERETON	LIMESTONE	3.5	419.5	
26.0	CARBONDALE	ANNA	BLACK SHALE	2.0	423.0	
24.0	CARBONDALE	HERRIN	COAL	6.0	425.0	

MAPID: 02701445000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 35 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.408976 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.579224 DATE COLLECTED: 5 / 0 / 1952

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 413.0 LOG TYPE: Electric Log

SOURCE: SPIRES H V WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO	PIASA	LIMESTONE	5.5	361.0	
81.5	MODESTO		UNCLASSIFIED	4.0	366.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.5	CARBONDALE		UNCLASSIFIED	11.5	370.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
66.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	382.0	
58.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	390.0	
55.5	CARBONDALE		UNCLASSIFIED	2.5	392.5	SHALE ABOVE BRERETON LIMESTONE
53.0	CARBONDALE	BRERETON	LIMESTONE	9.5	395.0	
43.5	CARBONDALE	ANNA	BLACK SHALE	2.5	404.5	
41.0	CARBONDALE	HERRIN	COAL	6.0	407.0	

MAPID: 02701445000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 35 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.408976 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.579224 DATE COLLECTED:

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO	PIASA	LIMESTONE	6.0	366.0	
81.0	MODESTO		SHALE	10.0	372.0	
71.0	CARBONDALE	DANVILLE	COAL	2.0	382.0	
69.0	CARBONDALE		SHALE	5.0	384.0	
64.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	389.0	
60.0	CARBONDALE	LAWSON	SHALE	8.0	393.0	
52.0	CARBONDALE	CONANT	LIMESTONE	4.0	401.0	
48.0	CARBONDALE		SHALE	3.0	405.0	
45.0	CARBONDALE	BRERETON	LIMESTONE	2.0	408.0	
43.0	CARBONDALE	ANNA	SHALE	2.0	410.0	
41.0	CARBONDALE	HERRIN	COAL	8.0	412.0	

MAPID: 02702802000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 235' W line of NE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.395249 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.579386 DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 437.0 LOGGED (FT.): 417.0 LOG TYPE: Electric Log

SOURCE: STEIN CHARLES K WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	MODESTO	PIASA	LIMESTONE	6.5	371.0	
59.5	MODESTO		UNCLASSIFIED	3.5	377.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
56.0	CARBONDALE		UNCLASSIFIED	10.0	381.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
46.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	391.0	
39.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	398.0	
35.0	CARBONDALE		UNCLASSIFIED	4.0	402.0	SHALE ABOVE BRERETON LIMESTONE
31.0	CARBONDALE	BRERETON	LIMESTONE	3.0	406.0	
28.0	CARBONDALE	ANNA	BLACK SHALE	2.0	409.0	
26.0	CARBONDALE	HERRIN	COAL	6.0	411.0	

MAPID: 02724351000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 35 QUARTERS/FOOTAGES: SW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.407623 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.567404 DATE COLLECTED: 8 / 14 / 1972

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 420.0 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 12868C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
49.8	CARBONDALE	HERRIN	COAL	7.7	412.2	CORE MISSING

MAPID: 02701427000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.380806 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57416 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 374.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
92.0	MODESTO	PIASA	LIMESTONE	5.0	330.0	
87.0	MODESTO		UNCLASSIFIED	4.0	335.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE		UNCLASSIFIED	10.0	339.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
73.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	349.0	
66.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	356.0	
62.0	CARBONDALE		UNCLASSIFIED	4.0	360.0	SHALE ABOVE BRERETON LIMESTONE
58.0	CARBONDALE	BRERETON	LIMESTONE	2.0	364.0	
56.0	CARBONDALE	ANNA	BLACK SHALE	2.0	366.0	
54.0	CARBONDALE	HERRIN	COAL	6.0	368.0	

MAPID: 02701444000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.378439 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57238 DATE COLLECTED: 3 / 0 / 1955

SURFACE ELEVATION (FT.): 416.0 LOGGED (FT.): 379.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN & IMMING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	MODESTO	PIASA	LIMESTONE	4.0	336.0	
76.0	MODESTO		UNCLASSIFIED	4.0	340.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
72.0	CARBONDALE		UNCLASSIFIED	9.0	344.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
63.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	353.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	359.0	
54.0	CARBONDALE		UNCLASSIFIED	3.0	362.0	SHALE ABOVE BRERETON LIMESTONE
51.0	CARBONDALE	BRERETON	LIMESTONE	4.0	365.0	
47.0	CARBONDALE	ANNA	BLACK SHALE	3.0	369.0	
44.0	CARBONDALE	HERRIN	COAL	7.0	372.0	

MAPID: 02701581000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.376093 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.57055 DATE COLLECTED: 8 / 0 / 1957

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 411.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.1	MODESTO	PIASA	LIMESTONE	3.0	368.9	
57.1	MODESTO		UNCLASSIFIED	4.0	371.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
53.1	CARBONDALE		UNCLASSIFIED	10.0	375.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
43.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	385.9	
35.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.8	393.9	
31.3	CARBONDALE		UNCLASSIFIED	3.8	397.7	SHALE ABOVE BRERETON LIMESTONE
27.5	CARBONDALE	BRERETON	LIMESTONE	1.5	401.5	
26.0	CARBONDALE	ANNA	BLACK SHALE	2.0	403.0	
24.0	CARBONDALE	HERRIN	COAL	6.0	405.0	

MAPID: 02701598000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.385426 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.570418 DATE COLLECTED: 11 / 0 / 1957

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.5	MODESTO	PIASA	LIMESTONE	5.5	357.5	
75.0	MODESTO		UNCLASSIFIED	4.0	363.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
71.0	CARBONDALE		UNCLASSIFIED	12.0	367.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
59.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	379.0	
51.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	387.0	
47.0	CARBONDALE		UNCLASSIFIED	4.0	391.0	SHALE ABOVE BRERETON LIMESTONE
43.0	CARBONDALE	BRERETON	LIMESTONE	2.0	395.0	
41.0	CARBONDALE	ANNA	BLACK SHALE	1.0	397.0	
40.0	CARBONDALE	HERRIN	COAL	6.0	398.0	

MAPID: 02701607000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE

QUADRANGLE: CARLYLE LONGITUDE: -89.373804 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.574282 DATE COLLECTED: 12 / 0 / 1957

SURFACE ELEVATION (FT.): 427.0 LOGGED (FT.): 395.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.0	MODESTO	PIASA	LIMESTONE	5.0	354.0	
68.0	MODESTO		UNCLASSIFIED	4.0	359.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
64.0	CARBONDALE		UNCLASSIFIED	8.0	363.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
56.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	371.0	
49.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	378.0	
46.0	CARBONDALE		UNCLASSIFIED	3.0	381.0	SHALE ABOVE BRERETON LIMESTONE
43.0	CARBONDALE	BRERETON	LIMESTONE	4.0	384.0	
39.0	CARBONDALE	ANNA	BLACK SHALE	2.0	388.0	
37.0	CARBONDALE	HERRIN	COAL	5.0	390.0	

MAPID: 02701793000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: 990' N line, 660' E line of NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.384338 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.577783 DATE COLLECTED: 4 / 0 / 1960

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 411.5 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.5	MODESTO	PIASA	LIMESTONE	4.5	369.5	
88.0	MODESTO		UNCLASSIFIED	5.0	374.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE		UNCLASSIFIED	9.0	379.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
74.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	388.0	
68.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	394.0	
64.0	CARBONDALE		UNCLASSIFIED	4.0	398.0	SHALE ABOVE BRERETON LIMESTONE
60.0	CARBONDALE	BRERETON	LIMESTONE	2.0	402.0	
58.0	CARBONDALE	ANNA	BLACK SHALE	2.0	404.0	
56.0	CARBONDALE	HERRIN	COAL	5.5	406.0	

MAPID: 02702803000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.385484 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.575912 DATE COLLECTED: 5 / 0 / 1944

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 413.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO	PIASA	LIMESTONE	5.0	370.0	
82.0	MODESTO		UNCLASSIFIED	4.0	375.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
78.0	CARBONDALE		UNCLASSIFIED	9.0	379.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
69.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	388.0	
62.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	395.0	
59.5	CARBONDALE		UNCLASSIFIED	2.5	397.5	SHALE ABOVE BRERETON LIMESTONE
57.0	CARBONDALE	BRERETON	LIMESTONE	3.0	400.0	
54.0	CARBONDALE	ANNA	BLACK SHALE	4.0	403.0	
50.0	CARBONDALE	HERRIN	COAL	6.0	407.0	

MAPID: 02702803000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 3W SECTION: 36 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.385484 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.575912 DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
83.0	MODESTO	PIASA	LIMESTONE	5.0	374.0
78.0	MODESTO		SHALE	9.0	379.0
69.0	CARBONDALE		SHALE	4.0	388.0
65.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	392.0
60.0	CARBONDALE	LAWSON	SHALE	6.0	397.0
54.0	CARBONDALE	BRERETON	LIMESTONE	3.0	403.0
51.0	CARBONDALE	ANNA	SHALE	4.0	406.0
47.0	CARBONDALE	HERRIN	COAL	6.0	410.0

MAPID: 02700250000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 1 QUARTERS/FOOTAGES: 4650' S line, 3675' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.492526 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.651733 DATE COLLECTED: 0 / 0 / 1929

SURFACE ELEVATION (FT.): 454.2 LOGGED (FT.): 1043.0 LOG TYPE:

SOURCE: BONFA WES WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
50.2	CARBONDALE	HERRIN	COAL	7.0	404.0

MAPID: 02700250000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 1 QUARTERS/FOOTAGES: 4650' S line, 3675' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.492526 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.651733 DATE COLLECTED: 11 / 0 / 1929

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 411.0 LOG TYPE: Drillers Log

SOURCE: BONFA-WESSEL WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
50.0	CARBONDALE	HERRIN	COAL	7.0	404.0

MAPID: 02700298000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 1 **QUARTERS/FOOTAGES:** 3520' S line, 2650' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.488865 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.648499 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 455.7 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.7	CARBONDALE	HERRIN	COAL	6.0	395.0	

MAPID: 02700298000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 1 **QUARTERS/FOOTAGES:** 3520' S line, 2650' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.488865 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.648499 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 401.0 **LOG TYPE:** Drillers Log
SOURCE: NO COMPANY **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	CARBONDALE	HERRIN	COAL	6.0	395.0	

MAPID: 02700299000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 1 **QUARTERS/FOOTAGES:** 450' S line, 50' W line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.498043 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.640309 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 441.3 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.3	CARBONDALE	HERRIN	COAL	5.0	385.0	

MAPID: 02700299000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 1 **QUARTERS/FOOTAGES:** 450' S line, 50' W line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.498043 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.640309 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 441.0 **LOGGED (FT.):** 390.0 **LOG TYPE:** Drillers Log
SOURCE: NO COMPANY **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	HERRIN	COAL	5.0	385.0	

MAPID: 02702807000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 1 QUARTERS/FOOTAGES: 4300' S line, 1008' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.483115 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.650475 DATE COLLECTED: 6 / 0 / 1951

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 392.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.0	MODESTO	PIASA	LIMESTONE	5.5	346.0	
107.5	MODESTO		UNCLASSIFIED	4.5	351.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
103.0	CARBONDALE		UNCLASSIFIED	10.0	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
93.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	366.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	373.0	
83.0	CARBONDALE		UNCLASSIFIED	3.0	376.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	4.0	379.0	
76.0	CARBONDALE	ANNA	BLACK SHALE	3.0	383.0	
73.0	CARBONDALE	HERRIN	COAL	6.0	386.0	

MAPID: 02702807000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 1 QUARTERS/FOOTAGES: 4300' S line, 1008' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.483115 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.650475 DATE COLLECTED:

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 392.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.0	MODESTO	PIASA	LIMESTONE	6.0	346.0	
107.0	MODESTO		SHALE	8.0	352.0	
99.0	CARBONDALE		SHALE	8.0	360.0	
91.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	368.0	
87.0	CARBONDALE	LAWSON	SHALE	8.0	372.0	
79.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	380.0	
76.0	CARBONDALE	ANNA	SHALE	3.0	383.0	
73.0	CARBONDALE	HERRIN	COAL	6.0	386.0	

MAPID: 02702808000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 1 QUARTERS/FOOTAGES: 660' N line, 330' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.480739 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.651204 DATE COLLECTED: 1 / 0 / 1952

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 365.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.5	MODESTO	PIASA	LIMESTONE	4.0	321.5	
114.5	MODESTO		UNCLASSIFIED	3.0	325.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
111.5	CARBONDALE		UNCLASSIFIED	10.0	328.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	338.5	
94.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	345.5	
90.5	CARBONDALE		UNCLASSIFIED	4.0	349.5	SHALE ABOVE BRERETON LIMESTONE
86.5	CARBONDALE	BRERETON	LIMESTONE	2.5	353.5	
84.0	CARBONDALE	ANNA	BLACK SHALE	2.0	356.0	
82.0	CARBONDALE	HERRIN	COAL	7.0	358.0	

MAPID: 02702811000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 1 QUARTERS/FOOTAGES: 100' N line, 330' E line of SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.480649 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.6455 DATE COLLECTED: 4 / 0 / 1951

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 389.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.0	MODESTO	PIASA	LIMESTONE	6.0	342.0	
107.0	MODESTO		UNCLASSIFIED	3.5	348.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
103.5	CARBONDALE		UNCLASSIFIED	12.0	351.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	363.5	
84.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	371.0	
80.5	CARBONDALE		UNCLASSIFIED	3.5	374.5	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	2.0	378.0	
75.0	CARBONDALE	ANNA	BLACK SHALE	2.0	380.0	
73.0	CARBONDALE	HERRIN	COAL	7.0	382.0	

MAPID: 02702813000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 440' E line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.48567 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.641401 DATE COLLECTED: 4 / 0 / 1951

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: ASH DRILLING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.5	MODESTO	PIASA	LIMESTONE	4.5	355.5	
97.0	MODESTO		UNCLASSIFIED	3.0	360.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
94.0	CARBONDALE		UNCLASSIFIED	11.0	363.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	374.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	381.0	
73.5	CARBONDALE		UNCLASSIFIED	2.5	383.5	SHALE ABOVE BRERETON LIMESTONE
71.0	CARBONDALE	BRERETON	LIMESTONE	6.0	386.0	
65.0	CARBONDALE	ANNA	BLACK SHALE	2.0	392.0	
63.0	CARBONDALE	HERRIN	COAL	6.0	394.0	

MAPID: 02701465000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 2 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.499416 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649096 DATE COLLECTED: 4 / 0 / 1951

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 395.0 LOG TYPE: Electric Log

SOURCE: MYERS THEODORE F WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.1	MODESTO	PIASA	LIMESTONE	4.0	348.9	
104.1	MODESTO		UNCLASSIFIED	3.0	352.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
101.1	CARBONDALE		UNCLASSIFIED	12.0	355.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
89.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	367.9	
83.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.8	373.9	
79.3	CARBONDALE		UNCLASSIFIED	3.8	377.7	SHALE ABOVE BRERETON LIMESTONE
75.5	CARBONDALE	BRERETON	LIMESTONE	3.0	381.5	
72.5	CARBONDALE	ANNA	BLACK SHALE	3.5	384.5	
69.0	CARBONDALE	HERRIN	COAL	7.0	388.0	

MAPID: 02701465000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 2 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.499416 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.649096 DATE COLLECTED:

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	MODESTO	PIASA	LIMESTONE	3.0	352.0	
104.0	MODESTO		SHALE	9.0	355.0	
95.0	CARBONDALE	DANVILLE	COAL	2.0	364.0	
93.0	CARBONDALE		SHALE	5.0	366.0	
88.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	371.0	
83.0	CARBONDALE	LAWSON	SHALE	8.0	376.0	
75.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	384.0	
73.0	CARBONDALE	ANNA	SHALE	3.0	386.0	
70.0	CARBONDALE	HERRIN	COAL	8.0	389.0	

MAPID: 02701727000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.499405 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.64546 DATE COLLECTED: 11 / 0 / 1951

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 399.0 LOG TYPE: Electric Log

SOURCE: MYERS THEODORE F WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.5	MODESTO	PIASA	LIMESTONE	6.0	354.5	
100.5	MODESTO		UNCLASSIFIED	3.0	360.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
97.5	CARBONDALE		UNCLASSIFIED	11.5	363.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	375.0	
80.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	381.0	
76.5	CARBONDALE		UNCLASSIFIED	3.5	384.5	SHALE ABOVE BRERETON LIMESTONE
73.0	CARBONDALE	BRERETON	LIMESTONE	3.0	388.0	
70.0	CARBONDALE	ANNA	BLACK SHALE	2.0	391.0	
68.0	CARBONDALE	HERRIN	COAL	6.0	393.0	

MAPID: 02702816000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.504048 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.645554 DATE COLLECTED: 11 / 0 / 1953

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 374.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
112.0	MODESTO	PIASA	LIMESTONE	4.0	335.0	
108.0	MODESTO		UNCLASSIFIED	3.0	339.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.0	CARBONDALE		UNCLASSIFIED	10.0	342.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	352.0	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	359.0	
85.0	CARBONDALE		UNCLASSIFIED	2.5	362.0	SHALE ABOVE BRERETON LIMESTONE
82.5	CARBONDALE	BRERETON	LIMESTONE	1.0	364.5	
81.5	CARBONDALE	ANNA	BLACK SHALE	1.5	365.5	
80.0	CARBONDALE	HERRIN	COAL	7.0	367.0	

MAPID: 02702817000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 2 QUARTERS/FOOTAGES: 660' S line, 330' W line of NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.506365 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.648334 DATE COLLECTED: 10 / 0 / 1953

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 365.5 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.5	MODESTO	PIASA	LIMESTONE	4.0	319.5	
115.5	MODESTO		UNCLASSIFIED	4.0	323.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
111.5	CARBONDALE		UNCLASSIFIED	11.0	327.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	338.5	
95.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	344.0	
91.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	348.0	
89.0	CARBONDALE		UNCLASSIFIED	5.0	350.0	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	2.0	355.0	
82.0	CARBONDALE	ANNA	BLACK SHALE	3.0	357.0	
79.0	CARBONDALE	HERRIN	COAL	5.5	360.0	

MAPID: 02700251000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.52496 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.647862 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 486.0 **LOGGED (FT.):** 1235.0 **LOG TYPE:**
SOURCE: MC BRIDE **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	CARBONDALE	HERRIN	COAL	7.0	382.0	

MAPID: 02700251000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.52496 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.647862 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 486.0 **LOGGED (FT.):** 389.0 **LOG TYPE:** Drillers Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	CARBONDALE	HERRIN	COAL	7.0	382.0	

MAPID: 02701119000C **VERSION:** 1 **PROJECT:** IDMM-GWQX
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 3 **QUARTERS/FOOTAGES:** 990' S line, 330' E line of SW SE
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.522656 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.642441 **DATE COLLECTED:** 7 / 0 / 1955
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 532.0 **LOG TYPE:** Electric Log
SOURCE: HOCKMAN, JAMES N. **WELL TYPE:** Producer-Oil
COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.0	MODESTO	PIASA	UNCLASSIFIED	-	360.0	
110.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	374.0	
86.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	398.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
29.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	455.0	
-14.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	498.0	
-48.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	532.0	

MAPID: 02701119000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 3 QUARTERS/FOOTAGES: 990' S line, 330' E line of SW SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.522656 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.642441 DATE COLLECTED: 7 / 0 / 1955

SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 376.0 LOG TYPE: Electric Log

SOURCE: HOCKMAN, JAMES N. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
153.0	MODESTO	PIASA	LIMESTONE	3.0	331.0	
150.0	MODESTO		UNCLASSIFIED	4.0	334.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
146.0	CARBONDALE	DANVILLE	COAL	1.0	338.0	
145.0	CARBONDALE		UNCLASSIFIED	12.0	339.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
133.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	351.0	
126.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	358.0	
122.5	CARBONDALE		UNCLASSIFIED	3.5	361.5	SHALE ABOVE BRERETON LIMESTONE
119.0	CARBONDALE	BRERETON	LIMESTONE	3.0	365.0	
116.0	CARBONDALE	ANNA	BLACK SHALE	2.0	368.0	
114.0	CARBONDALE	HERRIN	COAL	6.0	370.0	

MAPID: 02701728000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 3 QUARTERS/FOOTAGES: 1980' N line, 1980' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.52377 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.648647 DATE COLLECTED: 2 / 0 / 1943

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 399.0 LOG TYPE: Electric Log

SOURCE: EASON T T & CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	LIMESTONE	5.0	355.0	
121.0	MODESTO		UNCLASSIFIED	3.0	360.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
118.0	CARBONDALE		UNCLASSIFIED	12.0	363.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
106.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	375.0	
99.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	382.0	
96.0	CARBONDALE		UNCLASSIFIED	3.0	385.0	SHALE ABOVE BRERETON LIMESTONE
93.0	CARBONDALE	BRERETON	LIMESTONE	2.0	388.0	
91.0	CARBONDALE	ANNA	BLACK SHALE	3.0	390.0	
88.0	CARBONDALE	HERRIN	COAL	6.0	393.0	

MAPID: 02701728000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 3 QUARTERS/FOOTAGES: 1980' N line, 1980' E line
 QUADRANGLE: ST. ROSE LONGITUDE: -89.52377 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.648647 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 381.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
148.0	MODESTO		SHALE	15.0	333.0
133.0	CARBONDALE		SHALE	10.0	348.0
123.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	358.0
119.0	CARBONDALE	LAWSON	SHALE	7.0	362.0
112.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	369.0
109.0	CARBONDALE	ANNA	SHALE	3.0	372.0
106.0	CARBONDALE	HERRIN	COAL	6.0	375.0

MAPID: 02700030000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 5 QUARTERS/FOOTAGES: NE NW NW
 QUADRANGLE: ST. ROSE LONGITUDE: -89.568968 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.654462 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 505.0 LOGGED (FT.): 1151.0 LOG TYPE:
 SOURCE: SIVA OIL 6 WELL TYPE: Oil and Gas Test
 COMMENT: LOCATION AND SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
155.0	CARBONDALE	HERRIN	COAL	7.0	350.0

MAPID: 02700030000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 5 QUARTERS/FOOTAGES: NE NW NW
 QUADRANGLE: ST. ROSE LONGITUDE: -89.568968 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.654462 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 357.0 LOG TYPE: Drillers Log
 SOURCE: SIVA OIL COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
113.0	CARBONDALE	HERRIN	COAL	7.0	350.0

MAPID: 02701556000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 5 QUARTERS/FOOTAGES: 685' N line, 25' E line of SW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.558659 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.649622 DATE COLLECTED: 10 / 0 / 1952

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 389.0 LOG TYPE: Electric Log

SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	MODESTO	PIASA	LIMESTONE	7.0	375.0	
78.0	CARBONDALE	HERRIN	COAL	7.0	382.0	

MAPID: 02701320000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 6 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.573859 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.65458 DATE COLLECTED: 12 / 0 / 1956

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 350.5 LOG TYPE: Electric Log

SOURCE: SKILES OIL CORP WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
175.0	MODESTO	PIASA	LIMESTONE	7.0	305.0	
168.0	MODESTO		UNCLASSIFIED	3.0	312.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
165.0	CARBONDALE		UNCLASSIFIED	13.0	315.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
152.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	328.0	
145.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	335.0	
142.5	CARBONDALE		UNCLASSIFIED	2.5	337.5	SHALE ABOVE BRERETON LIMESTONE
140.0	CARBONDALE	BRERETON	LIMESTONE	2.0	340.0	
138.0	CARBONDALE	ANNA	BLACK SHALE	2.0	342.0	
136.0	CARBONDALE	HERRIN	COAL	6.5	344.0	

MAPID: 02701320000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 6 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.573859

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.65458

DATE COLLECTED:

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 350.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
176.0	MODESTO	PIASA	LIMESTONE	9.0	305.0	
167.0	MODESTO		SHALE	8.0	314.0	
159.0	CARBONDALE	DANVILLE	COAL	2.0	322.0	
157.0	CARBONDALE		SHALE	6.0	324.0	
151.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	330.0	
145.0	CARBONDALE	LAWSON	SHALE	4.0	336.0	
141.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	340.0	
139.0	CARBONDALE	ANNA	SHALE	2.0	342.0	
137.0	CARBONDALE	HERRIN	COAL	6.0	344.0	

MAPID: 02701464000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 10 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.517846

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.634968

DATE COLLECTED: 10 / 0 / 1953

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 419.0

LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.5	MODESTO	PIASA	LIMESTONE	4.5	375.5	
100.0	MODESTO		UNCLASSIFIED	3.0	380.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
97.0	CARBONDALE		UNCLASSIFIED	11.0	383.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	394.0	
79.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	401.0	
74.5	CARBONDALE		UNCLASSIFIED	4.0	405.5	SHALE ABOVE BRERETON LIMESTONE
70.5	CARBONDALE	BRERETON	LIMESTONE	3.0	409.5	
67.5	CARBONDALE	ANNA	BLACK SHALE	1.5	412.5	
66.0	CARBONDALE	HERRIN	COAL	5.0	414.0	

MAPID: 02701464000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 10 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.517846 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.634968 DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 422.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
102.0	MODESTO	PIASA	LIMESTONE	5.0	378.0
97.0	MODESTO		SHALE	9.0	383.0
88.0	CARBONDALE	DANVILLE	COAL	2.0	392.0
86.0	CARBONDALE		SHALE	5.0	394.0
81.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	399.0
76.0	CARBONDALE	LAWSON	SHALE	8.0	404.0
68.0	CARBONDALE	HERRIN	COAL	10.0	412.0

MAPID: 02724904000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 10 QUARTERS/FOOTAGES: 852' N line, 2594' E line of NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.530567 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.637627 DATE COLLECTED: 3 / 9 / 1978

SURFACE ELEVATION (FT.): LOGGED (FT.): 425.6 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 16537C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.1	416.7

MAPID: 02701419000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 11 QUARTERS/FOOTAGES: 350' N line, 1650' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.511025 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.638406 DATE COLLECTED: 10 / 0 / 1953

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 356.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.5	MODESTO	PIASA	LIMESTONE	5.0	308.5	
126.5	MODESTO		UNCLASSIFIED	4.5	313.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.0	CARBONDALE		UNCLASSIFIED	14.0	318.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
108.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	332.0	
102.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	338.0	
99.0	CARBONDALE		UNCLASSIFIED	3.0	341.0	SHALE ABOVE BRERETON LIMESTONE
96.0	CARBONDALE	BRERETON	LIMESTONE	3.5	344.0	
92.5	CARBONDALE	ANNA	BLACK SHALE	2.5	347.5	
90.0	CARBONDALE	HERRIN	COAL	6.0	350.0	

MAPID: 02701419000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 11 QUARTERS/FOOTAGES: 350' N line, 1650' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.511025 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.638406 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 379.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
129.0	MODESTO	PIASA	LIMESTONE	5.0	331.0	
124.0	MODESTO		SHALE	10.0	336.0	
114.0	CARBONDALE	DANVILLE	COAL	3.0	346.0	
111.0	CARBONDALE		SHALE	6.0	349.0	
105.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	355.0	
100.0	CARBONDALE	LAWSON	SHALE	7.0	360.0	
93.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	367.0	
90.0	CARBONDALE	ANNA	SHALE	3.0	370.0	
87.0	CARBONDALE	HERRIN	COAL	6.0	373.0	

MAPID: 02700043000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.480436 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.626694 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 434.5 **LOGGED (FT.):** 950.0 **LOG TYPE:**
SOURCE: EWING MARQ0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.5	CARBONDALE	HERRIN	COAL	6.0	390.0	

MAPID: 02700044000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 600' S line, 1000' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.48278 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.625684 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 951.0 **LOG TYPE:**
SOURCE: EWING MARQ0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	CARBONDALE	HERRIN	COAL	6.0	390.0	

MAPID: 02700045000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 200' N line, 200' E line of SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.480012 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630677 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 452.8 **LOGGED (FT.):** 960.0 **LOG TYPE:**
SOURCE: EWING MARQ0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.8	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02700045000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 200' N line, 200' E line of SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.480012 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.630677 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 406.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02700046000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 200' N line, 600' E line of SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.48142 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.630719 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 453.6 **LOGGED (FT.):** 962.0 **LOG TYPE:**
SOURCE: EWING MARQ **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.6	CARBONDALE	HERRIN	COAL	7.0	407.0	

MAPID: 02700047000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 200' S line, 600' E line of NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.481431 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.631823 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 453.4 **LOGGED (FT.):** 962.0 **LOG TYPE:**
SOURCE: EWING MARQ0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.4	CARBONDALE	HERRIN	COAL	6.0	405.0	

MAPID: 02700048000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 200' S line, 1000' E line of NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.482838 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.631862 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 444.2 **LOGGED (FT.):** 956.0 **LOG TYPE:**
SOURCE: EWING MARQ0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.2	CARBONDALE	HERRIN	COAL	7.0	401.0	

MAPID: 02700048000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 200' S line, 1000' E line of NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.482838 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.631862 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 408.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
43.0	CARBONDALE	HERRIN	COAL	7.0	401.0	

MAPID: 02700049000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 600' S line, 600' E line of NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.481441 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.632928 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 452.6 **LOGGED (FT.):** 972.0 **LOG TYPE:**
SOURCE: EWING MARQ0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.6	CARBONDALE	HERRIN	COAL	6.0	405.0	

MAPID: 02700050000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 600' S line, 1420' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.484258 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.625723 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 447.1 **LOGGED (FT.):** 964.0 **LOG TYPE:**
SOURCE: EWING MARQ **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.1	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02700050000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 600' S line, 1420' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.484258 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.625723 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 397.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02700435000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 12 QUARTERS/FOOTAGES: 250' N line, 3100' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.490289 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.638136 DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 460.7 LOGGED (FT.): 1302.0 LOG TYPE:

SOURCE: GOLDSCHMDT WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.7	CARBONDALE	HERRIN	COAL	-	400.0	DEPTH UNCERTAIN
10.7	CARBONDALE	SPRINGFIELD	COAL	5.0	450.0	

MAPID: 02701156000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 12 QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.496762 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.627137 DATE COLLECTED: 11 / 0 / 1955

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 379.0 LOG TYPE: Electric Log

SOURCE: MILLER, GENE, INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	MODESTO	PIASA	LIMESTONE	7.0	333.0	
100.0	MODESTO		UNCLASSIFIED	3.0	340.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
97.0	CARBONDALE		UNCLASSIFIED	8.5	343.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
88.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	351.5	
82.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	357.5	
79.5	CARBONDALE		UNCLASSIFIED	2.5	360.5	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	6.0	363.0	
71.0	CARBONDALE	ANNA	BLACK SHALE	4.0	369.0	
67.0	CARBONDALE	HERRIN	COAL	6.0	373.0	

MAPID: 02701156000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 12 QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.496762 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.627137 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 379.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.0	MODESTO	PIASA	LIMESTONE	5.0	335.0	
100.0	MODESTO		SHALE	7.0	340.0	
93.0	CARBONDALE		SHALE	6.0	347.0	
87.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	353.0	
84.0	CARBONDALE	LAWSON	SHALE	8.0	356.0	
76.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	364.0	
71.0	CARBONDALE	ANNA	SHALE	4.0	369.0	
67.0	CARBONDALE	HERRIN	COAL	6.0	373.0	

MAPID: 02701748000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.487499 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.630535 DATE COLLECTED: 11 / 0 / 1951

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 406.0 LOG TYPE: Electric Log

SOURCE: HOPKINS, DALE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
93.0	MODESTO	PIASA	LIMESTONE	3.0	362.0	
90.0	MODESTO		UNCLASSIFIED	4.0	365.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
86.0	CARBONDALE		UNCLASSIFIED	9.0	369.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
77.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	378.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	385.0	
67.0	CARBONDALE		UNCLASSIFIED	3.0	388.0	SHALE ABOVE BRERETON LIMESTONE
64.0	CARBONDALE	BRERETON	LIMESTONE	7.0	391.0	
57.0	CARBONDALE	ANNA	BLACK SHALE	2.0	398.0	
55.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02702818000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' S line, 530' W line of SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.491507 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.632471 **DATE COLLECTED:** 5 / 0 / 1951
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 413.0 **LOG TYPE:** Electric Log
SOURCE: ASH DRILLING **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	CARBONDALE	HERRIN	COAL	6.0	407.0	

MAPID: 02702820000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 50' S line, 50' E line of SW NE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.481791 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.627779 **DATE COLLECTED:** 2 / 0 / 1950
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 390.0 **LOG TYPE:** Electric Log
SOURCE: ASH DRILLING **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	CARBONDALE	HERRIN	COAL	6.0	384.0	

MAPID: 02702821000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 12 **QUARTERS/FOOTAGES:** 187' N line, 340' E line of SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.480471 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.627089 **DATE COLLECTED:** 7 / 0 / 1950
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 391.0 **LOG TYPE:** Electric Log
SOURCE: ASH DRILLING **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	6.0	385.0	

MAPID: 02702824000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 990' E line
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.482738 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.624936 DATE COLLECTED: 9 / 0 / 1946
 SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 399.0 LOG TYPE: Electric Log
 SOURCE: MCFARLAND, ROLLA J. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.5	CARBONDALE		UNCLASSIFIED	6.5	362.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
74.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	369.0	
67.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	375.5	
64.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	379.0	
62.0	CARBONDALE		UNCLASSIFIED	3.0	381.0	SHALE ABOVE BRERETON LIMESTONE
59.0	CARBONDALE	BRERETON	LIMESTONE	7.0	384.0	
52.0	CARBONDALE	ANNA	BLACK SHALE	2.0	391.0	
50.0	CARBONDALE	HERRIN	COAL	6.0	393.0	

MAPID: 02702825000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 12 QUARTERS/FOOTAGES: 300' S line, 400' E line of NW SE
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.485366 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.628566 DATE COLLECTED: 12 / 0 / 1950
 SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log
 SOURCE: VYE GEORGE P WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	6.0	390.0	

MAPID: 02701796000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.489722 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.616008 DATE COLLECTED: 3 / 0 / 1960
 SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 373.0 LOG TYPE: Electric Log
 SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.0	CARBONDALE	HERRIN	COAL	6.0	367.0	

MAPID: 02724906000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 13 **QUARTERS/FOOTAGES:** 211' S line, 199' E line of SE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.479867 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.610074 **DATE COLLECTED:** 1 / 26 / 1978
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 434.1 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16534C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			COAL	1.6	213.0	
-	SHELBURN	DANVILLE	COAL	1.5	341.0	
-	CARBONDALE	HERRIN	COAL	7.2	367.7	
-	CARBONDALE	SPRINGFIELD	COAL	1.9	429.4	

MAPID: 02724907000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 13 **QUARTERS/FOOTAGES:** 1475' N line, 304' E line of NE NE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.480294 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.619886 **DATE COLLECTED:** 2 / 24 / 1978
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 379.7 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16536C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.5	370.3	

MAPID: 02701418000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 14 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: BREESE **LONGITUDE:** -89.505913 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.6237 **DATE COLLECTED:** 9 / 0 / 1951
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 385.0 **LOG TYPE:** Electric Log
SOURCE: TWAIN, MARK OIL PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.1	MODESTO	PIASA	LIMESTONE	4.0	339.9	
109.1	MODESTO		UNCLASSIFIED	3.5	343.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.6	CARBONDALE		UNCLASSIFIED	11.5	347.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
94.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	358.9	
88.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	364.9	
85.8	CARBONDALE		UNCLASSIFIED	2.3	367.2	SHALE ABOVE BRERETON LIMESTONE
83.5	CARBONDALE	BRERETON	LIMESTONE	6.0	369.5	
77.5	CARBONDALE	ANNA	BLACK SHALE	3.5	375.5	
74.0	CARBONDALE	HERRIN	COAL	6.0	379.0	

MAPID: 02701418000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 14 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: BREESE LONGITUDE: -89.505913 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.6237 DATE COLLECTED:

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 391.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
112.0	MODESTO	PIASA	LIMESTONE	4.0	347.0
108.0	MODESTO		SHALE	8.5	351.0
99.5	CARBONDALE	DANVILLE	BONE COAL	1.0	359.5
98.5	CARBONDALE		SHALE	6.5	360.5
92.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	367.0
89.0	CARBONDALE	LAWSON	SHALE	6.0	370.0
83.0	CARBONDALE	CONANT	LIMESTONE	2.0	376.0
81.0	CARBONDALE		SHALE	2.0	378.0
79.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	380.0
77.0	CARBONDALE	ANNA	SHALE	3.0	382.0
74.0	CARBONDALE	HERRIN	COAL	6.0	385.0

MAPID: 02701573000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 14 QUARTERS/FOOTAGES: 420' S line, 540' E line of NW

QUADRANGLE: BREESE LONGITUDE: -89.509037 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.618562 DATE COLLECTED: 8 / 0 / 1957

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 800.0 LOG TYPE: Electric Log

SOURCE: SCHAEFER OIL COMPANY WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-14.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	467.0
-54.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	507.0
-100.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	553.0
-347.0	BASE OF PENN.		UNCLASSIFIED	-	800.0

MAPID: 02703908000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 16 QUARTERS/FOOTAGES: 1143' N line, 69' E line
QUADRANGLE: BREESE LONGITUDE: -89.535498 GEOLOGIST: LOG BOOK
CONFIDENTIAL: N LATITUDE: 38.622367 DATE COLLECTED: 4 / 15 / 1971
SURFACE ELEVATION (FT.): 481.1 LOGGED (FT.): 637.8 LOG TYPE: Survey Core Study
SOURCE: BELL & ZOLLER 2 WELL TYPE: Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
58.1	SHELburn	JAMESTOWN	COAL	0.3	423.0
52.9	CARBONDALE	HERRIN	COAL	7.8	428.2
-10.8	CARBONDALE	HOUCHIN CREEK	COAL	2.4	491.9
-50.2	CARBONDALE	SURVANT	COAL	4.5	531.3
-95.6	CARBONDALE	COLCHESTER	COAL	1.8	576.7
-113.7			COAL	1.9	594.8
-123.5			COAL	1.5	604.6
-133.1			COAL	6.2	614.2
-147.2			COAL	8.0	628.3

MAPID: 02703908000C VERSION: 2

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 16 QUARTERS/FOOTAGES: 1143' N line, 69' E line

QUADRANGLE: BREESE LONGITUDE: -89.535498 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.622367 DATE COLLECTED: 3 / 23 / 1971

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 440.0 LOG TYPE: Drillers Log

SOURCE: BELL & ZOLLER, #2 WELL TYPE: Coal Test

COMMENT: CORE DESCRIPTION ALSO AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
481.0			UNCONSOLIDATED	24.0	0.0	
457.0	BOND		SANDY SHALE	26.5	24.0	W/SS
430.5	BOND		LIMESTONE	0.5	50.5	
430.0	BOND		SHALE	4.0	51.0	
426.0	BOND		LIMESTONE	5.2	55.0	
420.8	BOND		SANDY SHALE	13.1	60.2	
407.7	BOND	CARTHAGE	LIMESTONE	10.6	73.3	
397.2	MODESTO		BLACK SHALE	2.0	83.8	
395.2	MODESTO		SHALE	4.2	85.8	
391.0	MODESTO		SHALE	5.5	90.0	
385.5	MODESTO		SANDY SHALE	6.5	95.5	W/SS
379.0	MODESTO		SILTY, SANDY SHALE	3.0	102.0	
376.0	MODESTO		SANDSTONE	111.5	105.0	W/SANDY SH
264.5	MODESTO		SANDY SHALE	56.5	216.5	
208.0	MODESTO		SHALE	5.0	273.0	
203.0	MODESTO		SANDY SHALE	30.8	278.0	W/SS
172.2	MODESTO		FOSSILIFEROUS LIMESTONE	4.6	308.8	
167.7	MODESTO		SILTY SHALE	6.7	313.3	
161.0	MODESTO		SHALE	20.0	320.0	W/ SIDERITE
141.0	MODESTO		SILTY SHALE	25.5	340.0	
115.5	MODESTO		SHALE	9.5	365.5	W/SS
106.0	MODESTO		SHALE	2.0	375.0	
104.0	MODESTO		SHALE	4.5	377.0	
99.5	MODESTO		SHALE	1.5	381.5	
98.0	MODESTO		CLAYSTONE & SILTSTONE	7.4	383.0	
90.6	MODESTO	PIASA	LIMESTONE	4.8	390.4	
85.7	MODESTO		SHALE	8.5	395.3	
77.2	CARBONDALE	DANVILLE	COAL	1.3	403.8	
76.0	CARBONDALE		CLAYSTONE & SHALE	4.0	405.0	
72.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.8	409.0	
64.2	CARBONDALE		CALCAREOUS SHALE	0.6	416.8	
63.6	CARBONDALE		BLACK SHALE	4.4	417.4	
59.2	CARBONDALE	CONANT	LIMESTONE	1.2	421.8	
58.0	CARBONDALE	JAMESTOWN	COAL	0.2	423.0	
57.8	CARBONDALE	BRERETON	FOSSILIFEROUS LIMESTONE	2.1	423.2	
55.7	CARBONDALE	ANNA	BLACK SHALE	2.9	425.3	
52.8	CARBONDALE	HERRIN	COAL	7.7	428.2	
45.2	CARBONDALE		CLAYSTONE & SILTSTONE	1.5	435.8	

43.7 CARBONDALE

LIMESTONE W/ SHALE

2.7

437.3

CONGLOMERATIC
LS

MAPID: 02701809000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE

QUADRANGLE: BREESE LONGITUDE: -89.555007

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.619678

DATE COLLECTED: 7 / 0 / 1960

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 530.0

LOG TYPE: Electric Log

SOURCE: S & S OIL COMPANY

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
120.0	MODESTO	PIASA	UNCLASSIFIED	-	349.0	
108.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	361.0	
79.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	390.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO COAL HORIZON IDENTIFIABLE
19.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	450.0	
-23.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	492.0	
-61.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	530.0	

MAPID: 02701809000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE

QUADRANGLE: BREESE LONGITUDE: -89.555007

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.619678

DATE COLLECTED: 7 / 0 / 1960

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 397.0

LOG TYPE: Electric Log

SOURCE: S & S OIL COMPANY

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.0	MODESTO	PIASA	LIMESTONE	5.0	348.0	
116.0	MODESTO		UNCLASSIFIED	4.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.0	CARBONDALE		UNCLASSIFIED	13.0	357.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	370.0	
92.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	376.5	
87.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	382.0	
85.0	CARBONDALE		UNCLASSIFIED	2.5	384.0	SHALE ABOVE BRERETON LIMESTONE
82.5	CARBONDALE	BRERETON	LIMESTONE	3.0	386.5	
79.5	CARBONDALE	ANNA	BLACK SHALE	1.5	389.5	
78.0	CARBONDALE	HERRIN	COAL	6.0	391.0	

MAPID: 02703371000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 17 QUARTERS/FOOTAGES: 1980' N line, 1320' W line

QUADRANGLE: BREESE LONGITUDE: -89.567895

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.620925

DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 382.3

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8016

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
130.9	MODESTO	PIASA	LIMESTONE	7.5	341.1
123.4	MODESTO		GRAY SHALE	2.1	348.6
121.3	CARBONDALE	DANVILLE	COAL	0.9	350.7
120.4	CARBONDALE		GRAY SHALE	8.1	351.6
112.3	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	5.5	359.7
106.8	CARBONDALE	LAWSON	GRAY SHALE	5.2	365.2
101.6	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	0.5	370.4
101.1	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	2.1	370.9
99.0	CARBONDALE	ANNA	BLACK SHALE	2.0	373.0
97.0	CARBONDALE	HERRIN	COAL	7.3	375.0

MAPID: 02703371000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 17 QUARTERS/FOOTAGES: 1980' N line, 1320' W line

QUADRANGLE: BREESE LONGITUDE: -89.567895

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.620925

DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 382.5

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8016

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
131.7	MODESTO	PIASA	LIMESTONE	5.5	340.3
126.2	MODESTO		UNCLASSIFIED	2.0	345.8
124.2	CARBONDALE		UNCLASSIFIED	11.7	347.8
112.5	CARBONDALE	BANKSTON FORK	LIMESTONE	6.8	359.5
105.7	CARBONDALE	ANVIL ROCK	SANDSTONE	2.9	366.3
102.8	CARBONDALE	CONANT	LIMESTONE	1.3	369.2
101.5	CARBONDALE	JAMESTOWN	COAL	0.1	370.5
101.4	CARBONDALE	BRERETON	LIMESTONE	2.1	370.6
99.3	CARBONDALE	ANNA	BLACK SHALE	2.3	372.7
97.0	CARBONDALE	HERRIN	COAL	7.5	375.0

MAPID: 02703371000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 17 QUARTERS/FOOTAGES: 1980' N line, 1320' W line
 QUADRANGLE: BREESE LONGITUDE: -89.567895 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.620925 DATE COLLECTED: 5 / 10 / 1967
 SURFACE ELEVATION (FT.): 472.4 LOGGED (FT.): 381.2 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 8016 WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.3	CARBONDALE	HERRIN	COAL	7.3	375.1	

MAPID: 02701417000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 18 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: BREESE LONGITUDE: -89.592937 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.612998 DATE COLLECTED: 6 / 0 / 1951
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 700.0 LOG TYPE: Electric Log
 SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
154.0	MODESTO	PIASA	UNCLASSIFIED	-	316.0	
104.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	366.0	
92.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	378.0	POSSIBLE COAL HORIZON
50.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	420.0	
6.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	464.0	
-34.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	504.0	
-230.0	BASE OF PENN.		UNCLASSIFIED	-	700.0	

MAPID: 02701417000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 18 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: BREESE LONGITUDE: -89.592937 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.612998 DATE COLLECTED: 6 / 0 / 1951

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 372.5 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
153.0	MODESTO	PIASA	LIMESTONE	6.0	317.0	
147.0	MODESTO		UNCLASSIFIED	5.0	323.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
142.0	CARBONDALE		UNCLASSIFIED	11.5	328.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
130.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	339.5	
122.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	347.5	
117.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	353.0	
115.0	CARBONDALE		UNCLASSIFIED	5.0	355.0	SHALE ABOVE BRERETON LIMESTONE
110.0	CARBONDALE	BRERETON	LIMESTONE	2.0	360.0	
108.0	CARBONDALE	ANNA	BLACK SHALE	4.0	362.0	
104.0	CARBONDALE	HERRIN	COAL	6.5	366.0	

MAPID: 02701946000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE

QUADRANGLE: BREESE LONGITUDE: -89.58201 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.602062 DATE COLLECTED: 9 / 0 / 1962

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 378.5 LOG TYPE: Electric Log

SOURCE: ATKINS AND HALE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	MODESTO	PIASA	LIMESTONE	5.0	333.0	
117.0	MODESTO		UNCLASSIFIED	3.0	338.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.0	CARBONDALE	DANVILLE	COAL	1.0	341.0	
113.0	CARBONDALE		UNCLASSIFIED	13.0	342.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	355.0	
93.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	361.5	
89.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	365.5	
88.5	CARBONDALE		UNCLASSIFIED	1.5	366.5	SHALE ABOVE BRERETON LIMESTONE
87.0	CARBONDALE	BRERETON	LIMESTONE	3.0	368.0	
84.0	CARBONDALE	ANNA	BLACK SHALE	2.0	371.0	
82.0	CARBONDALE	HERRIN	COAL	5.5	373.0	

MAPID: 02703368000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 19 QUARTERS/FOOTAGES: 445' S line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.593982 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.599063 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 375.3 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8019C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
130.8	MODESTO	PIASA	LIMESTONE	10.3	329.2
120.5	MODESTO		GRAY SHALE	4.4	339.5
116.1	CARBONDALE	DANVILLE	COAL	1.5	343.9
114.6	CARBONDALE		GRAY SHALE	7.4	345.4
107.2	CARBONDALE	BANKSTON FORK	LIMESTONE	5.5	352.8
101.7	CARBONDALE	LAWSON	DARK GRAY SHALE	3.5	358.3
98.2	CARBONDALE	JAMESTOWN	GRAY SHALE	0.1	361.8
98.1	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.5	361.9
94.6	CARBONDALE	ANNA	BLACK SHALE	1.6	365.4
93.0	CARBONDALE	HERRIN	COAL	8.3	367.0

MAPID: 02703368000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 19 QUARTERS/FOOTAGES: 445' S line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.593982 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.599063 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 375.3 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8019C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
130.8	MODESTO	PIASA	LIMESTONE	6.3	329.2
124.5	MODESTO		UNCLASSIFIED	4.4	335.5
120.1	CARBONDALE		UNCLASSIFIED	12.9	339.9
107.2	CARBONDALE	BANKSTON FORK	LIMESTONE	5.5	352.8
101.7	CARBONDALE	ANVIL ROCK	SANDSTONE	2.0	358.3
99.7	CARBONDALE	CONANT	LIMESTONE	1.3	360.3
98.4	CARBONDALE	JAMESTOWN	COAL	0.1	361.6
98.3	CARBONDALE	BRERETON	LIMESTONE	3.5	361.7
94.8	CARBONDALE	ANNA	BLACK SHALE	1.8	365.2
93.0	CARBONDALE	HERRIN	COAL	8.3	367.0

MAPID: 02703368000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 19 QUARTERS/FOOTAGES: 445' S line, 0' W line
 QUADRANGLE: BREESE LONGITUDE: -89.593982 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.599063 DATE COLLECTED: 5 / 23 / 1967
 SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 379.3 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 8019C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
92.6	CARBONDALE	HERRIN	COAL	8.3	367.4	

MAPID: 02701916000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 20 QUARTERS/FOOTAGES: NW SW SE
 QUADRANGLE: BREESE LONGITUDE: -89.561827 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.5998 DATE COLLECTED: 5 / 0 / 1962
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 395.0 LOG TYPE: Electric Log
 SOURCE: DONNEWALD, ETAL WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	LIMESTONE	6.0	343.0	
109.0	MODESTO		UNCLASSIFIED	1.0	349.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
108.0	CARBONDALE	DANVILLE	COAL	1.5	350.0	
106.5	CARBONDALE		UNCLASSIFIED	11.5	351.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	363.0	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	370.0	
83.0	CARBONDALE		UNCLASSIFIED	3.0	375.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	6.0	378.0	
74.0	CARBONDALE	ANNA	BLACK SHALE	4.0	384.0	
70.0	CARBONDALE	HERRIN	COAL	7.0	388.0	

MAPID: 02701916000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 20 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: BREESE LONGITUDE: -89.561827

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.5998

DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 386.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
114.0	MODESTO	PIASA	LIMESTONE	6.0	346.0
108.0	MODESTO		SHALE	8.0	352.0
100.0	CARBONDALE		SHALE	8.0	360.0
92.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	368.0
88.0	CARBONDALE	LAWSON	SHALE	8.0	372.0
80.0	CARBONDALE	HERRIN	COAL	6.0	380.0

MAPID: 02700209000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 21 QUARTERS/FOOTAGES: 3700' S line, 525' E line

QUADRANGLE: BREESE LONGITUDE: -89.536965

GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.606749

DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.2 LOGGED (FT.): 0.0

LOG TYPE:

SOURCE: CONSOL STL

WELL TYPE: Underground mine

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
48.2	CARBONDALE	HERRIN	COAL	7.5	410.0

MAPID: 02701895000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 21 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: BREESE LONGITUDE: -89.550218 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.604993 DATE COLLECTED: 10 / 0 / 1961

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: ATKINS AND HALE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.1	MODESTO	PIASA	LIMESTONE	7.0	355.9	
109.1	MODESTO		UNCLASSIFIED	2.0	362.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
107.1	CARBONDALE		UNCLASSIFIED	10.0	364.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	374.9	
91.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	380.4	
89.3	CARBONDALE		UNCLASSIFIED	2.3	382.7	SHALE ABOVE BRERETON LIMESTONE
87.0	CARBONDALE	BRERETON	LIMESTONE	5.5	385.0	
81.5	CARBONDALE	ANNA	BLACK SHALE	3.5	390.5	
78.0	CARBONDALE	HERRIN	COAL	6.0	394.0	

MAPID: 02701895000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 21 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: BREESE LONGITUDE: -89.550218 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.604993 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	LIMESTONE	7.0	357.0	
108.0	MODESTO		SHALE	4.0	364.0	
104.0	CARBONDALE	DANVILLE	BONE COAL	1.0	368.0	
103.0	CARBONDALE		SHALE	7.0	369.0	
96.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	376.0	
92.0	CARBONDALE	LAWSON	SHALE	5.0	380.0	
87.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	6.0	385.0	
81.0	CARBONDALE	ANNA	SHALE	3.0	391.0	
78.0	CARBONDALE	HERRIN	COAL	6.0	394.0	

MAPID: 02703974000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 21 QUARTERS/FOOTAGES: NE NE SE NE

QUADRANGLE: BREESE LONGITUDE: -89.535699 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.606915 DATE COLLECTED: 12 / 17 / 1971

SURFACE ELEVATION (FT.): LOGGED (FT.): 388.0 LOG TYPE: Survey Core Study

SOURCE: BELL & ZOLLER 3 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-			COAL	1.0	235.5
-	SHELBURN	DANVILLE	COAL	1.5	369.0

MAPID: 02703974000C VERSION: 2

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 21 QUARTERS/FOOTAGES: NE NE SE NE

QUADRANGLE: BREESE LONGITUDE: -89.535699 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.606915 DATE COLLECTED: 12 / 17 / 1971

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 388.0 LOG TYPE: Survey Core Study

SOURCE: BELL AND ZOLLER, #3 WELL TYPE: Coal Test

COMMENT: CORE DESCRIP., BREESE FARM

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
455.0			UNCONSOLIDATED	2.0	0.0	SURFACE, PROBABLY SOIL
453.0			CLAY	10.0	2.0	
443.0			SANDY CLAY	5.0	12.0	
438.0			SANDY CLAY	7.0	17.0	
431.0			SHALE	3.0	24.0	
428.0	BOND	CARTHAGE	FOSSILIFEROUS LIMESTONE	13.8	27.0	SHALY IN PARTS
414.2	MODESTO		SHALE	0.7	40.8	
413.5	MODESTO		BLACK SHALE	2.2	41.5	
411.3	MODESTO		SHALE	0.2	43.7	
411.2	MODESTO		UNKNOWN	0.5	43.8	ZONE OF DRK GRAY TO BKSH RUBBLE
410.7	MODESTO		CORE LOSS	4.2	44.3	
406.5	MODESTO		SILTSTONE	20.8	48.5	W/ SH & SS LAMS, BANDS
385.7	MODESTO		SANDSTONE	4.3	69.3	W/ SH LAMS
381.3	MODESTO		SILTSTONE	0.8	73.7	
380.5	MODESTO		SHALE	33.8	74.5	W/ SLTST & SS LAMS, BANDS
346.7	MODESTO		SHALE	2.2	108.3	
344.6	MODESTO		SHALY LIMESTONE	2.0	110.4	W/ CRINOID & BRACH FRAGS
342.6	MODESTO		SHALE	1.0	112.4	PYRITE TRAILS
341.6	MODESTO		BLACK SHALE	2.4	113.4	
339.2	MODESTO		LIMESTONE	0.5	115.8	SHELL HASH
338.7	MODESTO		SHALE	1.3	116.3	W/ PRODUCTID BRACHS
337.4	MODESTO		SHALE	0.1	117.6	W/ CARBONACEOUS PLANT FRAGS
337.3	MODESTO		CALCAREOUS CLAYSTONE	2.9	117.7	
334.4	MODESTO		SHALE	3.8	120.6	W/ LS NODS
330.6	MODESTO		SHALE	1.6	124.4	W/ SILTY & SS LAMS, LENSES
329.0	MODESTO		SHALY SANDSTONE	4.4	126.0	CALC. IN MIDDLE. SLUMPED AT BAS
324.6	MODESTO		SANDSTONE/SHALE	5.6	130.4	
319.0	MODESTO		SHALE	11.8	136.0	SILTY/SS LAMS & LENSES
307.2	MODESTO		SHALE	1.3	147.8	
305.9	MODESTO		LIMESTONE	0.3	149.1	CRINOID/SHELL DEBRIS
305.6	MODESTO		SANDSTONE/SHALE	0.6	149.4	
305.1	MODESTO		SILTY SHALE	1.3	149.9	W/ SS LENSES & LAMS
303.7	MODESTO		SANDSTONE	3.8	151.3	
300.0	MODESTO		SILTSTONE	1.7	155.0	
298.3	MODESTO		SHALE	4.4	156.7	W/ SS LAMS
293.9	MODESTO		SILTSTONE	38.9	161.1	W/ SS LAMS & CARB. FRAGS

255.0	MODESTO		SHALE	21.0	200.0	SOME LEAF FRAGS
234.0	MODESTO		SHALE	9.3	221.0	W/ SID. BANDS IN LOWER 4'
224.7	MODESTO		SHALY LIMESTONE	0.7	230.3	
224.0	MODESTO		SHALE	3.4	231.0	
220.6	MODESTO		LIMESTONE	1.1	234.4	
219.5	MODESTO	CHAPEL	COAL	1.0	235.5	
218.5	MODESTO		CLAYSTONE & SILTSTONE	1.7	236.5	SILTY DOWNWARD
216.7	MODESTO		SILTSTONE	5.8	238.3	W/ LS NODS, SH BANDS
211.0	MODESTO		SILTY SHALE	21.7	244.0	SS LAMS, LENSES; U-SHAPED BURS
189.3	MODESTO		SILTSTONE	10.0	265.7	PYRITIC TRAILS
179.3	MODESTO		SHALY LIMESTONE	0.1	275.7	
179.2	MODESTO		SHALE	2.0	275.8	ABUND. PYRITIC TRAILS
177.2	MODESTO		LIMESTONE	3.0	277.8	PHYLLOID ALGAE; SHALY IN PART
174.2	MODESTO		SHALY LIMESTONE	1.0	280.8	W/ BRACH FRAGS
173.2	MODESTO		SHALE	3.5	281.8	W/ PYRITE TRAILS
169.7	MODESTO		SHALY LIMESTONE	1.3	285.3	
168.3	MODESTO		SHALE	39.5	286.7	
128.8	MODESTO		SIDERITE	0.2	326.2	SIDERITE BAND
128.7	MODESTO		BLACK SHALE	0.7	326.3	W/ BIVALVES
128.0	MODESTO		CLAYSTONE & SILTSTONE	1.0	327.0	
127.0	MODESTO		SILTY, SANDY SHALE	3.8	328.0	
123.2	MODESTO		SILTSTONE	2.3	331.8	
121.0	MODESTO		CLAYSTONE & SILTSTONE	2.0	334.0	
119.0				5.0	336.0	
114.0	MODESTO		SILTSTONE	7.3	341.0	W/ LS INCLUSIONS
106.7	MODESTO		SILTSTONE	0.4	348.3	MOTTLED WITH RUST COLOR
106.2	MODESTO		BRECCIA	5.3	348.8	NON CALC. SUBANGL. PART IN CLYST
101.0	MODESTO		CLAYSTONE & SILTSTONE	2.0	354.0	
99.0	MODESTO	PIASA	SHALY LIMESTONE	10.4	356.0	W/ SH PARTINGS
88.6	MODESTO		CLAYSTONE & SILTSTONE	2.6	366.4	W/ LS NODS
86.0	CARBONDALE	DANVILLE	COAL	1.5	369.0	
84.5	CARBONDALE		SHALE	0.4	370.5	
84.1	CARBONDALE		CLAYSTONE & SILTSTONE	6.1	370.9	
78.0	CARBONDALE		LIMESTONE	6.4	377.0	W/ SH PARTINGS
71.6	CARBONDALE		SHALE	4.1	383.4	
67.5	CARBONDALE		LIMESTONE	0.4	387.5	
67.1	CARBONDALE		SHALE	0.1	387.9	

MAPID: 02700210000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON

TWP/RNG: 2N 4W

SECTION: 22

QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: BREESE

LONGITUDE: -89.531633

GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N

LATITUDE: 38.602708

DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.6

LOGGED (FT.): 0.0

LOG TYPE:

SOURCE: CITIZENS COAL MINING CO

WELL TYPE: Underground mine

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.6	CARBONDALE	HERRIN	COAL	7.5	410.0	

MAPID: 02700210000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 2N 4W

SECTION: 22

QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: BREESE

LONGITUDE: -89.531633

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.602708

DATE COLLECTED: 0 / 0 / 1887

SURFACE ELEVATION (FT.): 452.0

LOGGED (FT.): 390.5

LOG TYPE: Drillers Log

SOURCE: FUTURE COAL & MINING

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	LIMESTONE	6.0	342.0	
104.0	MODESTO		UNCLASSIFIED	4.0	348.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.0	CARBONDALE	DANVILLE	COAL	1.0	352.0	
99.0	CARBONDALE		UNCLASSIFIED	9.0	353.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	362.0	
84.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	368.0	
81.0	CARBONDALE		UNCLASSIFIED	2.0	371.0	SHALE ABOVE BRERETON LIMESTONE
79.0	CARBONDALE	BRERETON	LIMESTONE	5.0	373.0	
74.0	CARBONDALE	ANNA	BLACK SHALE	5.0	378.0	
69.0	CARBONDALE	HERRIN	COAL	7.5	383.0	

MAPID: 0270165000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 22 QUARTERS/FOOTAGES: 350' S line, 250' E line
 QUADRANGLE: BREESE LONGITUDE: -89.517383 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.59682 DATE COLLECTED: 11 / 0 / 1957
 SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 510.0 LOG TYPE: Electric Log
 SOURCE: HAMER A J WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.0	MODESTO	PIASA	UNCLASSIFIED	-	333.0	
80.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	374.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
9.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	445.0	
-14.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	468.0	
-56.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	510.0	

MAPID: 0270165000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 22 QUARTERS/FOOTAGES: 350' S line, 250' E line
 QUADRANGLE: BREESE LONGITUDE: -89.517383 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.59682 DATE COLLECTED: 11 / 0 / 1957
 SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 381.0 LOG TYPE: Electric Log
 SOURCE: HAMER A J WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	MODESTO	PIASA	LIMESTONE	8.0	335.0	
111.0	MODESTO		UNCLASSIFIED	2.0	343.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
109.0	CARBONDALE		UNCLASSIFIED	10.0	345.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	355.0	
94.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	360.0	
91.5	CARBONDALE		UNCLASSIFIED	2.5	362.5	SHALE ABOVE BRERETON LIMESTONE
89.0	CARBONDALE	BRERETON	LIMESTONE	6.0	365.0	
83.0	CARBONDALE	ANNA	BLACK SHALE	4.0	371.0	
79.0	CARBONDALE	HERRIN	COAL	6.0	375.0	

MAPID: 02700052000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 23 QUARTERS/FOOTAGES: 1500' S line, 2400' W line

QUADRANGLE: BREESE LONGITUDE: -89.508071 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.599717 DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 461.0 LOG TYPE:

SOURCE: CO OP CC WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-16.0	CARBONDALE	HERRIN	COAL	6.9	446.0	C71 CALLED THIS #5; #6 IS CORRECT (CGT)

MAPID: 02700052000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 23 QUARTERS/FOOTAGES: 1500' S line, 2400' W line

QUADRANGLE: BREESE LONGITUDE: -89.508071 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.599717 DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 461.4 LOG TYPE: Drillers Log

SOURCE: COOPERATIVE COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
430.0			CLAY	8.0	0.0	
422.0			SAND	12.0	8.0	
410.0			BOULDERS & GRAVEL	10.0	20.0	
400.0	MODESTO		SANDY SHALE	24.0	30.0	
376.0	MODESTO		SHALE	12.5	54.0	
363.5	MODESTO		SANDY SHALE	2.5	66.5	
361.0	MODESTO		BLACK SHALE	3.0	69.0	
358.0	MODESTO		SANDY SHALE	89.0	72.0	
269.0	MODESTO		ARGILACEOUS SHALE	8.0	161.0	
261.0	MODESTO		SANDY SHALE	11.0	169.0	
250.0	MODESTO		SHALE	15.0	180.0	
235.0	MODESTO		SANDY SHALE	18.0	195.0	
217.0	MODESTO		SANDY SHALE	61.0	213.0	
156.0	MODESTO		BLACK SHALE	2.5	274.0	
153.5	MODESTO		LIMESTONE	1.0	276.5	
152.5	MODESTO		BLACK SHALE	0.5	277.5	
152.0	MODESTO	CHAPEL	COAL	0.8	278.0	
151.2	MODESTO		SANDY SHALE	9.3	278.8	
142.0	MODESTO		SHALE	13.0	288.0	
129.0	MODESTO		SANDSTONE	7.0	301.0	W/ SH PARTINGS
122.0	MODESTO		SHALE	9.0	308.0	
113.0	MODESTO		SANDY SHALE	3.0	317.0	
110.0	MODESTO		BLACK SHALE	6.0	320.0	
104.0	MODESTO		LIMESTONE	2.0	326.0	
102.0	MODESTO		BLACK SHALE	10.0	328.0	
92.0	MODESTO		SHALE	7.0	338.0	
85.0	MODESTO		SHALE	30.0	345.0	
55.0	MODESTO		BLACK SHALE	0.5	375.0	
54.5	MODESTO		ARGILACEOUS SHALE	1.0	375.5	
53.5	MODESTO		SHALE	13.5	376.5	
40.0	MODESTO		SANDY SHALE	1.0	390.0	
39.0	MODESTO		BLACK SHALE	1.0	391.0	
38.0	MODESTO		ARGILACEOUS SHALE	8.0	392.0	
30.0	MODESTO		LIMESTONE	3.5	400.0	
26.5	MODESTO		SHALE	1.5	403.5	
25.0	MODESTO		SHALE	3.0	405.0	
22.0	MODESTO		ARGILACEOUS SHALE	8.0	408.0	
14.0	MODESTO	PIASA	LIMESTONE	6.5	416.0	
7.5	MODESTO		SHALE	6.0	422.5	

1.5	CARBONDALE		LIMESTONE	1.0	428.5
0.5	CARBONDALE		SHALE	4.5	429.5
-4.0	CARBONDALE	BRERETON	LIMESTONE	10.0	434.0
-14.0	CARBONDALE	BRERETON	LIMESTONE	1.5	444.0
-15.5	CARBONDALE	ANNA	BLACK SHALE	0.3	445.5
-15.8	CARBONDALE	HERRIN	COAL	6.9	445.8
-22.8	CARBONDALE		LIMESTONE	8.7	452.8

MAPID: 02700211000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 23 QUARTERS/FOOTAGES: 4000' S line, 2450' W line

QUADRANGLE: BREESE LONGITUDE: -89.507914 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.606616 DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.7 LOGGED (FT.): 0.0 LOG TYPE:

SOURCE: BREESE-TRENTON MINING CO. WELL TYPE: Underground mine

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN COMMENT
56.7	CARBONDALE	HERRIN	COAL	7.5	395.0

MAPID: 02703167000C VERSION: 1

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 23 QUARTERS/FOOTAGES: SW NW

QUADRANGLE: BREESE LONGITUDE: -89.514208 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.604843 DATE COLLECTED: 0 / 0 / 1887

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 399.8 LOG TYPE: Drillers Log

SOURCE: FUTURE COAL & MINING CO. WELL TYPE: Coal Test

COMMENT: PREVIOUSLY LISTED AS #210, 2N-4W-22 SENW

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
442.0			SOIL	2.0	0.0
440.0			HARD PAN	2.0	2.0
438.0			SANDY CLAY	17.0	4.0
421.0			CLAY	5.0	21.0
416.0	BOND	CARTHAGE	LIMESTONE	11.5	26.0
404.5	MODESTO		BLACK SHALE	2.7	37.5
401.8	MODESTO		UNDERCLAY	3.2	40.2
398.7	MODESTO		SANDSTONE	24.0	43.3
374.7	MODESTO		SANDY SHALE	16.0	67.3
358.7	MODESTO		CLAYSTONE & SHALE	21.0	83.3
337.7	MODESTO		LIMESTONE	1.7	104.3
336.0	MODESTO		BLACK SHALE	3.8	106.0
332.2	MODESTO		LIMESTONE	0.5	109.8
331.7	MODESTO		UNDERCLAY	5.0	110.3
326.7	MODESTO		SANDY SHALE	12.5	115.3
314.2	MODESTO		SANDSTONE	7.3	127.8
307.0	MODESTO		SHALE	5.0	135.0
302.0	MODESTO		SANDSTONE	2.0	140.0
300.0	MODESTO		SANDY SHALE	10.0	142.0
290.0	MODESTO		SANDSTONE	7.0	152.0
283.0	MODESTO		SANDY SHALE	20.0	159.0
263.0	MODESTO		SANDSTONE	6.0	179.0
257.0	MODESTO		SHALE	40.0	185.0
217.0	MODESTO		BLACK SHALE	3.0	225.0
214.0	MODESTO	CHAPEL	COAL	1.2	228.0
212.8	MODESTO		LIMESTONE	5.7	229.2
207.2	MODESTO		SANDY SHALE	38.0	234.8
169.2	MODESTO		LIMESTONE	5.0	272.8
164.2	MODESTO		SHALE & BOULDERS	27.0	277.8
137.2	MODESTO		SHALE	28.0	304.8
109.2	MODESTO		LIMESTONE	1.0	332.8
108.2	MODESTO		BLACK SHALE	3.0	333.8
105.2	MODESTO		SANDY SHALE	4.0	336.8
101.2	MODESTO	PIASA	LIMESTONE	2.0	340.8
99.2	MODESTO		BLACK SHALE	4.0	342.8
95.2	CARBONDALE	DANVILLE	COAL	1.0	346.8
94.2	CARBONDALE		SHALE	1.0	347.8
93.2	CARBONDALE		UNDERCLAY	8.0	348.8
85.2	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	356.8

79.2	CARBONDALE		BLACK SHALE	3.0	362.8	
76.2	CARBONDALE	BRERETON	LIMESTONE	4.0	365.8	
72.2	CARBONDALE		LIMESTONE	13.0	369.8	PROB. BKSH
59.2	CARBONDALE	HERRIN	COAL	7.0	382.8	
52.2	CARBONDALE		UNDERCLAY	10.0	389.8	

MAPID: 02700053000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 24 **QUARTERS/FOOTAGES:** 150' S line, 150' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.479692 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.595196 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 449.1 **LOGGED (FT.):** 1077.0 **LOG TYPE:**
SOURCE: BURTON BRO0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.1	CARBONDALE	HERRIN	COAL	6.0	390.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		

MAPID: 02700053000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 24 **QUARTERS/FOOTAGES:** 150' S line, 150' E line
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.479692 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.595196 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 396.0 **LOG TYPE:** Drillers Log
SOURCE: KOCH J O **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	CARBONDALE	HERRIN	COAL	6.0	390.0	

MAPID: 02701585000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 24 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487388 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.601381 DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 358.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.5	MODESTO	PIASA	LIMESTONE	6.5	316.5	
109.0	MODESTO		UNCLASSIFIED	3.5	323.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.5	CARBONDALE		UNCLASSIFIED	6.0	326.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	332.5	
93.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	338.5	
91.0	CARBONDALE		UNCLASSIFIED	2.5	341.0	SHALE ABOVE BRERETON LIMESTONE
88.5	CARBONDALE	BRERETON	LIMESTONE	5.5	343.5	
83.0	CARBONDALE	ANNA	BLACK SHALE	3.0	349.0	
80.0	CARBONDALE	HERRIN	COAL	6.0	352.0	

MAPID: 02701585000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 24 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487388 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.601381 DATE COLLECTED:

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 359.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.0	MODESTO	PIASA	LIMESTONE	6.0	316.0	
110.0	MODESTO		SHALE	6.0	322.0	
104.0	CARBONDALE		SHALE	5.0	328.0	
99.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	333.0	
94.0	CARBONDALE	LAWSON	SHALE	7.0	338.0	
87.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	345.0	
83.0	CARBONDALE	ANNA	SHALE	3.0	349.0	
80.0	CARBONDALE	HERRIN	COAL	7.0	352.0	

MAPID: 02724918000C **VERSION:** 1 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 24 **QUARTERS/FOOTAGES:** 660' S line, 660' E line of SE SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.481486 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.596654 **DATE COLLECTED:** 12 / 5 / 1977
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 394.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. 16533C **WELL TYPE:** Coal Test
COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.7	384.7	

MAPID: 02700252000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 25 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.487412 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.586774 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 445.5 **LOGGED (FT.):** 1097.0 **LOG TYPE:**
SOURCE: YOUNG JIM **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.5	CARBONDALE	HERRIN	COAL	-	381.0	

MAPID: 02701543000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 25 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: BECKEMEYER **LONGITUDE:** -89.496779 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.594336 **DATE COLLECTED:** 4 / 0 / 1957
SURFACE ELEVATION (FT.): 426.0 **LOGGED (FT.):** 364.5 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.1	MODESTO	PIASA	LIMESTONE	5.0	321.9	
99.1	MODESTO		UNCLASSIFIED	4.0	326.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.1	CARBONDALE	DANVILLE	COAL	1.0	330.9	
94.1	CARBONDALE		UNCLASSIFIED	6.0	331.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
88.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	337.9	
82.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	343.9	
79.8	CARBONDALE		UNCLASSIFIED	2.3	346.2	SHALE ABOVE BRERETON LIMESTONE
77.5	CARBONDALE	BRERETON	LIMESTONE	3.5	348.5	
74.0	CARBONDALE	ANNA	BLACK SHALE	6.0	352.0	
68.0	CARBONDALE	HERRIN	COAL	6.5	358.0	

MAPID: 02701543000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 25 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.496779 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.594336 DATE COLLECTED:

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 368.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	4.0	326.0	
96.0	MODESTO		SHALE	7.0	330.0	
89.0	CARBONDALE		SHALE	6.0	337.0	
83.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	343.0	
79.0	CARBONDALE	LAWSON	SHALE	6.0	347.0	
73.0	CARBONDALE	BRERETON	LIMESTONE	2.0	353.0	
71.0	CARBONDALE	ANNA	SHALE	6.0	355.0	
65.0	CARBONDALE	HERRIN	COAL	7.0	361.0	

MAPID: 02701586000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.489752 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.583191 DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 384.0 LOG TYPE: Electric Log

SOURCE: SELLERS RALPH D WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
93.1	MODESTO	PIASA	LIMESTONE	6.0	339.9	
87.1	MODESTO		UNCLASSIFIED	3.0	345.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
84.1	CARBONDALE		UNCLASSIFIED	7.5	348.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
76.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	356.4	
70.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	362.4	
67.3	CARBONDALE		UNCLASSIFIED	3.3	365.7	SHALE ABOVE BRERETON LIMESTONE
64.0	CARBONDALE	BRERETON	LIMESTONE	3.5	369.0	
60.5	CARBONDALE	ANNA	BLACK SHALE	5.5	372.5	
55.0	CARBONDALE	HERRIN	COAL	6.0	378.0	

MAPID: 02701599000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 25 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.494423 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.585143 DATE COLLECTED: 11 / 0 / 1957

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 355.0 LOG TYPE: Electric Log

SOURCE: BRUEGGE, FRED E. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	LIMESTONE	4.0	313.0	
106.0	MODESTO		UNCLASSIFIED	3.0	317.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
103.0	CARBONDALE	DANVILLE	COAL	1.0	320.0	
102.0	CARBONDALE		UNCLASSIFIED	6.0	321.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	327.0	
89.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	333.5	
86.5	CARBONDALE		UNCLASSIFIED	2.5	336.5	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	4.0	339.0	
80.0	CARBONDALE	ANNA	BLACK SHALE	6.0	343.0	
74.0	CARBONDALE	HERRIN	COAL	6.0	349.0	

MAPID: 02701625000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487423 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.586777 DATE COLLECTED: 11 / 0 / 1957

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 379.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO	PIASA	LIMESTONE	7.0	332.0	
96.0	MODESTO		UNCLASSIFIED	3.0	339.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.0	CARBONDALE		UNCLASSIFIED	8.0	342.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
85.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	350.0	
79.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	356.0	
76.5	CARBONDALE		UNCLASSIFIED	2.5	358.5	SHALE ABOVE BRERETON LIMESTONE
74.0	CARBONDALE	BRERETON	LIMESTONE	6.0	361.0	
68.0	CARBONDALE	ANNA	BLACK SHALE	5.0	367.0	
63.0	CARBONDALE	HERRIN	COAL	7.0	372.0	

MAPID: 02724908000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 25 QUARTERS/FOOTAGES: 43' S line, 1114' W line of SW SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.494012 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.58069 DATE COLLECTED: 2 / 10 / 1978
 SURFACE ELEVATION (FT.): LOGGED (FT.): 367.5 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16535C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.3	357.2	

MAPID: 02701655000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 26 QUARTERS/FOOTAGES: SE NW SW
 QUADRANGLE: BREESE LONGITUDE: -89.512984 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.585747 DATE COLLECTED: 8 / 0 / 1958
 SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 348.5 LOG TYPE: Electric Log
 SOURCE: LUTTRELL HOMER WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	MODESTO	PIASA	LIMESTONE	4.0	304.0	
115.0	MODESTO		UNCLASSIFIED	3.0	308.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.0	CARBONDALE		UNCLASSIFIED	9.0	311.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	320.0	
98.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	325.0	
96.0	CARBONDALE		UNCLASSIFIED	2.0	327.0	SHALE ABOVE BRERETON LIMESTONE
94.0	CARBONDALE	BRERETON	LIMESTONE	9.5	329.0	
84.5	CARBONDALE	ANNA	BLACK SHALE	3.5	338.5	
81.0	CARBONDALE	HERRIN	COAL	6.5	342.0	

MAPID: 02701655000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 26 QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: BREESE LONGITUDE: -89.512984 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.585747 DATE COLLECTED:

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 355.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	MODESTO	PIASA	LIMESTONE	4.0	304.0	
115.0	MODESTO		SHALE	7.0	308.0	
108.0	CARBONDALE		SHALE	6.0	315.0	
102.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	321.0	
98.0	CARBONDALE	LAWSON	SHALE	5.0	325.0	
93.0	CARBONDALE	CONANT	LIMESTONE	4.0	330.0	
89.0	CARBONDALE		SHALE	5.0	334.0	
84.0	CARBONDALE	BRERETON	LIMESTONE	4.0	339.0	
80.0	CARBONDALE	ANNA	SHALE	5.0	343.0	
75.0	CARBONDALE	HERRIN	COAL	7.0	348.0	

MAPID: 02701917000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: BREESE LONGITUDE: -89.501412 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.587183 DATE COLLECTED: 5 / 0 / 1962

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 340.0 LOG TYPE: Electric Log

SOURCE: DONNEWALD, JAMES H. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.1	MODESTO	PIASA	LIMESTONE	4.5	299.9	
123.6	MODESTO		UNCLASSIFIED	1.5	304.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.1	CARBONDALE		UNCLASSIFIED	7.0	305.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
115.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	312.9	
109.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	318.9	
106.8	CARBONDALE		UNCLASSIFIED	2.3	321.2	SHALE ABOVE BRERETON LIMESTONE
104.5	CARBONDALE	BRERETON	LIMESTONE	7.5	323.5	
97.0	CARBONDALE	ANNA	BLACK SHALE	4.0	331.0	
93.0	CARBONDALE	HERRIN	COAL	5.0	335.0	

MAPID: 02701852000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 660' W line

QUADRANGLE: BREESE LONGITUDE: -89.532801 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.5955 DATE COLLECTED: 3 / 0 / 1961

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 388.0 LOG TYPE: Electric Log

SOURCE: ATKINS AND HALE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.1	MODESTO	PIASA	LIMESTONE	6.0	339.9	
94.1	MODESTO		UNCLASSIFIED	2.0	345.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
92.1	CARBONDALE		UNCLASSIFIED	11.5	347.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
80.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	359.4	
74.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	365.9	
71.3	CARBONDALE		UNCLASSIFIED	2.8	368.7	SHALE ABOVE BRERETON LIMESTONE
68.5	CARBONDALE	BRERETON	LIMESTONE	6.5	371.5	
62.0	CARBONDALE	ANNA	BLACK SHALE	3.0	378.0	
59.0	CARBONDALE	HERRIN	COAL	7.0	381.0	

MAPID: 02701852000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 660' W line

QUADRANGLE: BREESE LONGITUDE: -89.532801 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.5955 DATE COLLECTED:

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 390.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	MODESTO	PIASA	LIMESTONE	5.0	345.0	
92.0	MODESTO		SHALE	4.0	350.0	
88.0	CARBONDALE		SHALE	7.0	354.0	
81.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	361.0	
77.0	CARBONDALE	LAWSON	SHALE	7.0	365.0	
70.0	CARBONDALE	BRERETON	LIMESTONE	7.0	372.0	
63.0	CARBONDALE	ANNA	SHALE	4.0	379.0	
59.0	CARBONDALE	HERRIN	COAL	7.0	383.0	

MAPID: 02703907000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 27 QUARTERS/FOOTAGES: 815' S line, 54' W line of NW

QUADRANGLE: BREESE LONGITUDE: -89.534931 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.591377 DATE COLLECTED: 3 / 18 / 1971

SURFACE ELEVATION (FT.): 448.6 LOGGED (FT.): 636.8 LOG TYPE: Survey Core Study

SOURCE: BELL & ZOLLER 1 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
77.4	CARBONDALE	HERRIN	COAL	8.0	371.2
15.2	CARBONDALE	HOUCHIN CREEK	COAL	2.6	433.4
-8.2			COAL	1.0	456.8
-50.9			COAL	1.8	499.5
-67.3			COAL	0.3	515.9
-71.5			COAL	0.3	520.1
-74.6			COAL	0.1	523.2
-93.4			COAL	7.1	542.0

MAPID: 02703907000C VERSION: 2

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 27 QUARTERS/FOOTAGES: 815' S line, 54' W line of NW

QUADRANGLE: BREESE LONGITUDE: -89.534931 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.591377 DATE COLLECTED: 3 / 11 / 1971

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 383.1 LOG TYPE: Drillers Log

SOURCE: BELL AND ZOLLER, #1 WELL TYPE: Coal Test

COMMENT: C.WALTERING FARM; CORE DESC ALSO AVAIL

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
449.0			UNCONSOLIDATED	30.9	0.0	
418.1	BOND		SILTY SHALE	13.1	30.9	
405.0	BOND	CARTHAGE	LIMESTONE	2.7	44.0	
402.3	MODESTO		SHALE	9.0	46.7	
393.3	MODESTO		BLACK SHALE	2.3	55.7	
391.0	MODESTO		SANDY SHALE	26.0	58.0	W/ SS SEAMS
365.0	MODESTO		FOSSILIFEROUS LIMESTONE	1.4	84.0	
363.6	MODESTO		SANDY SHALE	8.6	85.4	W/ SS SEAMS
355.0	MODESTO		SHALE	18.5	94.0	
336.5	MODESTO		SANDY SHALE	9.0	112.5	
327.5	MODESTO		SANDSTONE	4.5	121.5	
323.0	MODESTO		SANDY SHALE	49.0	126.0	
274.0	MODESTO		SILTY SHALE	28.5	175.0	
245.5	MODESTO		SHALE	2.0	203.5	
243.5	MODESTO		LIMESTONE	0.7	205.5	
242.8	MODESTO		SILTY, SANDY SHALE	51.3	206.2	
191.5	MODESTO		FOSSILIFEROUS LIMESTONE	2.3	257.5	
189.2	MODESTO		SILTY SHALE	37.8	259.8	
151.3	MODESTO		SILTY SHALE	3.3	297.7	W/ SIDERITE
148.0	MODESTO		SHALE	1.0	301.0	
147.0	MODESTO		SILTY SHALE	12.8	302.0	
134.2	MODESTO		SHALE	5.3	314.8	
129.0	MODESTO		SHALE	10.5	320.0	
118.5	MODESTO	PIASA	LIMESTONE	7.3	330.5	
111.2	MODESTO		SHALE	6.8	337.8	
104.3	CARBONDALE	DANVILLE	COAL	1.8	344.7	
102.5	CARBONDALE		SHALE	3.9	346.5	
98.6	CARBONDALE	BANKSTON FORK	FOSSILIFEROUS LIMESTONE	4.6	350.4	
94.0	CARBONDALE	BANKSTON FORK	CALCAREOUS SHALE	1.2	355.0	
92.8	CARBONDALE	BANKSTON FORK	LIMESTONE	1.3	356.2	
91.6	CARBONDALE		SILTY SHALE	4.1	357.4	
87.5	CARBONDALE	CONANT	LIMESTONE	1.5	361.5	
86.0	CARBONDALE		SHALE	0.8	363.0	
85.2	CARBONDALE	BRERETON	LIMESTONE	2.0	363.8	
83.2	CARBONDALE	BRERETON	FOSSILIFEROUS LIMESTONE	3.5	365.8	
79.7	CARBONDALE		SHALE	1.8	369.3	

77.8	CARBONDALE	HERRIN	COAL	8.1	371.2	
69.7	CARBONDALE		CLAYSTONE & SILTSTONE	1.6	379.3	
68.2	CARBONDALE		SILTY SHALE	2.3	380.8	W/LS NODS

MAPID: 02701377000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 28 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: BREESE **LONGITUDE:** -89.543217 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.588423 **DATE COLLECTED:** 10 / 0 / 1952
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 397.0 **LOG TYPE:** Electric Log
SOURCE: DITTMEIER FRANK L JR **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.6	MODESTO		UNCLASSIFIED	2.5	352.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.1	CARBONDALE		UNCLASSIFIED	12.0	354.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	366.9	
78.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	374.9	
75.3	CARBONDALE		UNCLASSIFIED	2.8	377.7	SHALE ABOVE BRERETON LIMESTONE
72.5	CARBONDALE	BRERETON	LIMESTONE	6.0	380.5	
66.5	CARBONDALE	ANNA	BLACK SHALE	3.5	386.5	
63.0	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02701377000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 28 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: BREESE **LONGITUDE:** -89.543217 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.588423 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 398.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	MODESTO	PIASA	LIMESTONE	8.0	346.0	
99.0	MODESTO		SHALE	5.0	354.0	
94.0	CARBONDALE	DANVILLE	COAL	2.0	359.0	
92.0	CARBONDALE		SHALE	7.0	361.0	
85.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	368.0	
78.0	CARBONDALE	LAWSON	SHALE	5.0	375.0	
73.0	CARBONDALE	BRERETON	LIMESTONE	7.0	380.0	
66.0	CARBONDALE	ANNA	SHALE	3.0	387.0	
63.0	CARBONDALE	HERRIN	COAL	8.0	390.0	

MAPID: 02703369000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 29 QUARTERS/FOOTAGES: 1320' N line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.572263 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.593657 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 352.3 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8018C WELL TYPE: Coal Test

COMMENT: LOC IMPRECISE. SAME COORDS AS 027-03370

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
142.3	MODESTO	PIASA	LIMESTONE	8.0	305.7	
134.3	MODESTO		GRAY SHALE	3.7	313.7	
130.6	CARBONDALE	DANVILLE	COAL	1.3	317.4	
129.3	CARBONDALE		GRAY SHALE	5.5	318.7	
123.8	CARBONDALE	BANKSTON FORK	LIMESTONE	4.6	324.2	UPPER BENCH
119.2	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.4	328.8	SHALE PARTING
118.8	CARBONDALE	BANKSTON FORK	LIMESTONE	1.7	329.2	LOWER BENCH
117.1	CARBONDALE	LAWSON	DARK GRAY SHALE	4.5	330.9	
112.6	CARBONDALE	JAMESTOWN	CALCAREOUS SHALE	2.5	335.4	
110.1	CARBONDALE		DARK GRAY SHALE	0.6	337.9	
109.5	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.5	338.5	
106.1	CARBONDALE	ANNA	BLACK SHALE	2.1	341.9	
104.0	CARBONDALE	HERRIN	COAL	8.3	344.0	

MAPID: 02703369000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 29 QUARTERS/FOOTAGES: 1320' N line, 0' W line

QUADRANGLE: BREESE LONGITUDE: -89.572263 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.593657 DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 362.3 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8018C WELL TYPE: Coal Test

COMMENT: LOC IMPRECISE. SAME COORDS AS 027-03370

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
142.5	MODESTO	PIASA	LIMESTONE	7.0	315.5	
135.5	MODESTO		UNCLASSIFIED	1.7	322.5	
133.8	CARBONDALE		UNCLASSIFIED	9.8	324.2	
124.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.7	334.0	
117.3	CARBONDALE	ANVIL ROCK	SANDSTONE	4.5	340.7	
112.8	CARBONDALE	CONANT	LIMESTONE	2.2	345.2	
110.6	CARBONDALE	JAMESTOWN	COAL	0.4	347.4	
110.2	CARBONDALE		SHALE	0.6	347.8	
109.6	CARBONDALE	BRERETON	LIMESTONE	3.5	348.4	
106.1	CARBONDALE	ANNA	BLACK SHALE	2.1	351.9	
104.0	CARBONDALE	HERRIN	COAL	8.3	354.0	

MAPID: 02703369000C **VERSION:** 3 **PROJECT:** CONF
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 29 **QUARTERS/FOOTAGES:** 1320' N line, 0' W line
QUADRANGLE: BREESE **LONGITUDE:** -89.572263 **GEOLOGIST:** LOG BOOK
CONFIDENTIAL: N **LATITUDE:** 38.593657 **DATE COLLECTED:** 5 / 18 / 1967
SURFACE ELEVATION (FT.): 448.1 **LOGGED (FT.):** 353.2 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8018C **WELL TYPE:** Coal Test
COMMENT: LOC IMPRECISE. SAME COORDS AS 027-03370

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.8	CARBONDALE	HERRIN	COAL	8.3	344.3	

MAPID: 02703370000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 30 **QUARTERS/FOOTAGES:** 1320' N line, 0' E line
QUADRANGLE: BREESE **LONGITUDE:** -89.572263 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.593657 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 454.0 **LOGGED (FT.):** 380.3 **LOG TYPE:** Survey Core Study
SOURCE: PEABODY COAL CO. 8017C **WELL TYPE:** Coal Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.5	MODESTO	PIASA	LIMESTONE	7.1	327.5	
119.4	MODESTO		GRAY SHALE	8.1	334.6	
111.3	CARBONDALE	DANVILLE	COAL	1.4	342.7	
109.9	CARBONDALE		GRAY SHALE	8.0	344.1	
101.9	CARBONDALE	BANKSTON FORK	LIMESTONE	4.8	352.1	UPPER BENCH
97.1	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.6	356.9	SHALE PARTING
96.5	CARBONDALE	BANKSTON FORK	LIMESTONE	1.8	357.5	LOWER BENCH
94.7	CARBONDALE	LAWSON	DARK GRAY SHALE	5.7	359.3	
89.0	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	3.8	365.0	
85.2	CARBONDALE	ANNA	BLACK SHALE	3.2	368.8	
82.0	CARBONDALE	HERRIN	COAL	8.3	372.0	

MAPID: 02703370000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 30 QUARTERS/FOOTAGES: 1320' N line, 0' E line
 QUADRANGLE: BREESE LONGITUDE: -89.572263 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.593657 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 388.3 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 8017C WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
127.1	MODESTO	PIASA	LIMESTONE	7.1	334.9
120.0	MODESTO		UNCLASSIFIED	3.1	342.0
116.9	CARBONDALE		UNCLASSIFIED	14.4	345.1
102.5	CARBONDALE	BANKSTON FORK	LIMESTONE	7.2	359.5
95.3	CARBONDALE	ANVIL ROCK	SANDSTONE	3.3	366.7
92.0	CARBONDALE	CONANT	LIMESTONE	1.5	370.0
90.5	CARBONDALE		SHALE	1.0	371.5
89.5	CARBONDALE	BRERETON	LIMESTONE	4.3	372.5
85.2	CARBONDALE	ANNA	BLACK SHALE	3.2	376.8
82.0	CARBONDALE	HERRIN	COAL	8.3	380.0

MAPID: 02703370000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 30 QUARTERS/FOOTAGES: 1320' N line, 0' E line
 QUADRANGLE: BREESE LONGITUDE: -89.572263 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.593657 DATE COLLECTED: 5 / 11 / 1967
 SURFACE ELEVATION (FT.): 453.9 LOGGED (FT.): 382.4 LOG TYPE: Survey Core Study
 SOURCE: PEABODY COAL CO. 8017C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
82.0	CARBONDALE	HERRIN	COAL	8.3	371.9

MAPID: 02701272000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 430' W line of NW
 QUADRANGLE: BREESE LONGITUDE: -89.570899 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.57627 DATE COLLECTED: 8 / 0 / 1956
 SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	7.0	
-	MODESTO		UNCLASSIFIED	2.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	9.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	

MAPID: 02701456000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 2N 4W

SECTION: 32

QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: BREESE

LONGITUDE: -89.559455

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.581542

DATE COLLECTED: 9 / 0 / 1953

SURFACE ELEVATION (FT.): 438.0

LOGGED (FT.): 404.5

LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.5	MODESTO	PIASA	LIMESTONE	5.0	355.5	
77.5	MODESTO		UNCLASSIFIED	3.5	360.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
74.0	CARBONDALE		UNCLASSIFIED	10.0	364.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
64.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	374.0	
56.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	382.0	
51.0	CARBONDALE		UNCLASSIFIED	3.0	387.0	SHALE ABOVE BRERETON LIMESTONE
48.0	CARBONDALE	BRERETON	LIMESTONE	4.0	390.0	
44.0	CARBONDALE	ANNA	BLACK SHALE	3.0	394.0	
41.0	CARBONDALE	HERRIN	COAL	7.5	397.0	

MAPID: 02701456000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON

TWP/RNG: 2N 4W

SECTION: 32

QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: BREESE

LONGITUDE: -89.559455

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.581542

DATE COLLECTED:

SURFACE ELEVATION (FT.): 437.0

LOGGED (FT.): 360.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	MODESTO	PIASA	LIMESTONE	10.0	315.0	
112.0	MODESTO		SHALE	6.0	325.0	
106.0	CARBONDALE	DANVILLE	BONE COAL	1.0	331.0	
105.0	CARBONDALE		SHALE	6.0	332.0	
99.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	338.0	
93.0	CARBONDALE	LAWSON	SHALE	5.0	344.0	
88.0	CARBONDALE	BRERETON	LIMESTONE	5.0	349.0	
83.0	CARBONDALE	ANNA	SHALE	2.0	354.0	
81.0	CARBONDALE	HERRIN	COAL	4.0	356.0	

MAPID: 02701456000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 32 QUARTERS/FOOTAGES: NE NW NE
 QUADRANGLE: BREESE LONGITUDE: -89.559455 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.581542 DATE COLLECTED: 9 / 0 / 1953
 SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 526.0 LOG TYPE: Electric Log
 SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	MODESTO	PIASA	UNCLASSIFIED	-	358.0	
65.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	373.0	
38.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	400.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO COAL HORIZON IDENTIFIABLE
-15.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	453.0	
-45.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	483.0	
-88.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	526.0	

MAPID: 02701546000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 32 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE
 QUADRANGLE: BREESE LONGITUDE: -89.559445 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.581544 DATE COLLECTED: 5 / 0 / 1957
 SURFACE ELEVATION (FT.): 437.0 LOGGED (FT.): 358.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.6	MODESTO	PIASA	LIMESTONE	7.0	312.4	
117.6	MODESTO		UNCLASSIFIED	2.5	319.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.1	CARBONDALE		UNCLASSIFIED	12.0	321.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	333.9	
96.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	340.9	
93.8	CARBONDALE		UNCLASSIFIED	2.3	343.2	SHALE ABOVE BRERETON LIMESTONE
91.5	CARBONDALE	BRERETON	LIMESTONE	5.5	345.5	
86.0	CARBONDALE	ANNA	BLACK SHALE	2.0	351.0	
84.0	CARBONDALE	HERRIN	COAL	5.0	353.0	

MAPID: 02700556000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 33 **QUARTERS/FOOTAGES:** 94' S line, 103' W line of SE
QUADRANGLE: BREESE **LONGITUDE:** -89.544053 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.567728 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 3305.0 **LOG TYPE:**
SOURCE: TRUMBULL **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	CARBONDALE	HERRIN	COAL	5.0	345.0	DEPTH UNCERTAIN

MAPID: 02700556000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 33 **QUARTERS/FOOTAGES:** 94' S line, 103' W line of SE
QUADRANGLE: BREESE **LONGITUDE:** -89.544053 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.567728 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 355.0 **LOG TYPE:** Electric Log
SOURCE: TRUMBULL M C **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	CARBONDALE	HERRIN	COAL	5.0	350.0	

MAPID: 02703152000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 4W **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE NW
QUADRANGLE: BREESE **LONGITUDE:** -89.547863 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.575771 **DATE COLLECTED:** 7 / 0 / 1964
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 357.0 **LOG TYPE:** Electric Log
SOURCE: RICHVIEW OIL EXPLOR. **WELL TYPE:** Structure Test
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	CARBONDALE	HERRIN	COAL	7.0	350.0	

MAPID: 02703231000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 33 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: BREESE LONGITUDE: -89.54322 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.575641 DATE COLLECTED: 7 / 0 / 1965

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 367.0 LOG TYPE: Electric Log

SOURCE: NOBLE DVLPMNT CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
127.6	MODESTO	PIASA	LIMESTONE	7.5	318.4	
120.1	MODESTO		UNCLASSIFIED	5.0	325.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.1	CARBONDALE	DANVILLE	COAL	2.0	330.9	
113.1	CARBONDALE		UNCLASSIFIED	10.0	332.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	342.9	
96.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	349.4	
94.3	CARBONDALE		UNCLASSIFIED	2.3	351.7	SHALE ABOVE BRERETON LIMESTONE
92.0	CARBONDALE	BRERETON	LIMESTONE	4.0	354.0	
88.0	CARBONDALE	ANNA	BLACK SHALE	4.0	358.0	
84.0	CARBONDALE	HERRIN	COAL	5.0	362.0	

MAPID: 02703231000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 33 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: BREESE LONGITUDE: -89.54322 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.575641 DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 367.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	LIMESTONE	7.0	320.0	
119.0	MODESTO		SHALE	10.0	327.0	
109.0	CARBONDALE		SHALE	8.0	337.0	
101.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	345.0	
96.0	CARBONDALE	LAWSON	SHALE	5.0	350.0	
91.0	CARBONDALE	BRERETON	LIMESTONE	4.0	355.0	
87.0	CARBONDALE	ANNA	SHALE	3.0	359.0	
84.0	CARBONDALE	HERRIN	COAL	5.0	362.0	

MAPID: 02700054000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 34 QUARTERS/FOOTAGES: 2875' S line, 2125' E line
 QUADRANGLE: BREESE LONGITUDE: -89.523933 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.574893 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 510.8 LOGGED (FT.): 1120.0 LOG TYPE:
 SOURCE: OHIO OIL 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.8	CARBONDALE	HERRIN	COAL	5.0	431.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		

MAPID: 02700054000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 34 QUARTERS/FOOTAGES: 2875' S line, 2125' E line
 QUADRANGLE: BREESE LONGITUDE: -89.523933 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.574893 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 511.0 LOGGED (FT.): 436.0 LOG TYPE: Drillers Log
 SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	CARBONDALE	HERRIN	COAL	5.0	431.0	

MAPID: 02701250000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 34 QUARTERS/FOOTAGES: NE NW SE
 QUADRANGLE: BREESE LONGITUDE: -89.522287 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.573284 DATE COLLECTED: 7 / 0 / 1956
 SURFACE ELEVATION (FT.): 498.0 LOGGED (FT.): 426.5 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	7.0	380.0	
111.0	MODESTO		UNCLASSIFIED	3.0	387.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
108.0	CARBONDALE		UNCLASSIFIED	12.5	390.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	402.5	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	410.0	
85.5	CARBONDALE		UNCLASSIFIED	2.5	412.5	SHALE ABOVE BRERETON LIMESTONE
83.0	CARBONDALE	BRERETON	LIMESTONE	5.0	415.0	
78.0	CARBONDALE	ANNA	BLACK SHALE	3.0	420.0	
75.0	CARBONDALE	HERRIN	COAL	3.5	423.0	

MAPID: 02701250000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 34 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: BREESE LONGITUDE: -89.522287 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.573284 DATE COLLECTED:

SURFACE ELEVATION (FT.): 498.0 LOGGED (FT.): 427.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
118.0	MODESTO	PIASA	LIMESTONE	8.0	380.0
110.0	MODESTO		SHALE	8.0	388.0
102.0	CARBONDALE	DANVILLE	BONE COAL	1.0	396.0
101.0	CARBONDALE		SHALE	6.0	397.0
95.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	403.0
88.0	CARBONDALE	LAWSON	SHALE	5.0	410.0
83.0	CARBONDALE	BRERETON	LIMESTONE	5.0	415.0
78.0	CARBONDALE	ANNA	SHALE	3.0	420.0
75.0	CARBONDALE	HERRIN	COAL	4.0	423.0

MAPID: 02701250000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 34 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: BREESE LONGITUDE: -89.522287 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.573284 DATE COLLECTED: 7 / 0 / 1956

SURFACE ELEVATION (FT.): 498.0 LOGGED (FT.): 754.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
119.0	MODESTO	PIASA	UNCLASSIFIED	-	379.0
103.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	395.0
75.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	423.0
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	
12.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	486.0
-10.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	508.0
-50.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	548.0
-256.0	BASE OF PENN.		UNCLASSIFIED	-	754.0

MAPID: 02701262000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 35 QUARTERS/FOOTAGES: 990' S line, 770' E line

QUADRANGLE: BREESE LONGITUDE: -89.500726 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.568841 DATE COLLECTED: 8 / 0 / 1956

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 363.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.5	MODESTO	PIASA	LIMESTONE	5.0	309.5	
108.5	MODESTO		UNCLASSIFIED	3.0	314.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.5	CARBONDALE		UNCLASSIFIED	15.0	317.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	332.5	
82.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	340.5	
78.5	CARBONDALE		UNCLASSIFIED	4.0	344.5	SHALE ABOVE BRERETON LIMESTONE
74.5	CARBONDALE	BRERETON	LIMESTONE	3.5	348.5	
71.0	CARBONDALE	ANNA	BLACK SHALE	2.0	352.0	
69.0	CARBONDALE	HERRIN	COAL	9.0	354.0	

MAPID: 02701262000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 35 QUARTERS/FOOTAGES: 990' S line, 770' E line

QUADRANGLE: BREESE LONGITUDE: -89.500726 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.568841 DATE COLLECTED:

SURFACE ELEVATION (FT.): 423.0 LOGGED (FT.): 365.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	LIMESTONE	6.0	313.0	
104.0	MODESTO		SHALE	6.0	319.0	
98.0	CARBONDALE	DANVILLE	BONE COAL	1.0	325.0	
97.0	CARBONDALE		SHALE	9.0	326.0	
88.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	335.0	
81.0	CARBONDALE	LAWSON	SHALE	10.0	342.0	
71.0	CARBONDALE	BRERETON	LIMESTONE	3.0	352.0	
68.0	CARBONDALE	ANNA	SHALE	3.0	355.0	
65.0	CARBONDALE	HERRIN	COAL	7.0	358.0	

MAPID: 02701277000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 330' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.499193 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.566952 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 426.0 LOGGED (FT.): 353.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.5	MODESTO	PIASA	LIMESTONE	4.0	297.5	
124.5	MODESTO		UNCLASSIFIED	5.5	301.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
119.0	CARBONDALE		UNCLASSIFIED	13.5	307.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
105.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	320.5	
97.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	328.5	
94.0	CARBONDALE		UNCLASSIFIED	3.5	332.0	SHALE ABOVE BRERETON LIMESTONE
90.5	CARBONDALE	BRERETON	LIMESTONE	7.5	335.5	
83.0	CARBONDALE	ANNA	BLACK SHALE	3.0	343.0	
80.0	CARBONDALE	HERRIN	COAL	7.0	346.0	

MAPID: 02701285000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 35 QUARTERS/FOOTAGES: 990' N line, 990' E line

QUADRANGLE: BREESE LONGITUDE: -89.501433 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.578073 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 374.5 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
93.5	MODESTO	PIASA	LIMESTONE	4.0	328.5	
89.5	MODESTO		UNCLASSIFIED	2.5	332.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
87.0	CARBONDALE		UNCLASSIFIED	9.0	335.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
78.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	344.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	352.0	
67.0	CARBONDALE		UNCLASSIFIED	3.0	355.0	SHALE ABOVE BRERETON LIMESTONE
64.0	CARBONDALE	BRERETON	LIMESTONE	7.0	358.0	
57.0	CARBONDALE	ANNA	BLACK SHALE	3.0	365.0	
54.0	CARBONDALE	HERRIN	COAL	6.5	368.0	

MAPID: 02724919000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 35 QUARTERS/FOOTAGES: 0' N line, 2310' E line of NW NE
 QUADRANGLE: BREESE LONGITUDE: -89.510679 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.581134 DATE COLLECTED: 11 / 9 / 1977
 SURFACE ELEVATION (FT.): LOGGED (FT.): 376.3 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 16626C WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.3	363.5	

MAPID: 02701252000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW
 QUADRANGLE: BECKEMEYER LONGITUDE: -89.489913 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.566748 DATE COLLECTED: 8 / 0 / 1956
 SURFACE ELEVATION (FT.): 424.0 LOGGED (FT.): 355.5 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	MODESTO	PIASA	LIMESTONE	5.5	302.0	
116.5	MODESTO		UNCLASSIFIED	3.5	307.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
113.0	CARBONDALE	DANVILLE	COAL	1.0	311.0	
112.0	CARBONDALE		UNCLASSIFIED	11.0	312.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	323.0	
94.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	330.0	
90.5	CARBONDALE		UNCLASSIFIED	3.5	333.5	SHALE ABOVE BRERETON LIMESTONE
87.0	CARBONDALE	BRERETON	LIMESTONE	8.0	337.0	
79.0	CARBONDALE	ANNA	BLACK SHALE	3.0	345.0	
76.0	CARBONDALE	HERRIN	COAL	7.5	348.0	

MAPID: 02701261000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 36 QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.492216 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.568631 DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 366.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	LIMESTONE	8.0	313.0	
107.0	MODESTO		SHALE	6.0	321.0	
101.0	CARBONDALE	DANVILLE	BONE COAL	1.0	327.0	
100.0	CARBONDALE		SHALE	6.0	328.0	
94.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	334.0	
88.0	CARBONDALE	LAWSON	SHALE	7.0	340.0	
81.0	CARBONDALE	CONANT	LIMESTONE	2.0	347.0	
79.0	CARBONDALE		SHALE	4.0	349.0	
75.0	CARBONDALE	BRERETON	LIMESTONE	4.0	353.0	
71.0	CARBONDALE	ANNA	SHALE	3.0	357.0	
68.0	CARBONDALE	HERRIN	COAL	6.0	360.0	

MAPID: 02701290000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.482857 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.573875 DATE COLLECTED: 12 / 0 / 1956

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 376.0 LOG TYPE: Electric Log

SOURCE: STAPP, JACK WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
96.0	MODESTO	PIASA	LIMESTONE	5.0	325.0	
91.0	MODESTO		UNCLASSIFIED	3.0	330.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
88.0	CARBONDALE		UNCLASSIFIED	8.0	333.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
80.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	341.0	
74.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	347.0	
71.0	CARBONDALE		UNCLASSIFIED	3.0	350.0	SHALE ABOVE BRERETON LIMESTONE
68.0	CARBONDALE	BRERETON	LIMESTONE	8.0	353.0	
60.0	CARBONDALE	ANNA	BLACK SHALE	7.0	361.0	
53.0	CARBONDALE	HERRIN	COAL	8.0	368.0	

MAPID: 02701323000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.487553 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.570345 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 363.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	LIMESTONE	4.0	316.0	
102.0	MODESTO		UNCLASSIFIED	4.0	320.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.0	CARBONDALE	DANVILLE	COAL	1.0	324.0	
97.0	CARBONDALE		UNCLASSIFIED	7.0	325.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	332.0	
84.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	338.0	
81.5	CARBONDALE		UNCLASSIFIED	2.5	340.5	SHALE ABOVE BRERETON LIMESTONE
79.0	CARBONDALE	BRERETON	LIMESTONE	11.0	343.0	
68.0	CARBONDALE	ANNA	BLACK SHALE	3.0	354.0	
65.0	CARBONDALE	HERRIN	COAL	6.0	357.0	

MAPID: 02701540000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW

QUADRANGLE: BECKEMEYER LONGITUDE: -89.494519 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.570514 DATE COLLECTED: 8 / 0 / 1957

SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 369.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.1	MODESTO	PIASA	LIMESTONE	5.0	317.9	
99.1	MODESTO		UNCLASSIFIED	4.0	322.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.1	CARBONDALE		UNCLASSIFIED	9.0	326.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	335.9	
79.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	342.9	
75.8	CARBONDALE		UNCLASSIFIED	3.3	346.2	SHALE ABOVE BRERETON LIMESTONE
72.5	CARBONDALE	BRERETON	LIMESTONE	10.0	349.5	
62.5	CARBONDALE	ANNA	BLACK SHALE	3.5	359.5	
59.0	CARBONDALE	HERRIN	COAL	6.0	363.0	

MAPID: 02701807000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 4W SECTION: 36 QUARTERS/FOOTAGES: 660' S line, 330' W line of SE SE

QUADRANGLE: BECKEMEYER LONGITUDE: -89.482939 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.567501 DATE COLLECTED: 6 / 0 / 1960

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 375.0 LOG TYPE: Electric Log

SOURCE: MCCONNELL, M. W. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.5	MODESTO	PIASA	LIMESTONE	6.0	328.5	
104.5	MODESTO		UNCLASSIFIED	3.0	334.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
101.5	CARBONDALE		UNCLASSIFIED	6.5	337.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	344.0	
87.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	352.0	
84.5	CARBONDALE		UNCLASSIFIED	2.5	354.5	SHALE ABOVE BRERETON LIMESTONE
82.0	CARBONDALE	BRERETON	LIMESTONE	9.0	357.0	
73.0	CARBONDALE	ANNA	BLACK SHALE	3.0	366.0	
70.0	CARBONDALE	HERRIN	COAL	6.0	369.0	

MAPID: 02700029000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 1 QUARTERS/FOOTAGES: 500' S line, 4100' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.609372 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.642659 DATE COLLECTED:

SURFACE ELEVATION (FT.): 474.2 LOGGED (FT.): 1085.0 LOG TYPE:

SOURCE: SIVA OIL 5 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.2	CARBONDALE	HERRIN	COAL	3.0	352.0	

MAPID: 02700029000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 1 QUARTERS/FOOTAGES: 500' S line, 4100' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.609372 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.642659 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 355.0 LOG TYPE: Drillers Log

SOURCE: SIVO OIL CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.0	CARBONDALE	HERRIN	COAL	3.0	352.0	

MAPID: 02701438000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 2 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.614711 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.653051 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 340.0 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
177.0	MODESTO	PIASA	LIMESTONE	5.0	300.0	
172.0	MODESTO		UNCLASSIFIED	5.0	305.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
167.0	CARBONDALE		UNCLASSIFIED	10.0	310.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
157.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.0	320.0	
154.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	323.0	
152.0	CARBONDALE		UNCLASSIFIED	1.0	325.0	SHALE ABOVE BRERETON LIMESTONE
151.0	CARBONDALE	BRERETON	LIMESTONE	5.0	326.0	
146.0	CARBONDALE	ANNA	BLACK SHALE	4.0	331.0	
142.0	CARBONDALE	HERRIN	COAL	5.0	335.0	

MAPID: 02701438000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 2 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.614711 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.653051 DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 340.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
177.0	MODESTO	PIASA	LIMESTONE	5.0	300.0	
172.0	MODESTO		SHALE	8.0	305.0	
164.0	CARBONDALE		SHALE	7.0	313.0	
157.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	320.0	
154.0	CARBONDALE	LAWSON	SHALE	2.0	323.0	
152.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	6.0	325.0	
146.0	CARBONDALE	ANNA	SHALE	4.0	331.0	
142.0	CARBONDALE	HERRIN	COAL	5.0	335.0	

MAPID: 02701438000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 2 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.614711 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.653051 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 474.0 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
177.0	MODESTO	PIASA	UNCLASSIFIED	-	300.0
142.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	335.0
127.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	350.0
94.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	383.0
42.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	435.0
3.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	474.0

MAPID: 02700436000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 3 QUARTERS/FOOTAGES: 2900' N line, 320' E line

QUADRANGLE: HIGHLAND LONGITUDE: -89.633277 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.647598 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 496.9 LOGGED (FT.): 1353.0 LOG TYPE:

SOURCE: KEN BLANKE WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
141.9	CARBONDALE	HERRIN	COAL	5.0	355.0

MAPID: 02700436000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 3 QUARTERS/FOOTAGES: 2900' N line, 320' E line

QUADRANGLE: HIGHLAND LONGITUDE: -89.633277 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.647598 DATE COLLECTED: 6 / 0 / 1938

SURFACE ELEVATION (FT.): 497.0 LOGGED (FT.): 360.0 LOG TYPE: Drillers Log

SOURCE: KENNEDY & BLANKE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
142.0	CARBONDALE	HERRIN	COAL	5.0	355.0

MAPID: 02703781000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 4 QUARTERS/FOOTAGES: 990' S line, 660' W line of NW

QUADRANGLE: HIGHLAND LONGITUDE: -89.667034 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.650842 DATE COLLECTED: 12 / 0 / 1969

SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: PETRO TECH INC WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02700031000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: HIGHLAND **LONGITUDE:** -89.675003 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.639972 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 482.8 **LOGGED (FT.):** 2034.0 **LOG TYPE:**
SOURCE: TRENTON OG **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
162.8	CARBONDALE	HERRIN	COAL	5.0	320.0	

MAPID: 02700031000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 8 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: HIGHLAND **LONGITUDE:** -89.675003 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.639972 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 483.0 **LOGGED (FT.):** 325.0 **LOG TYPE:** Drillers Log
SOURCE: TRENTON OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
163.0	CARBONDALE	HERRIN	COAL	5.0	320.0	

MAPID: 02701243000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 9 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: HIGHLAND **LONGITUDE:** -89.66774 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.627151 **DATE COLLECTED:** 6 / 0 / 1956
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 335.5 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
239.0	MODESTO	PIASA	LIMESTONE	8.0	265.0	
231.0	MODESTO		UNCLASSIFIED	2.0	273.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
229.0	CARBONDALE		UNCLASSIFIED	4.0	275.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
225.0	CARBONDALE	ENERGY	UNCLASSIFIED	51.0	279.0	
174.0	CARBONDALE	HERRIN	COAL	5.5	330.0	

MAPID: 02701243000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 9 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: HIGHLAND LONGITUDE: -89.66774 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.627151 DATE COLLECTED:

SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 335.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
239.0	MODESTO	PIASA	LIMESTONE	8.0	265.0	
231.0	MODESTO		SHALE	20.0	273.0	
211.0	CARBONDALE		SHALE	10.0	293.0	
201.0	CARBONDALE	BANKSTON FORK	CALCAREOUS SHALE	7.0	303.0	
194.0	CARBONDALE	LAWSON	SHALE	13.0	310.0	
181.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	323.0	
178.0	CARBONDALE	ANNA	SHALE	4.0	326.0	
174.0	CARBONDALE	HERRIN	COAL	5.0	330.0	

MAPID: 02701243000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 9 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: HIGHLAND LONGITUDE: -89.66774 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.627151 DATE COLLECTED: 6 / 0 / 1956

SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
239.0	MODESTO	PIASA	UNCLASSIFIED	-	265.0	
175.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	329.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO COAL HORIZON IDENTIFIABLE
120.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	384.0	
54.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	450.0	

MAPID: 02700032000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 13 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: BREESE LONGITUDE: -89.604861 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.622173 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.9 LOGGED (FT.): 1105.0 LOG TYPE:

SOURCE: SIVA OIL 3 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
152.9	CARBONDALE	HERRIN	COAL	4.0	312.0	

MAPID: 02700032000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 13 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: BREESE LONGITUDE: -89.604861 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.622173 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 316.0 LOG TYPE: Drillers Log
 SOURCE: SIVO OIL CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
153.0	CARBONDALE	HERRIN	COAL	4.0	312.0	

MAPID: 02725707000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 13 QUARTERS/FOOTAGES: 2310' N line, 660' W line of SW NW
 QUADRANGLE: BREESE LONGITUDE: -89.610529 GEOLOGIST: LOG BOOK
 CONFIDENTIAL: N LATITUDE: 38.616671 DATE COLLECTED: 6 / 23 / 1967
 SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 403.4 LOG TYPE: Drillers Log
 SOURCE: PEABODY COAL CO. 8043B WELL TYPE: Coal Test
 COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
184.2	CARBONDALE	HERRIN	COAL	0.4	290.8	

MAPID: 02701387000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE
 QUADRANGLE: BREESE LONGITUDE: -89.620995 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.614802 DATE COLLECTED: 7 / 0 / 1954
 SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 334.0 LOG TYPE: Electric Log
 SOURCE: HERCHENROEDER E W WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
189.0	MODESTO	PIASA	LIMESTONE	7.0	278.0	
182.0	MODESTO		UNCLASSIFIED	2.5	285.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
179.5	CARBONDALE		UNCLASSIFIED	7.5	287.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
172.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	295.0	
168.0	CARBONDALE	ENERGY	UNCLASSIFIED	29.0	299.0	
139.0	CARBONDALE	HERRIN	COAL	6.0	328.0	

MAPID: 02700033000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 16 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: TRENTON LONGITUDE: -89.658246 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.618288 DATE COLLECTED: 0 / 0 / 1914

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 344.0 LOG TYPE:

SOURCE: AMELING 0002 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
148.0	CARBONDALE	HERRIN	COAL	7.9	335.0	

MAPID: 02700033000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 16 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: TRENTON LONGITUDE: -89.658246 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.618288 DATE COLLECTED: 0 / 0 / 1914

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 342.9 LOG TYPE: Drillers Log

SOURCE: AMELING BROS. & CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
148.0	CARBONDALE	HERRIN	COAL	7.9	335.0	

MAPID: 02700033000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 16 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: TRENTON LONGITUDE: -89.658246 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.618288 DATE COLLECTED: 0 / 0 / 1914

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 344.0 LOG TYPE: Drillers Log

SOURCE: H.R. AMELING, ST. LOUIS MO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
483.0			CLAY	21.0	0.0	
462.0			SAND	4.0	21.0	
458.0	BOND	CARTHAGE	LIMESTONE	1.0	25.0	
457.0	MODESTO		BLACK SHALE	6.0	26.0	
451.0	MODESTO		SHALE	11.0	32.0	
440.0	MODESTO		SANDY SHALE	21.0	43.0	
419.0	MODESTO		SHALE	56.0	64.0	
363.0	MODESTO		SANDY SHALE	15.0	120.0	
348.0	MODESTO		SANDSTONE	85.0	135.0	
263.0	MODESTO		SANDSTONE	10.0	220.0	W/ COAL STREAKS
253.0	MODESTO		SANDSTONE/SHALE	15.0	230.0	
238.0	MODESTO		SANDSTONE	25.0	245.0	
213.0	MODESTO		SHALE	9.0	270.0	
204.0	MODESTO	PIASA	LIMESTONE	2.0	279.0	
202.0	CARBONDALE	ENERGY	SHALE	53.8	281.0	
148.2	CARBONDALE	HERRIN	COAL	1.0	334.8	UPPER BENCH
147.2	CARBONDALE	HERRIN	SHALE	1.5	335.8	SHALE PARTING
145.7	CARBONDALE	HERRIN	COAL	3.3	337.3	MIDDLE BENCH
142.5	CARBONDALE	HERRIN	BLACK SHALE	0.3	340.5	
142.2	CARBONDALE	HERRIN	COAL	1.9	340.8	LOWER BENCH
140.3	CARBONDALE		UNDERCLAY	1.3	342.7	

MAPID: 02703705000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 21 QUARTERS/FOOTAGES: 1320' S line, 0' E line

QUADRANGLE: TRENTON LONGITUDE: -89.649768

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.601119

DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 364.8

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8724C

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
164.0	MODESTO	PIASA	LIMESTONE	4.8	296.0
159.2	MODESTO		GRAY SHALE	3.5	300.8
155.7	CARBONDALE	DANVILLE	COAL	1.7	304.3
154.0	CARBONDALE		GRAY SHALE	6.7	306.0
147.3	CARBONDALE	BANKSTON FORK	LIMESTONE	4.1	312.7
143.2	CARBONDALE	LAWSON	GRAY SHALE	40.2	316.8
103.0	CARBONDALE	HERRIN	COAL	7.8	357.0

MAPID: 02703705000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 21 QUARTERS/FOOTAGES: 1320' S line, 0' E line

QUADRANGLE: TRENTON LONGITUDE: -89.649768

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.601119

DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 364.8

LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8724C

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
168.1	MODESTO	PIASA	LIMESTONE	4.8	295.9
163.3	MODESTO		UNCLASSIFIED	3.5	300.7
159.8	CARBONDALE	DANVILLE	COAL	1.7	304.2
158.1	CARBONDALE		UNCLASSIFIED	6.7	305.9
151.4	CARBONDALE	BANKSTON FORK	LIMESTONE	4.1	312.6
147.3	CARBONDALE	ENERGY	SHALE	40.3	316.7
107.0	CARBONDALE	HERRIN	COAL	7.8	357.0

MAPID: 02703705000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 21 QUARTERS/FOOTAGES: 1320' S line, 0' E line

QUADRANGLE: TRENTON LONGITUDE: -89.649768

GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.601119

DATE COLLECTED: 5 / 14 / 1969

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 365.3

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8724C

WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
103.4	CARBONDALE	HERRIN	COAL	7.8	356.6 REMOVED BY CO.

MAPID: 02700034000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 23 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: BREESE **LONGITUDE:** -89.613854 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.609404 **DATE COLLECTED:** 0 / 0 / 1912
SURFACE ELEVATION (FT.): 468.1 **LOGGED (FT.):** 1099.0 **LOG TYPE:**
SOURCE: SIVA OIL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
172.1	CARBONDALE	HERRIN	COAL	3.0	296.0	

MAPID: 02700034000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 23 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: BREESE **LONGITUDE:** -89.613854 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.609404 **DATE COLLECTED:** 2 / 0 / 1912
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 299.0 **LOG TYPE:** Drillers Log
SOURCE: SIVO OIL CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
172.0	CARBONDALE	HERRIN	COAL	3.0	296.0	

MAPID: 02701385000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 23 **QUARTERS/FOOTAGES:** SW NW NE
QUADRANGLE: BREESE **LONGITUDE:** -89.620859 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.60935 **DATE COLLECTED:** 6 / 0 / 1951
SURFACE ELEVATION (FT.): 475.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: COLUMBUS EXPLORATION **WELL TYPE:** Dry Hole
COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	3.0		
-	MODESTO		UNCLASSIFIED	5.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	1.0		
-	CARBONDALE		UNCLASSIFIED	3.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0		

MAPID: 02701385000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 23 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: BREESE LONGITUDE: -89.620859 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.60935 DATE COLLECTED:

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 344.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
209.0	MODESTO	PIASA	LIMESTONE	4.0	266.0
205.0	MODESTO		SHALE	7.0	270.0
198.0	CARBONDALE		SHALE	7.0	277.0
191.0	CARBONDALE	LAWSON	SHALE	30.0	284.0

MAPID: 02701385000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 23 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: BREESE LONGITUDE: -89.620859 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.60935 DATE COLLECTED: 6 / 0 / 1951

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 502.0 LOG TYPE: Electric Log

SOURCE: COLUMBUS EXPLORATION WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
209.0	MODESTO	PIASA	UNCLASSIFIED	-	266.0
-	CARBONDALE	HERRIN	UNCLASSIFIED	0.0	WALSHVILLE CHANNEL
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	WALSHVILLE CHANNEL
-27.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	502.0

MAPID: 02701467000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 23 QUARTERS/FOOTAGES: 990' S line, 990' W line of NE

QUADRANGLE: BREESE LONGITUDE: -89.618506 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.607591 DATE COLLECTED: 8 / 0 / 1942

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: RUWALDT, E. J. DRILLING WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	MODESTO	PIASA	LIMESTONE	6.0	
-	MODESTO		UNCLASSIFIED	2.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	4.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	

MAPID: 02700035000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 24 **QUARTERS/FOOTAGES:** SE/c NW NW NE
QUADRANGLE: BREESE **LONGITUDE:** -89.602224 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.611209 **DATE COLLECTED:** 0 / 0 / 1912
SURFACE ELEVATION (FT.): 463.5 **LOGGED (FT.):** 1030.0 **LOG TYPE:**
SOURCE: SIVA OIL 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
183.5	CARBONDALE	HERRIN	COAL	1.0	280.0	

MAPID: 02700036000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 24 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: BREESE **LONGITUDE:** -89.611466 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.605817 **DATE COLLECTED:** 0 / 0 / 1912
SURFACE ELEVATION (FT.): 477.9 **LOGGED (FT.):** 1112.0 **LOG TYPE:**
SOURCE: SIVA OIL 7 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.9	CARBONDALE	HERRIN	COAL	4.0	272.0	

MAPID: 02701386000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 25 **QUARTERS/FOOTAGES:** SW NW NE
QUADRANGLE: BREESE **LONGITUDE:** -89.602032 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.595026 **DATE COLLECTED:** 6 / 0 / 1951
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 301.0 **LOG TYPE:** Electric Log
SOURCE: PRODUCERS PIPELINE **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
195.0	MODESTO	PIASA	LIMESTONE	4.0	262.0	
191.0	MODESTO		UNCLASSIFIED	5.0	266.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
186.0	CARBONDALE	DANVILLE	COAL	1.0	271.0	
185.0	CARBONDALE		UNCLASSIFIED	9.0	272.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
176.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	281.0	
171.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	286.0	
168.0	CARBONDALE		UNCLASSIFIED	3.0	289.0	SHALE ABOVE BRERETON LIMESTONE
165.0	CARBONDALE	BRERETON	LIMESTONE	5.0	292.0	
160.0	CARBONDALE	ANNA	BLACK SHALE	1.0	297.0	
159.0	CARBONDALE	HERRIN	COAL	3.0	298.0	

MAPID: 02701386000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 25 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: BREESE LONGITUDE: -89.602032 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.595026 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 319.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
197.0	MODESTO	PIASA	LIMESTONE	5.0	264.0
192.0	MODESTO		SHALE	10.0	269.0
182.0	CARBONDALE	DANVILLE	BONE COAL	1.0	279.0
181.0	CARBONDALE		SHALE	5.0	280.0
176.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	285.0
171.0	CARBONDALE	LAWSON	SHALE	12.0	290.0
159.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	302.0
157.0	CARBONDALE	ANNA	SHALE	12.0	304.0
145.0	CARBONDALE	HERRIN	COAL	3.0	316.0

MAPID: 02700038000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 26 QUARTERS/FOOTAGES: NE NW NW

QUADRANGLE: TRENTON LONGITUDE: -89.627557 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.59661 DATE COLLECTED: 0 / 0 / 1907

SURFACE ELEVATION (FT.): 437.5 LOGGED (FT.): 1000.0 LOG TYPE:

SOURCE: HOBLITZELL 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
97.5	CARBONDALE	HERRIN	COAL	6.0	340.0

MAPID: 02700038000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 26 QUARTERS/FOOTAGES: NE NW NW

QUADRANGLE: TRENTON LONGITUDE: -89.627557 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.59661 DATE COLLECTED: 0 / 0 / 1907

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 323.0 LOG TYPE: Drillers Log

SOURCE: HOBLITZELL J J WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
118.0	CARBONDALE	HERRIN	COAL	3.0	320.0

MAPID: 02703842000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 26 QUARTERS/FOOTAGES: 990' S line, 990' W line of SE

QUADRANGLE: BREESE LONGITUDE: -89.618132 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.585718 DATE COLLECTED: 4 / 0 / 1970

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 329.5 LOG TYPE: Drillers Log

SOURCE: FARRAR, FLETCHER F. WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
169.5	MODESTO	PIASA	LIMESTONE	5.0	293.5	
164.5	MODESTO		UNCLASSIFIED	3.0	298.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
161.5	CARBONDALE	DANVILLE	COAL	1.0	301.5	
160.5	CARBONDALE		UNCLASSIFIED	7.0	302.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
153.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	309.5	
149.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	313.5	
147.5	CARBONDALE		UNCLASSIFIED	1.0	315.5	SHALE ABOVE BRERETON LIMESTONE
146.5	CARBONDALE	BRERETON	LIMESTONE	5.5	316.5	
141.0	CARBONDALE	ANNA	BLACK SHALE	1.0	322.0	
140.0	CARBONDALE	HERRIN	COAL	6.5	323.0	

MAPID: 02703436000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 27 QUARTERS/FOOTAGES: 1650' S line, 2640' W line

QUADRANGLE: TRENTON LONGITUDE: -89.640249 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.587424 DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 334.6 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8115C WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
175.0	MODESTO	PIASA	LIMESTONE	6.3	285.0	
168.7	MODESTO		GRAY SHALE	2.2	291.3	
166.5	CARBONDALE	DANVILLE	COAL	2.9	293.5	
163.7	CARBONDALE		GRAY SHALE	5.0	296.3	
158.7	CARBONDALE	BANKSTON FORK	LIMESTONE	12.4	301.3	
146.4	CARBONDALE	BRERETON	LIMESTONE/UNDERCLAY	10.0	313.6	
136.4	CARBONDALE	ANNA	BLACK SHALE	3.0	323.6	
133.0	CARBONDALE	HERRIN	COAL	7.6	327.0	

MAPID: 02703436000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 27 QUARTERS/FOOTAGES: 1650' S line, 2640' W line

QUADRANGLE: TRENTON LONGITUDE: -89.640249 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.587424 DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 334.5 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 8115C WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
179.7	MODESTO	PIASA	LIMESTONE	6.3	285.3
173.4	MODESTO		UNCLASSIFIED	2.2	291.6
171.2	CARBONDALE	DANVILLE	COAL	2.8	293.8
168.4	CARBONDALE		UNCLASSIFIED	5.0	296.6
163.4	CARBONDALE	BANKSTON FORK	LIMESTONE	10.0	301.6
153.4	CARBONDALE	ANVIL ROCK	SANDSTONE	2.3	311.6
151.1	CARBONDALE		SHALE	2.0	313.9
149.1	CARBONDALE	BRERETON	LIMESTONE	8.0	315.9
141.1	CARBONDALE	ANNA	BLACK SHALE	3.1	323.9
138.0	CARBONDALE	HERRIN	COAL	7.5	327.0

MAPID: 02703436000C VERSION: 3

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 27 QUARTERS/FOOTAGES: 1650' S line, 2640' W line

QUADRANGLE: TRENTON LONGITUDE: -89.640249 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.587424 DATE COLLECTED: 10 / 9 / 1967

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 335.7 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 8115C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
418.0			COAL WITH SHALE	1.8	42.0
133.3	CARBONDALE	HERRIN	COAL	7.6	326.7

MAPID: 02703359000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 28 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: TRENTON **LONGITUDE:** -89.657658 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.590958 **DATE COLLECTED:** 9 / 0 / 1955
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 352.3 **LOG TYPE:** Electric Log
SOURCE: PHILLIPS PETROLEUM CO. **WELL TYPE:** Structure Test
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
186.0	MODESTO	PIASA	LIMESTONE	7.0	286.0	
179.0	MODESTO		UNCLASSIFIED	2.0	293.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
177.0	CARBONDALE		UNCLASSIFIED	5.0	295.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
172.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	300.0	
167.0	CARBONDALE	ENERGY	UNCLASSIFIED	39.0	305.0	
128.0	CARBONDALE	HERRIN	COAL	8.3	344.0	

MAPID: 02703359000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 28 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: TRENTON **LONGITUDE:** -89.657658 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.590958 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 352.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.0	MODESTO	PIASA	LIMESTONE	7.0	291.0	
174.0	MODESTO		SHALE	4.0	298.0	
170.0	CARBONDALE		SHALE	2.0	302.0	
168.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	304.0	
163.0	CARBONDALE	LAWSON	SHALE	35.0	309.0	
128.0	CARBONDALE	HERRIN	COAL	8.0	344.0	

MAPID: 02700039000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 29 **QUARTERS/FOOTAGES:** 1' S line, 1' W line of NE NW
QUADRANGLE: TRENTON **LONGITUDE:** -89.682108 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.593412 **DATE COLLECTED:** 0 / 0 / 1909
SURFACE ELEVATION (FT.): 485.0 **LOGGED (FT.):** 328.3 **LOG TYPE:** Drillers Log
SOURCE: TRENTON COAL CO **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
162.0	CARBONDALE	HERRIN	COAL	5.3	323.0	

MAPID: 02700039000C VERSION: 2

PROJECT: NCRDS87

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 29 QUARTERS/FOOTAGES: 1' S line, 1' W line of NE NW

QUADRANGLE: TRENTON LONGITUDE: -89.682108 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 38.593412 DATE COLLECTED: 0 / 0 / 1909

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 560.2 LOG TYPE: Drillers Log

SOURCE: TRENTON COAL CO. WELL TYPE: Coal Test

COMMENT: ELEVATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
485.0			UNCONSOLIDATED	42.0	0.0	
443.0	MODESTO		SHALE	58.0	42.0	
385.0	MODESTO		SHALE & SANDSTONE	114.2	100.0	
270.8	MODESTO		CONGLOMERATE	0.7	214.2	
270.2	MODESTO		SHALE	45.2	214.8	
225.0	MODESTO		LIMESTONE	7.3	260.0	
217.7	MODESTO		SHALE	6.8	267.3	
210.8	MODESTO		LIMESTONE	4.4	274.2	
206.4	MODESTO		SHALE	42.4	278.6	
164.0	CARBONDALE	ANNA	BLACK SHALE	2.0	321.0	
162.0	CARBONDALE	HERRIN	COAL	5.3	323.0	
156.7	CARBONDALE		UNDERCLAY	2.8	328.3	
154.0	CARBONDALE		LIMESTONE	5.7	331.0	
148.3	CARBONDALE		UNCLASSIFIED	2.8	336.7	
145.5	CARBONDALE		SHALE	2.0	339.5	
143.5	CARBONDALE		SANDSTONE	4.5	341.5	
139.0	CARBONDALE		SHALE	20.0	346.0	
119.0	CARBONDALE	ST. DAVID	LIMESTONE	1.5	366.0	
117.5	CARBONDALE	TURNER MINE	BLACK SHALE	2.5	367.5	
115.0	CARBONDALE	SPRINGFIELD	COAL	2.5	370.0	
112.5	CARBONDALE		UNDERCLAY	0.5	372.5	
112.0	CARBONDALE		SHALE	16.3	373.0	
95.7	CARBONDALE		LIMESTONE	0.5	389.3	
95.2	CARBONDALE		SHALE	29.5	389.8	
65.7	CARBONDALE	EXCELLO	BLACK SHALE	0.7	419.3	
65.0	CARBONDALE	HOUCHIN CREEK	COAL	0.8	420.0	
64.2	CARBONDALE		SHALE	26.6	420.8	
37.7	CARBONDALE		LIMESTONE	0.7	447.3	
37.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	1.0	448.0	UNCERTAIN CORRELATION
36.0	CARBONDALE	MECCA QUARRY	UNCLASSIFIED	3.3	449.0	UNCERTAIN CORRELATION
32.7	CARBONDALE	MECCA QUARRY	BLACK SHALE	0.4	452.3	UNCERTAIN CORRELATION
32.3	CARBONDALE	COLCHESTER	COAL	1.6	452.7	UNCERTAIN CORRELATION
30.7			UNDERCLAY	1.0	454.3	
29.7			SHALE	5.2	455.3	
24.6			BLACK SHALE	0.5	460.4	
24.1			BONE COAL	1.8	460.9	
22.3			SHALE	1.2	462.7	
21.2			BONE COAL	0.8	463.8	
20.3			SHALE	78.3	464.7	

-58.0	SANDSTONE	8.2	543.0	
-66.2	SHALE	0.8	551.2	
-67.0	COAL	1.0	552.0	
-68.0	SHALE	7.2	553.0	
-75.2	SANDSTONE	19.6	560.2	BASE OF PENN.

MAPID: 02700039000C **VERSION:** 3 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 29 **QUARTERS/FOOTAGES:** 1' S line, 1' W line of NE NW
QUADRANGLE: TRENTON **LONGITUDE:** -89.682108 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.593412 **DATE COLLECTED:** 0 / 0 / 1909
SURFACE ELEVATION (FT.): 485.0 **LOGGED (FT.):** 641.0 **LOG TYPE:**
SOURCE: TRENTON CC0001 **WELL TYPE:** Coal Test
COMMENT: LOCATION AND SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
162.0	CARBONDALE	HERRIN	COAL	5.3	323.0	
115.0	CARBONDALE	SPRINGFIELD	COAL	2.5	370.0	

MAPID: 02700039000C VERSION: 4

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 29 QUARTERS/FOOTAGES: 1' S line, 1' W line of NE NW

QUADRANGLE: TRENTON LONGITUDE: -89.682108 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.593412 DATE COLLECTED: 0 / 0 / 1909

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 641.0 LOG TYPE: Drillers Log

SOURCE: TRENTON COAL CO., #1 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
485.0			CLAY	22.0	0.0	
463.0			CLAY	20.0	22.0	
443.0	MODESTO		SHALE	1.0	42.0	
442.0	MODESTO		SANDY SHALE	57.0	43.0	
385.0	MODESTO		SANDSTONE	22.0	100.0	SH PARTINGS
363.0	MODESTO		SANDSTONE	47.0	122.0	
316.0	MODESTO		SHALE	2.0	169.0	
314.0	MODESTO		SANDSTONE	26.0	171.0	
288.0	MODESTO		SANDSTONE/LIMESTONE	2.5	197.0	
285.5	MODESTO		SANDSTONE	14.7	199.5	
270.8	MODESTO		CONGLOMERATE	0.7	214.2	
270.2	MODESTO		SHALE	15.2	214.8	
255.0	MODESTO		CALCAREOUS SHALE	7.0	230.0	
248.0	MODESTO		SHALE	20.0	237.0	
228.0	MODESTO		SHALE	3.0	257.0	W/ LS NODS
225.0	MODESTO	PIASA	LIMESTONE	7.3	260.0	
217.7	CARBONDALE		SHALE	6.8	267.3	
210.8	CARBONDALE	BANKSTON FORK	LIMESTONE	4.5	274.2	
206.3	CARBONDALE	ENERGY	SANDY SHALE	8.3	278.7	
198.0	CARBONDALE	ENERGY	SHALE	34.0	287.0	
164.0	CARBONDALE	HERRIN	COAL	7.3	321.0	
156.7	CARBONDALE		UNDERCLAY	2.8	328.3	
154.0	CARBONDALE		LIMESTONE	5.7	331.0	
148.3	CARBONDALE		CLAYSTONE & SHALE	4.8	336.7	CLYSH W/ LS NODS
143.5	CARBONDALE		SANDSTONE	4.5	341.5	
139.0	CARBONDALE		SHALE	20.0	346.0	
119.0	CARBONDALE	HANOVER	LIMESTONE	1.5	366.0	
117.5	CARBONDALE		BLACK SHALE	2.5	367.5	
115.0	CARBONDALE	HOUCHIN CREEK	COAL	2.5	370.0	
112.5	CARBONDALE		UNDERCLAY	0.5	372.5	
112.0	CARBONDALE		SANDY SHALE	13.0	373.0	
99.0	CARBONDALE		CALCAREOUS SHALE	3.3	386.0	
95.7	CARBONDALE		LIMESTONE	0.5	389.3	
95.2	CARBONDALE		SHALE	29.5	389.8	
65.7	CARBONDALE		BLACK SHALE	0.7	419.3	
65.0	CARBONDALE	SURVANT	COAL	0.8	420.0	
64.2	CARBONDALE		SHALE	26.6	420.8	
37.7	CARBONDALE		LIMESTONE	0.7	447.3	
37.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	4.3	448.0	

32.7	CARBONDALE	COLCHESTER	COAL	2.0	452.3
30.7	SPOON		UNDERCLAY	1.0	454.3
29.7	SPOON		CLAYSTONE & SHALE	5.2	455.3
24.6	SPOON		BLACK SHALE	0.5	460.4
24.1	SPOON	DEKOVEN	COAL	1.8	460.9
22.3	SPOON		SHALE	1.2	462.7
21.2	SPOON	DAVIS	COAL	0.8	463.8
20.4	SPOON		SHALE	10.4	464.6
10.0	SPOON		SHALE	68.0	475.0
-58.0	SPOON		SANDSTONE	8.2	543.0
-66.2	SPOON		SHALE	0.8	551.2
-67.0	SPOON		COAL	1.0	552.0
-68.0	SPOON		CLAYSTONE	3.0	553.0
-71.0	SPOON		SHALE	4.2	556.0
-75.2	SPOON		SANDSTONE	19.6	560.2
-94.8	SPOON		LIMESTONE	11.3	579.8
-106.0	SPOON		SANDY SHALE	8.0	591.0
-114.0	MISSISSIPPIAN		SANDSTONE/LIMESTONE	42.0	599.0

MAPID: 02700208000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 2N 5W **SECTION:** 29 **QUARTERS/FOOTAGES:** 3800' S line, 4375' E line
QUADRANGLE: TRENTON **LONGITUDE:** -89.683451 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.592982 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 485.6 **LOGGED (FT.):** 0.0 **LOG TYPE:**
SOURCE: TRENTON CC0001 **WELL TYPE:** Underground mine
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
171.6	CARBONDALE	HERRIN	COAL	6.0	314.0

MAPID: 02701388000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 29 QUARTERS/FOOTAGES: NE SW NE
 QUADRANGLE: TRENTON LONGITUDE: -89.67391 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.59258 DATE COLLECTED: 9 / 0 / 1952
 SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 328.0 LOG TYPE: Drillers Log
 SOURCE: MICHELS A A WELL TYPE: Water Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
227.0	MODESTO	PIASA	LIMESTONE	7.3	261.0	
219.7	MODESTO		UNCLASSIFIED	2.5	268.3	INTERVAL ABOVE DANVILLE, BELOW PIASA
217.2	CARBONDALE		UNCLASSIFIED	5.2	270.8	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
212.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	276.0	
206.0	CARBONDALE	ENERGY	UNCLASSIFIED	40.0	282.0	
166.0	CARBONDALE	HERRIN	COAL	6.0	322.0	

MAPID: 02701388000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 29 QUARTERS/FOOTAGES: NE SW NE
 QUADRANGLE: TRENTON LONGITUDE: -89.67391 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.59258 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 328.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
227.0	MODESTO	PIASA	LIMESTONE	8.0	261.0	
219.0	MODESTO		SHALE	5.0	269.0	
214.0	CARBONDALE		SHALE	3.0	274.0	
211.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	277.0	
208.0	CARBONDALE	LAWSON	SHALE	42.0	280.0	
166.0	CARBONDALE	HERRIN	COAL	6.0	322.0	

MAPID: 02701388000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 29 QUARTERS/FOOTAGES: NE SW NE
 QUADRANGLE: TRENTON LONGITUDE: -89.67391 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.59258 DATE COLLECTED: 9 / 0 / 1952
 SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 600.0 LOG TYPE: Electric Log
 SOURCE: MICHELS A A WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
227.0	MODESTO	PIASA	UNCLASSIFIED	-	261.0	
203.0	CARBONDALE	ENERGY	UNCLASSIFIED	37.0	285.0	
166.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	322.0	
154.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	334.0	
118.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	370.0	
78.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	410.0	
40.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	448.0	
-112.0	BASE OF PENN.		UNCLASSIFIED	-	600.0	

MAPID: 02703782000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 29 QUARTERS/FOOTAGES: 1650' S line, 600' E line of SW
 QUADRANGLE: TRENTON LONGITUDE: -89.679507 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.587072 DATE COLLECTED: 1 / 0 / 1970
 SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 315.0 LOG TYPE: Electric Log
 SOURCE: PETROTECH, INC. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
241.5	MODESTO	PIASA	LIMESTONE	5.0	252.5	
236.5	MODESTO		UNCLASSIFIED	2.5	257.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
234.0	CARBONDALE		UNCLASSIFIED	6.5	260.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
227.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.5	266.5	
223.0	CARBONDALE	ENERGY	UNCLASSIFIED	39.0	271.0	
184.0	CARBONDALE	HERRIN	COAL	5.0	310.0	

MAPID: 02700040000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 31 QUARTERS/FOOTAGES: SW/c SE SW SE
 QUADRANGLE: TRENTON LONGITUDE: -89.692483 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.568893 DATE COLLECTED: 0 / 0 / 1909
 SURFACE ELEVATION (FT.): 477.2 LOGGED (FT.): 361.0 LOG TYPE:
 SOURCE: TRENTON CC0003 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.2	CARBONDALE	HERRIN	COAL	6.8	353.0	

MAPID: 02700040000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 2N 5W

SECTION: 31

QUARTERS/FOOTAGES: SW/c SE SW SE

QUADRANGLE: TRENTON

LONGITUDE: -89.692483

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.568893

DATE COLLECTED: 0 / 0 / 1909

SURFACE ELEVATION (FT.): 477.0

LOGGED (FT.): 358.4

LOG TYPE: Drillers Log

SOURCE: TRENTON COAL CO

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.7	MODESTO	PIASA	LIMESTONE	6.5	295.3	
175.2	MODESTO		UNCLASSIFIED	3.0	301.8	INTERVAL ABOVE DANVILLE, BELOW PIASA
172.2	CARBONDALE		UNCLASSIFIED	7.0	304.8	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
165.2	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	311.8	
157.7	CARBONDALE	ENERGY	UNCLASSIFIED	32.7	319.3	
125.0	CARBONDALE	HERRIN	COAL	6.4	352.0	

MAPID: 02700040000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON

TWP/RNG: 2N 5W

SECTION: 31

QUARTERS/FOOTAGES: SW/c SE SW SE

QUADRANGLE: TRENTON

LONGITUDE: -89.692483

GEOLOGIST: S.SROKA

CONFIDENTIAL: N

LATITUDE: 38.568893

DATE COLLECTED: 0 / 0 / 1909

SURFACE ELEVATION (FT.): 477.2

LOGGED (FT.): 361.0

LOG TYPE: Drillers Log

SOURCE: TRENTON COAL CO., #3

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
477.2			SOIL	1.0	0.0	
476.2			CLAY	19.0	1.0	
457.2			BOULDER	1.0	20.0	
456.2	BOND	CARTHAGE	LIMESTONE	3.1	21.0	
453.1	MODESTO		BLACK SHALE	4.5	24.1	
448.6	MODESTO		LIMESTONE	0.6	28.6	
448.0	MODESTO		SHALE	6.8	29.2	
441.2	MODESTO		SANDY SHALE	14.0	36.0	
427.2	MODESTO		SHALE	1.5	50.0	
425.7	MODESTO		COAL	2.5	51.5	
423.2	MODESTO		SANDY SHALE	33.0	54.0	
390.2	MODESTO		SHALE	43.0	87.0	
347.2	MODESTO		SANDY SHALE	15.0	130.0	
332.2	MODESTO		SANDSTONE	115.5	145.0	
216.7	MODESTO		CONGLOMERATE	6.0	260.5	
210.7	MODESTO		SHALE	10.5	266.5	
200.2	MODESTO		CALCAREOUS SHALE	6.0	277.0	
194.2	MODESTO		SHALE	1.0	283.0	
193.2	MODESTO		CALCAREOUS SHALE	12.0	284.0	
181.2	MODESTO	PIASA	LIMESTONE	6.5	296.0	
174.7	CARBONDALE		SHALE	3.0	302.5	
171.7	CARBONDALE		SHALE	7.0	305.5	
164.7	CARBONDALE	BANKSTON FORK	LIMESTONE	4.6	312.5	
160.1	CARBONDALE		CALCAREOUS SHALE	2.9	317.1	
157.2	CARBONDALE	ENERGY	SANDY SHALE	3.0	320.0	
154.2	CARBONDALE	ENERGY	SHALE	29.7	323.0	
124.5	CARBONDALE	HERRIN	COAL	6.4	352.7	W/ BLUE BANDS
118.1	CARBONDALE		UNDERCLAY	0.4	359.1	
117.7	CARBONDALE		LIMESTONE	1.5	359.5	

MAPID: 02701768000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: TRENTON LONGITUDE: -89.687962 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.58155 DATE COLLECTED: 10 / 0 / 1959

SURFACE ELEVATION (FT.): 487.0 LOGGED (FT.): 339.0 LOG TYPE: Electric Log

SOURCE: GLASS, THEO G. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
210.0	MODESTO	PIASA	LIMESTONE	5.0	277.0	
205.0	MODESTO		UNCLASSIFIED	2.5	282.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
202.5	CARBONDALE		UNCLASSIFIED	6.5	284.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
196.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	291.0	
192.0	CARBONDALE	ENERGY	UNCLASSIFIED	38.0	295.0	
154.0	CARBONDALE	HERRIN	COAL	6.0	333.0	

MAPID: 02703360000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 31 QUARTERS/FOOTAGES: 110' N line, 190' E line

QUADRANGLE: TRENTON LONGITUDE: -89.687486 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.582161 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 326.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
224.0	MODESTO	PIASA	LIMESTONE	6.0	257.0	
218.0	MODESTO		UNCLASSIFIED	4.0	263.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
214.0	CARBONDALE		UNCLASSIFIED	9.0	267.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
205.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.0	276.0	
202.0	CARBONDALE	ENERGY	UNCLASSIFIED	40.0	279.0	
162.0	CARBONDALE	HERRIN	COAL	7.0	319.0	

MAPID: 02704144000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 31 QUARTERS/FOOTAGES: 45' N line, 1380' W line

QUADRANGLE: TRENTON LONGITUDE: -89.70115 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.582246 DATE COLLECTED: 8 / 13 / 1971

SURFACE ELEVATION (FT.): 505.0 LOGGED (FT.): 377.0 LOG TYPE: Survey Core Study

SOURCE: CARTER OIL COMPANY 7E-489 WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
443.5			COAL	1.5	61.5	
-	CARBONDALE	HERRIN	COAL	-	-	REMOVED BY CO./NO THICKNESS GIVEN

MAPID: 02704144000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 31 QUARTERS/FOOTAGES: 45' N line, 1380' W line

QUADRANGLE: TRENTON LONGITUDE: -89.70115 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.582246 DATE COLLECTED:

SURFACE ELEVATION (FT.): 505.0 LOGGED (FT.): 369.0 LOG TYPE: Survey Core Study

SOURCE: CARTER OIL COMPANY 7E-489 WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
205.2	MODESTO	PIASA	LIMESTONE	4.0	299.8
201.2	MODESTO		GRAY SHALE	7.0	303.8
194.2	CARBONDALE		GRAY SHALE	7.0	310.8
187.2	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	317.8
184.7	CARBONDALE	LAWSON	GRAY SHALE	41.7	320.3
143.0	CARBONDALE	HERRIN	COAL	7.0	362.0

MAPID: 02700041000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 32 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: TRENTON LONGITUDE: -89.66909 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.581676 DATE COLLECTED: 0 / 0 / 1909

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 331.0 LOG TYPE:

SOURCE: TRENTON CC 2 WELL TYPE: Coal Test

COMMENT: LOCATION AND SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
134.0	CARBONDALE	HERRIN	COAL	8.5	321.0

MAPID: 02700041000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 32 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: TRENTON LONGITUDE: -89.66909 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.581676 DATE COLLECTED: 0 / 0 / 1909

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 329.5 LOG TYPE: Drillers Log

SOURCE: TRENTON COAL CO WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
186.3	MODESTO	PIASA	LIMESTONE	6.7	268.7
179.6	MODESTO		UNCLASSIFIED	2.8	275.4
176.8	CARBONDALE	DANVILLE	COAL	1.0	278.2
175.8	CARBONDALE		UNCLASSIFIED	4.8	279.2
171.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	284.0
164.0	CARBONDALE	ENERGY	UNCLASSIFIED	30.0	291.0
134.0	CARBONDALE	HERRIN	COAL	8.5	321.0

MAPID: 02700041000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 32 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: TRENTON LONGITUDE: -89.66909 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.581676 DATE COLLECTED: 0 / 0 / 1909

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 331.0 LOG TYPE: Drillers Log

SOURCE: TRENTON COAL CO., #2 WELL TYPE: Coal Test

COMMENT: LOC. ON CREEK BANK WHICH HAS CAVED IN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
455.0			SOIL	2.0	0.0	
453.0			CLAY	10.0	2.0	
443.0	MODESTO		SHALE	4.0	12.0	
439.0	MODESTO		SANDY SHALE	27.0	16.0	
412.0	MODESTO		SANDSTONE	62.0	43.0	W/ SH PARTINGS
350.0	MODESTO		SANDSTONE	26.0	105.0	
324.0	MODESTO		SANDSTONE/LIMESTONE	1.0	131.0	
323.0	MODESTO		SANDSTONE	10.0	132.0	
313.0	MODESTO		BLACK SHALE	4.0	142.0	
309.0	MODESTO		SANDSTONE	67.0	146.0	W/ COAL PARTING IN 174-184' INTERVAL
242.0	MODESTO		SHALE	24.0	213.0	
218.0	MODESTO		SHALE	6.0	237.0	W/ LS NODS
212.0	MODESTO		SHALE	4.5	243.0	
207.5	MODESTO		CALCAREOUS SHALE	5.5	247.5	
202.0	MODESTO		UNKNOWN	13.0	253.0	SS/LS/SH
189.0	MODESTO		SHALE	3.0	266.0	
186.0	MODESTO		LIMESTONE	6.7	269.0	
179.3	MODESTO		SHALE	2.8	275.7	
176.6	MODESTO		COAL	1.0	278.4	
175.6	MODESTO		UNDERCLAY	4.1	279.4	
171.5	MODESTO		CLAYSTONE & SHALE	0.7	283.5	
170.8	MODESTO	PIASA	LIMESTONE	4.4	284.2	
166.4	CARBONDALE		SHALE	0.5	288.6	
165.9	CARBONDALE	BANKSTON FORK	LIMESTONE	2.1	289.1	
163.8	CARBONDALE	ENERGY	SHALE	2.0	291.2	
161.8	CARBONDALE	ENERGY	SANDY SHALE	4.8	293.2	
157.0	CARBONDALE	ENERGY	SHALE	22.8	298.0	
134.2	CARBONDALE	ENERGY	CLOD	0.3	320.8	"BONEY CLOD"
133.8	CARBONDALE	HERRIN	COAL	8.5	321.2	BLUE BAND 327.92- 328
125.3	CARBONDALE		UNDERCLAY	1.3	329.7	

MAPID: 02701551000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: TRENTON LONGITUDE: -89.678294 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.568963 DATE COLLECTED: 5 / 0 / 1957

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 352.5 LOG TYPE: Electric Log

SOURCE: COLLINS BROTHERS OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
183.0	MODESTO	PIASA	LIMESTONE	5.5	290.0	
177.5	MODESTO		UNCLASSIFIED	4.0	295.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
173.5	CARBONDALE	DANVILLE	COAL	1.0	299.5	
172.5	CARBONDALE		UNCLASSIFIED	5.5	300.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
167.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	306.0	
163.0	CARBONDALE	ENERGY	UNCLASSIFIED	36.0	310.0	
127.0	CARBONDALE	HERRIN	COAL	6.5	346.0	

MAPID: 02703361000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 32 QUARTERS/FOOTAGES: 45' N line, 2600' E line

QUADRANGLE: TRENTON LONGITUDE: -89.677061 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.58241 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 320.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
229.5	MODESTO	PIASA	LIMESTONE	6.5	256.5	
223.0	MODESTO		UNCLASSIFIED	3.0	263.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
220.0	CARBONDALE		UNCLASSIFIED	4.5	266.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
215.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.5	270.5	
211.0	CARBONDALE	ENERGY	UNCLASSIFIED	38.0	275.0	
173.0	CARBONDALE	HERRIN	COAL	7.0	313.0	

MAPID: 02703361000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 32 QUARTERS/FOOTAGES: 45' N line, 2600' E line

QUADRANGLE: TRENTON LONGITUDE: -89.677061

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.58241

DATE COLLECTED:

SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 320.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
230.0	MODESTO	PIASA	LIMESTONE	7.0	256.0	
223.0	MODESTO		SHALE	5.0	263.0	
218.0	CARBONDALE		SHALE	3.0	268.0	
215.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	271.0	
211.0	CARBONDALE	LAWSON	SHALE	38.0	275.0	
173.0	CARBONDALE	HERRIN	COAL	7.0	313.0	

MAPID: 02703362000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 33 QUARTERS/FOOTAGES: 90' N line, 110' E line of SE

QUADRANGLE: TRENTON LONGITUDE: -89.649707

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.575234

DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 316.5

LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO.

WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
200.6	MODESTO	PIASA	LIMESTONE	6.5	257.4	
194.1	MODESTO		UNCLASSIFIED	4.0	263.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
190.1	CARBONDALE	DANVILLE	COAL	1.3	267.9	
188.8	CARBONDALE		UNCLASSIFIED	5.7	269.2	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
183.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.3	274.9	
175.8	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	282.2	
173.0	CARBONDALE	BRERETON	LIMESTONE	25.0	285.0	
148.0	CARBONDALE	ANNA	BLACK SHALE	1.0	310.0	
147.0	CARBONDALE	HERRIN	COAL	5.5	311.0	

MAPID: 02703363000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 33 QUARTERS/FOOTAGES: 110' N line, 2540' W line

QUADRANGLE: TRENTON LONGITUDE: -89.658983 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.582408 DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 326.0 LOG TYPE: Electric Log

SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.1	MODESTO	PIASA	LIMESTONE	3.0	263.9	
176.1	MODESTO		UNCLASSIFIED	3.8	266.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
172.3	CARBONDALE	DANVILLE	COAL	1.3	270.7	
171.0	CARBONDALE		UNCLASSIFIED	5.0	272.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
166.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.5	277.0	
161.5	CARBONDALE	ENERGY	UNCLASSIFIED	36.5	281.5	
125.0	CARBONDALE	HERRIN	COAL	8.0	318.0	

MAPID: 02703363000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 33 QUARTERS/FOOTAGES: 110' N line, 2540' W line

QUADRANGLE: TRENTON LONGITUDE: -89.658983 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.582408 DATE COLLECTED:

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 326.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.0	MODESTO	PIASA	LIMESTONE	3.0	264.0	
176.0	MODESTO		SHALE	4.0	267.0	
172.0	CARBONDALE	DANVILLE	BONE COAL	1.0	271.0	
171.0	CARBONDALE		SHALE	5.0	272.0	
166.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	277.0	
162.0	CARBONDALE	LAWSON	SHALE	37.0	281.0	
125.0	CARBONDALE	HERRIN	COAL	8.0	318.0	

MAPID: 02703364000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 33 QUARTERS/FOOTAGES: 45' S line, 40' W line of NW
 QUADRANGLE: TRENTON LONGITUDE: -89.667707 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.575461 DATE COLLECTED: 9 / 0 / 1955
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 349.0 LOG TYPE: Electric Log
 SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
184.0	MODESTO	PIASA	LIMESTONE	6.5	279.0	
177.5	MODESTO		UNCLASSIFIED	2.5	285.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
175.0	CARBONDALE	DANVILLE	COAL	0.5	288.0	
174.5	CARBONDALE		UNCLASSIFIED	7.5	288.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
167.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	296.0	
161.0	CARBONDALE	ENERGY	UNCLASSIFIED	38.0	302.0	
123.0	CARBONDALE	HERRIN	COAL	9.0	340.0	

MAPID: 02703365000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 2N 5W SECTION: 33 QUARTERS/FOOTAGES: 50' N line, 230' W line
 QUADRANGLE: TRENTON LONGITUDE: -89.667108 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.582463 DATE COLLECTED: 9 / 0 / 1955
 SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 334.0 LOG TYPE: Electric Log
 SOURCE: PHILLIPS PETROLEUM CO. WELL TYPE: Structure Test
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
200.8	MODESTO	PIASA	LIMESTONE	7.8	270.2	
193.0	MODESTO		UNCLASSIFIED	2.0	278.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
191.0	CARBONDALE		UNCLASSIFIED	6.0	280.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
185.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	286.0	
180.0	CARBONDALE	ENERGY	UNCLASSIFIED	35.0	291.0	
145.0	CARBONDALE	HERRIN	COAL	8.0	326.0	

MAPID: 02700800000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 1 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: BOULDER LONGITUDE: -89.139634 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.722696 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 1722.0 LOG TYPE:
 SOURCE: MURPHY W L, SHARP WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
340.0	BOND	CARTHAGE	LIMESTONE	-	151.0	
-38.0	CARBONDALE	HERRIN	COAL	-	529.0	

MAPID: 02701614000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 1 QUARTERS/FOOTAGES: 990' N line, 330' E line

QUADRANGLE: BOULDER LONGITUDE: -89.139603

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.733643

DATE COLLECTED:

SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 500.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
21.0	MODESTO	PIASA	LIMESTONE	2.0	470.0
19.0	MODESTO		SHALE	6.0	472.0
13.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	478.0
10.0	CARBONDALE	LAWSON	SHALE	4.0	481.0
6.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	8.0	485.0
-2.0	CARBONDALE	ANNA	SHALE	3.0	493.0
-5.0	CARBONDALE	HERRIN	COAL	4.0	496.0

MAPID: 02701622000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NE

QUADRANGLE: BOULDER LONGITUDE: -89.139609

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.731818

DATE COLLECTED: 10 / 0 / 1957

SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 900.0

LOG TYPE: Electric Log

SOURCE: ROBISON, H. F.

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
24.0	MODESTO	PIASA	UNCLASSIFIED	-	467.0
10.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	481.0
-16.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	507.0
-57.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.5	548.0
-104.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	595.0
-125.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	616.0
-169.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	660.0
-409.0	BASE OF PENN.		UNCLASSIFIED	-	900.0

MAPID: 02725968000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NW
QUADRANGLE: BOULDER **LONGITUDE:** -89.15351 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.736156 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 489.0 **LOGGED (FT.):** 1290.0 **LOG TYPE:** Electric Log
SOURCE: DAL-LONG OIL COMPANY **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-86.0	CARBONDALE	SPRINGFIELD	COAL	-	575.0	
-207.0	CARBONDALE	COLCHESTER	COAL	-	696.0	
-801.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1290.0	

MAPID: 02726406000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 2 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE
QUADRANGLE: BOULDER **LONGITUDE:** -89.158239 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.729083 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 498.0 **LOGGED (FT.):** 1328.0 **LOG TYPE:** Electric Log
SOURCE: TRICE, CLIFF OIL & GAS PROPERTIES **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-81.0	CARBONDALE	SPRINGFIELD	COAL	-	579.0	
-200.0	CARBONDALE	COLCHESTER	COAL	-	698.0	
-830.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1328.0	

MAPID: 02701475000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 4 **QUARTERS/FOOTAGES:** 990' S line, 1650' E line
QUADRANGLE: BOULDER **LONGITUDE:** -89.200144 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.727722 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 2834.0 **LOG TYPE:** Electric Log
SOURCE: LAGRANGE PETROLEUM **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-76.0	CARBONDALE	SPRINGFIELD	COAL	-	554.0	
-192.0	CARBONDALE	COLCHESTER	COAL	-	670.0	
-811.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1289.0	
-2290.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2768.0	TOP OF NEW ALBANY
-2313.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2791.0	
-2356.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2834.0	BASE OF NEW ALBANY

MAPID: 02701475000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 4 QUARTERS/FOOTAGES: 990' S line, 1650' E line

QUADRANGLE: BOULDER LONGITUDE: -89.200144 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.727722 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 520.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
4.0	MODESTO	PIASA	LIMESTONE	4.0	474.0
0.0	MODESTO		SHALE	17.0	478.0
-17.0	CARBONDALE	DANVILLE	COAL	2.0	495.0
-19.0	CARBONDALE		SHALE	3.0	497.0
-22.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	500.0
-27.0	CARBONDALE	LAWSON	SHALE	9.0	505.0
-36.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	514.0
-38.0	CARBONDALE	HERRIN	COAL	4.0	516.0

MAPID: 02700330000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 5 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: BOULDER LONGITUDE: -89.221117 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.728917 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 1620.0 LOG TYPE:

SOURCE: BOULDER OG, MEYERS H 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
309.0	BOND	CARTHAGE	LIMESTONE	-	134.0
-59.0	CARBONDALE	HERRIN	COAL	-	502.0

MAPID: 02701984000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 1980' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.244002 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.727893 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 2657.0 LOG TYPE: Electric Log
 SOURCE: NATIONAL ASSOC. PETROLEUM CO. WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-56.0	CARBONDALE	SPRINGFIELD	COAL	-	497.0	
-178.0	CARBONDALE	COLCHESTER	COAL	-	619.0	
-719.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1160.0	
-2155.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2596.0	TOP OF NEW ALBANY
-2177.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2618.0	
-2216.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2657.0	BASE OF NEW ALBANY

MAPID: 02701984000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 1980' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.244002 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.727893 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 470.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
16.0	MODESTO	PIASA	LIMESTONE	6.0	425.0	
10.0	MODESTO		SHALE	9.0	431.0	
1.0	CARBONDALE	DANVILLE	COAL	2.0	440.0	
-1.0	CARBONDALE		SHALE	6.0	442.0	
-7.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	448.0	
-11.0	CARBONDALE	LAWSON	SHALE	8.0	452.0	
-19.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	460.0	
-24.0	CARBONDALE	HERRIN	COAL	5.0	465.0	

MAPID: 02700575000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 7 QUARTERS/FOOTAGES: SW SW NW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.252534 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.720888 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 1536.0 LOG TYPE:
 SOURCE: SOHIO&SNRY, WASEM G J 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
2.0	CARBONDALE	HERRIN	COAL	-	446.0	

MAPID: 02701476000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 7 QUARTERS/FOOTAGES: 2970' S line, 2310' E line

QUADRANGLE: BOULDER LONGITUDE: -89.239846 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.720468 DATE COLLECTED:

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 468.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.0	MODESTO	PIASA	LIMESTONE	10.0	410.0	
21.0	MODESTO		SHALE	14.0	420.0	
7.0	CARBONDALE	DANVILLE	COAL	2.0	434.0	
5.0	CARBONDALE		SHALE	9.0	436.0	
-4.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	445.0	
-11.0	CARBONDALE	LAWSON	SHALE	6.0	452.0	
-17.0	CARBONDALE	BRERETON	CALCAREOUS SHALE	2.0	458.0	
-19.0	CARBONDALE	ANNA	SHALE	3.0	460.0	
-22.0	CARBONDALE	HERRIN	COAL	5.0	463.0	

MAPID: 02701701000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 7 QUARTERS/FOOTAGES: 950' S line, 656' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.251539 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.715306 DATE COLLECTED:

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 2688.0 LOG TYPE: Electric Log

SOURCE: SLAGTER PRODUCING CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-15.0	CARBONDALE	SPRINGFIELD	COAL	-	447.0	
-135.0	CARBONDALE	COLCHESTER	COAL	-	567.0	
-668.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1100.0	
-2195.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2627.0	TOP OF NEW ALBANY
-2216.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2648.0	
-2256.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2688.0	BASE OF NEW ALBANY

MAPID: 02700801000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 1320' E line

QUADRANGLE: BOULDER LONGITUDE: -89.14445 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.708245 DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 1707.0 LOG TYPE:

SOURCE: BURROUGHS O, ADAMS C A WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
333.0	BOND	CARTHAGE	LIMESTONE	-	131.0
-39.0	CARBONDALE	HERRIN	COAL	-	503.0

MAPID: 02700801000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 1320' E line

QUADRANGLE: BOULDER LONGITUDE: -89.14445 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.708245 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 505.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-9.0	MODESTO	PIASA	LIMESTONE	7.0	473.0
-16.0	MODESTO		SHALE	3.0	480.0
-19.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	483.0
-24.0	CARBONDALE	LAWSON	SHALE	2.0	488.0
-26.0	CARBONDALE	BRERETON	LIMESTONE W/ SHALE	10.0	490.0
-36.0	CARBONDALE	ANNA	SHALE	2.0	500.0
-38.0	CARBONDALE	HERRIN	COAL	3.0	502.0

MAPID: 02700801000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 1320' E line

QUADRANGLE: BOULDER LONGITUDE: -89.14445 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.708245 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 1265.0 LOG TYPE: Electric Log

SOURCE: BURROUGHS, O. W. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-76.0	CARBONDALE	SPRINGFIELD	COAL	-	540.0
-206.0	CARBONDALE	COLCHESTER	COAL	-	670.0
-801.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1265.0

MAPID: 02700248000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 13 QUARTERS/FOOTAGES: 200' S line, 300' E line of NW

QUADRANGLE: BOULDER LONGITUDE: -89.149064 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.700824 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 1504.0 LOG TYPE:

SOURCE: PATOKA PET, DUCOMB 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
350.0	BOND	CARTHAGE	LIMESTONE	-	146.0	
-16.0	CARBONDALE	HERRIN	COAL	-	512.0	CORRELATION UNCERTAIN

MAPID: 02700248000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 13 QUARTERS/FOOTAGES: 200' S line, 300' E line of NW

QUADRANGLE: BOULDER LONGITUDE: -89.149064 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.700824 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 1504.0 LOG TYPE: Drillers Log

SOURCE: PATOKA PETROLEUM WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
493.0			UNCONSOLIDATED	41.0	0.0	
452.0			SHALE	1.0	41.0	
451.0			COAL	2.0	42.0	
449.0			ROCK	114.0	44.0	
335.0			COAL	2.0	158.0	
333.0			ROCK	142.0	160.0	
191.0			SHALE	180.0	302.0	
11.0			LIMESTONE	6.0	482.0	
5.0			COAL	3.0	488.0	
2.0			ROCK	21.0	491.0	
-19.0			SHALE	34.0	512.0	
-53.0			LIMESTONE	2.0	546.0	
-55.0	CARBONDALE	HERRIN	COAL	7.0	548.0	
-62.0			ROCK	195.0	555.0	
-257.0			COAL	2.0	750.0	
-259.0			ROCK	752.0	752.0	

MAPID: 02700570000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 13 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: BOULDER LONGITUDE: -89.139854

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.704385

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 1433.0

LOG TYPE:

SOURCE: OILINC ETL, ADAMS C 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
341.0	BOND	CARTHAGE	LIMESTONE	-	125.0
-29.0	CARBONDALE	HERRIN	COAL	-	495.0

MAPID: 02701473000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: BOULDER LONGITUDE: -89.144604

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.693704

DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 700.0

LOG TYPE: Electric Log

SOURCE: RYAN OIL CO., ETAL

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
354.0	BOND	CARTHAGE	UNCLASSIFIED	-	152.0
-14.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	520.0
-51.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.5	557.0
-111.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	617.0
-194.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	700.0

MAPID: 02701626000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 13 QUARTERS/FOOTAGES: 990' N line, 990' W line

QUADRANGLE: BOULDER LONGITUDE: -89.153743

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.705045

DATE COLLECTED: 2 / 0 / 1958

SURFACE ELEVATION (FT.): 502.0 LOGGED (FT.): 450.0

LOG TYPE: Electric Log

SOURCE: BEESON, RICHARD W.

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-7.0	MODESTO	PIASA	UNCLASSIFIED	-	509.0
-48.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	550.0
-86.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.5	588.0
-145.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	647.0
-173.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	675.0
-218.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	720.0
52.0	BASE OF PENN.		UNCLASSIFIED	-	450.0

MAPID: 02701803000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 13 QUARTERS/FOOTAGES: 1622' S line, 2942' E line

QUADRANGLE: BOULDER LONGITUDE: -89.149123

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.69747

DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 490.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
16.0	MODESTO	PIASA	LIMESTONE	3.0	461.0	
13.0	MODESTO		SHALE	5.0	464.0	
8.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	469.0	
4.0	CARBONDALE	LAWSON	SHALE	2.0	473.0	
2.0	CARBONDALE	CONANT	LIMESTONE	3.0	475.0	
-1.0	CARBONDALE		SHALE	3.0	478.0	
-4.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	481.0	
-8.0	CARBONDALE	ANNA	SHALE	1.0	485.0	
-9.0	CARBONDALE	HERRIN	COAL	4.0	486.0	

MAPID: 02724347000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 500' E line of SW SE

QUADRANGLE: BOULDER LONGITUDE: -89.145183

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.695544

DATE COLLECTED:

SURFACE ELEVATION (FT.): 507.0 LOGGED (FT.): 2892.0

LOG TYPE: Electric Log

SOURCE: OELZE, ELMER JR. OIL

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-785.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1292.0	
-2311.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2818.0	TOP OF NEW ALBANY
-2329.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2836.0	
-2385.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2892.0	BASE OF NEW ALBANY

MAPID: 02700814000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 14 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.167809

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.696627

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 1769.0

LOG TYPE:

SOURCE: MUDGE OC, JENSEN J P 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
302.0	BOND	CARTHAGE	LIMESTONE	-	193.0	
-63.0	CARBONDALE	HERRIN	COAL	-	558.0	

MAPID: 02700814000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 14 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.167809 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.696627 DATE COLLECTED:

SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 565.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-15.0	MODESTO	PIASA	LIMESTONE	9.0	510.0
-24.0	MODESTO		SHALE	8.0	519.0
-32.0	CARBONDALE		SHALE	8.0	527.0
-40.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	535.0
-44.0	CARBONDALE	LAWSON	SHALE	4.0	539.0
-48.0	CARBONDALE	CONANT	LIMESTONE	3.0	543.0
-51.0	CARBONDALE		SHALE	5.0	546.0
-56.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	551.0
-60.0	CARBONDALE	ANNA	SHALE	3.0	555.0
-63.0	CARBONDALE	HERRIN	COAL	7.0	558.0

MAPID: 02700814000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 14 QUARTERS/FOOTAGES: 990' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.167809 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.696627 DATE COLLECTED:

SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 1344.0 LOG TYPE: Electric Log

SOURCE: MUDGE OIL CO WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-102.0	CARBONDALE	SPRINGFIELD	COAL	-	597.0
-240.0	CARBONDALE	COLCHESTER	COAL	-	735.0
-849.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1344.0

MAPID: 02725771000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: BOULDER LONGITUDE: -89.207388 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.708009 DATE COLLECTED:

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 2793.0 LOG TYPE: Electric Log

SOURCE: GENTLES, ALBERT WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-89.0	CARBONDALE	SPRINGFIELD	COAL	-	570.0	
-219.0	CARBONDALE	COLCHESTER	COAL	-	700.0	
-771.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1252.0	
-2249.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2730.0	TOP OF NEW ALBANY
-2271.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2752.0	
-2312.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2793.0	BASE OF NEW ALBANY

MAPID: 02700815000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 17 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: BOULDER LONGITUDE: -89.221427 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.701351 DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 1385.0 LOG TYPE:

SOURCE: JOHNS OC, SANDERS 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-18.0	CARBONDALE	HERRIN	COAL	-	485.0	

MAPID: 02701064000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 17 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.22373 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.703317 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 2905.0 LOG TYPE:

SOURCE: DORAN PAUL, NORMAN L 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
361.0	BOND	CARTHAGE	LIMESTONE	-	110.0	
3.0	CARBONDALE	HERRIN	COAL	-	468.0	

MAPID: 02701064000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 17 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.22373 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.703317 DATE COLLECTED:

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 473.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	MODESTO	PIASA	LIMESTONE	5.0	424.0	
42.0	MODESTO		SHALE	15.0	429.0	
27.0	CARBONDALE	DANVILLE	COAL	4.0	444.0	
23.0	CARBONDALE		SHALE	2.0	448.0	
21.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	450.0	
15.0	CARBONDALE	LAWSON	SHALE	12.0	456.0	
3.0	CARBONDALE	HERRIN	COAL	5.0	468.0	

MAPID: 02701064000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 17 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.22373 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.703317 DATE COLLECTED:

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 2752.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	CARBONDALE	SPRINGFIELD	COAL	-	498.0	
-135.0	CARBONDALE	COLCHESTER	COAL	-	606.0	
-713.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1184.0	
-2219.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2690.0	TOP OF NEW ALBANY
-2240.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2711.0	
-2281.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2752.0	BASE OF NEW ALBANY

MAPID: 02701241000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 18 QUARTERS/FOOTAGES: 2310' N line, 1650' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.238895 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.705795 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 2713.0 LOG TYPE: Electric Log
 SOURCE: MOHAWK DRILLING CO WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-39.0	CARBONDALE	SPRINGFIELD	COAL	-	480.0	
-153.0	CARBONDALE	COLCHESTER	COAL	-	594.0	
-679.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1120.0	
-2212.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2653.0	TOP OF NEW ALBANY
-2232.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2673.0	
-2272.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2713.0	BASE OF NEW ALBANY

MAPID: 02701241000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 18 QUARTERS/FOOTAGES: 2310' N line, 1650' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.238895 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.705795 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 458.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
37.0	MODESTO	PIASA	LIMESTONE	8.0	404.0	
29.0	MODESTO		SHALE	12.0	412.0	
17.0	CARBONDALE	DANVILLE	COAL	4.0	424.0	
13.0	CARBONDALE		SHALE	6.0	428.0	
7.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	434.0	
1.0	CARBONDALE	LAWSON	SHALE	10.0	440.0	
-9.0	CARBONDALE	HERRIN	COAL	8.0	450.0	

MAPID: 02701065000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 19 QUARTERS/FOOTAGES: 990' N line, 330' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.23316 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.694563 DATE COLLECTED: 0 / 0 / 1946
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 1412.0 LOG TYPE:
 SOURCE: CONREY T M, MCAMS L J 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
369.0	BOND	CARTHAGE	LIMESTONE	-	89.0	
17.0	CARBONDALE	HERRIN	COAL	-	441.0	

MAPID: 02701065000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 19 QUARTERS/FOOTAGES: 990' N line, 330' E line

QUADRANGLE: BOULDER LONGITUDE: -89.23316 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.694563 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	MODESTO	PIASA	LIMESTONE	6.0	396.0	
59.0	MODESTO		SHALE	19.0	402.0	
40.0	CARBONDALE	DANVILLE	COAL	2.0	421.0	
38.0	CARBONDALE		SHALE	4.0	423.0	
34.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	427.0	
30.0	CARBONDALE	LAWSON	SHALE	9.0	431.0	
21.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	440.0	
17.0	CARBONDALE	HERRIN	COAL	6.0	444.0	

MAPID: 02701933000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 20 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE SW NE

QUADRANGLE: BOULDER LONGITUDE: -89.219198 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.692064 DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 2776.0 LOG TYPE: Electric Log

SOURCE: DAVIS WAYNE & ASSOC WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-708.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1173.0	
-2249.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2714.0	TOP OF NEW ALBANY
-2269.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2734.0	
-2311.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2776.0	BASE OF NEW ALBANY

MAPID: 02700816000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 21 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: BOULDER LONGITUDE: -89.19606 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.681736 DATE COLLECTED: 0 / 0 / 1929

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 1427.0 LOG TYPE:

SOURCE: ROOT&MCMRY, MC ADAMS 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
318.0	BOND	CARTHAGE	LIMESTONE	-	150.0	
-27.0	CARBONDALE	HERRIN	COAL	-	495.0	CORRELATION UNCERTAIN

MAPID: 02701040000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 21 **QUARTERS/FOOTAGES:** 1650' S line, 330' W line
QUADRANGLE: BOULDER **LONGITUDE:** -89.212289 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.68625 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1390.0 **LOG TYPE:**
SOURCE: WISER OC, MCAMS L J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
348.0	BOND	CARTHAGE	LIMESTONE	-	118.0	
-12.0	CARBONDALE	HERRIN	COAL	-	478.0	

MAPID: 02701040000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 21 **QUARTERS/FOOTAGES:** 1650' S line, 330' W line
QUADRANGLE: BOULDER **LONGITUDE:** -89.212289 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.68625 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 482.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.0	MODESTO	PIASA	CALCAREOUS SHALE	10.0	435.0	
21.0	MODESTO		SHALE	9.0	445.0	
12.0	CARBONDALE	DANVILLE	COAL	3.0	454.0	
9.0	CARBONDALE		SHALE	3.0	457.0	
6.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	460.0	
1.0	CARBONDALE	LAWSON	SHALE	10.0	465.0	
-9.0	CARBONDALE	HERRIN	COAL	7.0	475.0	

MAPID: 02701229000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 22 **QUARTERS/FOOTAGES:** 330' S line, 330' E line
QUADRANGLE: BOULDER **LONGITUDE:** -89.177379 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.680736 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 486.0 **LOGGED (FT.):** 2812.0 **LOG TYPE:** Electric Log
SOURCE: ROBBEN ROBERT H **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-786.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1272.0	
-2264.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2750.0	TOP OF NEW ALBANY
-2282.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2768.0	
-2326.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2812.0	BASE OF NEW ALBANY

MAPID: 02701470000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 23 QUARTERS/FOOTAGES: 1650' S line, 990' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.172665 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.684132 DATE COLLECTED: 6 / 0 / 1951
 SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 1000.0 LOG TYPE: Electric Log
 SOURCE: QUICK S W WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-17.0	MODESTO	PIASA	UNCLASSIFIED	-	512.0
-31.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	526.0
-63.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	558.0
-99.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.5	594.0
-145.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	640.0
-245.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	740.0
-505.0	BASE OF PENN.		UNCLASSIFIED	-	1000.0

MAPID: 02701470000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 23 QUARTERS/FOOTAGES: 1650' S line, 990' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.172665 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.684132 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 564.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-18.0	MODESTO	PIASA	LIMESTONE	3.0	513.0
-21.0	MODESTO		SHALE	10.0	516.0
-31.0	CARBONDALE	DANVILLE	COAL	2.0	526.0
-33.0	CARBONDALE		SHALE	5.0	528.0
-38.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	533.0
-43.0	CARBONDALE	LAWSON	SHALE	4.0	538.0
-47.0	CARBONDALE	CONANT	LIMESTONE	4.0	542.0
-51.0	CARBONDALE		SHALE	4.0	546.0
-55.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	550.0
-59.0	CARBONDALE	ANNA	SHALE	4.0	554.0
-63.0	CARBONDALE	HERRIN	COAL	6.0	558.0

MAPID: 02702856000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 24 QUARTERS/FOOTAGES: 348' S line, 330' E line of NW SW

QUADRANGLE: BOULDER LONGITUDE: -89.154057 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.683236 DATE COLLECTED:

SURFACE ELEVATION (FT.): 507.0 LOGGED (FT.): 2892.0 LOG TYPE: Electric Log

SOURCE: RYAN OIL CO., ETAL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-87.0	CARBONDALE	SPRINGFIELD	COAL	-	594.0	
-213.0	CARBONDALE	COLCHESTER	COAL	-	720.0	
-800.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1307.0	
-2315.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2822.0	TOP OF NEW ALBANY
-2330.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2837.0	
-2385.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2892.0	BASE OF NEW ALBANY

MAPID: 02702861000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 24 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NW

QUADRANGLE: BOULDER LONGITUDE: -89.153925 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.692294 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 502.0 LOGGED (FT.): 691.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
354.0	BOND	CARTHAGE	UNCLASSIFIED	-	148.0	
-12.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	514.0	
-53.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	4.5	555.0	
-108.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	610.0	
-189.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	691.0	

MAPID: 02700271000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 26 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: BOULDER LONGITUDE: -89.172865 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.671356 DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 500.5 LOGGED (FT.): 1724.0 LOG TYPE:

SOURCE: MCCLAN OC, HESTER P 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
326.5	BOND	CARTHAGE	LIMESTONE	-	174.0	
-39.5	CARBONDALE	HERRIN	COAL	-	540.0	CORRELATION UNCERTAIN

MAPID: 02701639000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 26 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.168217 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.671136 DATE COLLECTED:

SURFACE ELEVATION (FT.): 505.0 LOGGED (FT.): 561.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-5.0	MODESTO	PIASA	LIMESTONE	4.0	510.0	
-9.0	MODESTO		SHALE	18.0	514.0	
-27.0	CARBONDALE	DANVILLE	COAL	3.0	532.0	
-30.0	CARBONDALE		SHALE	2.0	535.0	
-32.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	537.0	
-38.0	CARBONDALE	LAWSON	SHALE	4.0	543.0	
-42.0	CARBONDALE	CONANT	LIMESTONE	3.0	547.0	
-45.0	CARBONDALE		SHALE	3.0	550.0	
-48.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	553.0	
-51.0	CARBONDALE	HERRIN	COAL	5.0	556.0	

MAPID: 02725071000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 26 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: BOULDER LONGITUDE: -89.175159 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.673292 DATE COLLECTED:

SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 2810.0 LOG TYPE: Electric Log

SOURCE: ALLISON DAVID WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-66.0	CARBONDALE	SPRINGFIELD	COAL	-	570.0	
-198.0	CARBONDALE	COLCHESTER	COAL	-	702.0	
-768.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1272.0	
-2246.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2750.0	TOP OF NEW ALBANY
-2256.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2760.0	
-2306.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2810.0	BASE OF NEW ALBANY

MAPID: 02700818000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 27 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: BOULDER LONGITUDE: -89.177538

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.669751

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 499.0 LOGGED (FT.): 2871.0

LOG TYPE:

SOURCE: OBERING E, YANTIS J W 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
327.0	BOND	CARTHAGE	LIMESTONE	-	172.0	
-45.0	CARBONDALE	HERRIN	COAL	-	544.0	

MAPID: 02725027000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE

QUADRANGLE: BOULDER LONGITUDE: -89.179895

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.668049

DATE COLLECTED:

SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 2780.0

LOG TYPE: Electric Log

SOURCE: ALLISON DAVID

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-76.0	CARBONDALE	SPRINGFIELD	COAL	-	572.0	
-214.0	CARBONDALE	COLCHESTER	COAL	-	710.0	
-765.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1261.0	
-2234.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2730.0	TOP OF NEW ALBANY
-2244.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2740.0	
-2284.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2780.0	BASE OF NEW ALBANY

MAPID: 02700920000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 28 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: BOULDER LONGITUDE: -89.212466

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.667866

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 1618.0

LOG TYPE:

SOURCE: GULF REF, WATTS S 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
348.0	BOND	CARTHAGE	LIMESTONE	-	125.0	
-13.0	CARBONDALE	HERRIN	COAL	-	486.0	

MAPID: 02701242000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.212357 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.680786 DATE COLLECTED: 5 / 0 / 1956
 SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 650.0 LOG TYPE: Electric Log
 SOURCE: HANNAH JOHN WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
331.0	BOND	CARTHAGE	UNCLASSIFIED	-	135.0	
14.0	MODESTO	PIASA	UNCLASSIFIED	-	452.0	
-34.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	500.0	
-69.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	6.5	535.0	
-110.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	576.0	
-139.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	605.0	
-184.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	650.0	

MAPID: 02701289000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 29 QUARTERS/FOOTAGES: 1650' S line, 2310' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.224049 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.672096 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 1181.0 LOG TYPE: Electric Log
 SOURCE: GALLAGHER, VICTOR R. WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	CARBONDALE	SPRINGFIELD	COAL	-	490.0	
-162.0	CARBONDALE	COLCHESTER	COAL	-	624.0	
-719.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1181.0	

MAPID: 02701289000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 29 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.224049 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.672096 DATE COLLECTED:

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 472.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
43.0	MODESTO	PIASA	LIMESTONE	10.0	419.0
33.0	MODESTO		SHALE	14.0	429.0
19.0	CARBONDALE	DANVILLE	COAL	3.0	443.0
16.0	CARBONDALE		SHALE	4.0	446.0
12.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	450.0
7.0	CARBONDALE	LAWSON	SHALE	6.0	455.0
1.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	461.0
-2.0	CARBONDALE	ANNA	SHALE	3.0	464.0
-5.0	CARBONDALE	HERRIN	COAL	5.0	467.0

MAPID: 02701324000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 30 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.245338 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.673081 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 835.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
60.0	MODESTO	PIASA	UNCLASSIFIED	-	392.0
42.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	410.0
19.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	433.0
-6.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	3.5	458.0
-60.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	512.0
-84.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	536.0
-128.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	580.0
-383.0	BASE OF PENN.		UNCLASSIFIED	-	835.0

MAPID: 02701324000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 30 QUARTERS/FOOTAGES: 1650' S line, 2310' W line
 QUADRANGLE: BOULDER LONGITUDE: -89.245338 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.673081 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 437.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	MODESTO	PIASA	LIMESTONE	4.0	393.0	
55.0	MODESTO		SHALE	14.0	397.0	
41.0	CARBONDALE	DANVILLE	COAL	3.0	411.0	
38.0	CARBONDALE		SHALE	4.0	414.0	
34.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	418.0	
28.0	CARBONDALE	LAWSON	SHALE	9.0	424.0	
19.0	CARBONDALE	HERRIN	COAL	4.0	433.0	

MAPID: 02724231000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' E line of SE
 QUADRANGLE: BOULDER LONGITUDE: -89.233387 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.668852 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 2770.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-6.0	CARBONDALE	SPRINGFIELD	COAL	-	474.0	
-132.0	CARBONDALE	COLCHESTER	COAL	-	600.0	
-692.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1160.0	
-2242.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2710.0	TOP OF NEW ALBANY
-2252.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2720.0	
-2302.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2770.0	BASE OF NEW ALBANY

MAPID: 02701066000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 31 QUARTERS/FOOTAGES: 2310' N line, 990' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.235893 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.661685 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 1477.0 LOG TYPE:
 SOURCE: WINN&BECK, WEDEKEMPER 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
377.0	BOND	CARTHAGE	LIMESTONE	-	92.0	
17.0	CARBONDALE	HERRIN	COAL	-	452.0	

MAPID: 02701066000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 31 QUARTERS/FOOTAGES: 2310' N line, 990' E line

QUADRANGLE: BOULDER LONGITUDE: -89.235893 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.661685 DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 458.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	MODESTO	PIASA	LIMESTONE	5.0	408.0	
56.0	MODESTO		SHALE	17.0	413.0	
39.0	CARBONDALE	DANVILLE	COAL	2.0	430.0	
37.0	CARBONDALE		SHALE	4.0	432.0	
33.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	436.0	
27.0	CARBONDALE	LAWSON	SHALE	10.0	442.0	
17.0	CARBONDALE	HERRIN	COAL	6.0	452.0	

MAPID: 02725591000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 990' E line of SE NW

QUADRANGLE: BOULDER LONGITUDE: -89.24638 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.662148 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 2757.0 LOG TYPE: Electric Log

SOURCE: LOUISIANA LAND & EXPL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
19.0	CARBONDALE	SPRINGFIELD	COAL	-	453.0	
-108.0	CARBONDALE	COLCHESTER	COAL	-	580.0	
-676.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1148.0	
-2220.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2692.0	TOP OF NEW ALBANY
-2238.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2710.0	
-2285.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2757.0	BASE OF NEW ALBANY

MAPID: 02725615000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NE SE
QUADRANGLE: BOULDER **LONGITUDE:** -89.214918 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.658795 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 476.0 **LOGGED (FT.):** 1187.0 **LOG TYPE:** Electric Log
SOURCE: JORDAN OIL & GAS CO. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-7.0	CARBONDALE	SPRINGFIELD	COAL	-	483.0	
-142.0	CARBONDALE	COLCHESTER	COAL	-	618.0	
-711.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1187.0	

MAPID: 02700576000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 33 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: BOULDER **LONGITUDE:** -89.198783 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.652498 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 483.0 **LOGGED (FT.):** 2953.0 **LOG TYPE:**
SOURCE: GULF REF, MARTIN E 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
357.0	BOND	CARTHAGE	LIMESTONE	-	126.0	
-3.0	CARBONDALE	HERRIN	COAL	-	486.0	

MAPID: 02701067000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 3N 1W **SECTION:** 33 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: BOULDER **LONGITUDE:** -89.196265 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.663405 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 1425.0 **LOG TYPE:**
SOURCE: DORAN PAUL, RIES FRED 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
353.0	BOND	CARTHAGE	LIMESTONE	-	131.0	
-11.0	CARBONDALE	HERRIN	COAL	-	495.0	

MAPID: 02701071000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 33 QUARTERS/FOOTAGES: 2310' N line, 2310' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.203297 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.660124 DATE COLLECTED: 0 / 0 / 1947
 SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 1412.0 LOG TYPE:
 SOURCE: DORAN PAUL, CONRAD F H 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
362.0	BOND	CARTHAGE	LIMESTONE	-	120.0
-1.0	CARBONDALE	HERRIN	COAL	-	483.0

MAPID: 02701071000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 33 QUARTERS/FOOTAGES: 2310' N line, 2310' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.203297 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.660124 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 489.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
41.0	MODESTO	PIASA	CALCAREOUS SHALE	7.0	438.0
34.0	MODESTO		SHALE	13.0	445.0
21.0	CARBONDALE	DANVILLE	COAL	3.0	458.0
18.0	CARBONDALE		SHALE	5.0	461.0
13.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	466.0
6.0	CARBONDALE	LAWSON	SHALE	11.0	473.0
-5.0	CARBONDALE	HERRIN	COAL	5.0	484.0

MAPID: 02701474000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 34 QUARTERS/FOOTAGES: 990' N line, 2310' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.184619 GEOLOGIST: C TREWORYG
 CONFIDENTIAL: N LATITUDE: 38.662813 DATE COLLECTED: 10 / 0 / 1954
 SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 680.0 LOG TYPE: Electric Log
 SOURCE: SHULMAN BROS. INC. WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
2.0	MODESTO	PIASA	UNCLASSIFIED	-	492.0
-22.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	516.0
-48.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.5	542.0
-83.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	577.0
-186.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	680.0

MAPID: 02701474000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 34 QUARTERS/FOOTAGES: 990' N line, 2310' E line

QUADRANGLE: BOULDER LONGITUDE: -89.184619 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.662813 DATE COLLECTED:

SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 519.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
23.0	MODESTO		SHALE	23.0	471.0	
0.0	CARBONDALE	DANVILLE	COAL	3.0	494.0	
-3.0	CARBONDALE		SHALE	4.0	497.0	
-7.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	501.0	
-10.0	CARBONDALE	LAWSON	SHALE	8.0	504.0	
-18.0	CARBONDALE	HERRIN	COAL	7.0	512.0	

MAPID: 02725143000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 360' W line of NE NE

QUADRANGLE: BOULDER LONGITUDE: -89.179841 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.664379 DATE COLLECTED:

SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 2786.0 LOG TYPE: Electric Log

SOURCE: ALLISON DAVID WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-26.0	CARBONDALE	SPRINGFIELD	COAL	-	520.0	
-143.0	CARBONDALE	COLCHESTER	COAL	-	637.0	
-752.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1246.0	
-2234.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2728.0	TOP OF NEW ALBANY
-2243.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2737.0	
-2292.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2786.0	BASE OF NEW ALBANY

MAPID: 02726878000C VERSION: 1

PROJECT: NCRDS 2013

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 34 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: BOULDER LONGITUDE: -89.19389 GEOLOGIST: LOUCHIOS
 CONFIDENTIAL: N LATITUDE: 38.66517 DATE COLLECTED: 2 / 6 / 2008
 SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 716.0 LOG TYPE: Other Core Study
 SOURCE: BPI INDUSTRIES 200 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
482.0			UNCLASSIFIED	471.0	0.0	
11.0	SHELburn		DARK SHALE	5.9	471.0	
5.1	SHELburn	DANVILLE	COAL	2.7	476.9	
2.7	SHELburn		CLAYSTONE & SILTSTONE	1.7	479.3	
1.0	SHELburn		LIMESTONE & CONGLOMERATE	4.2	481.0	
-3.2	SHELburn		UNCLASSIFIED	8.7	485.2	MISSING CORE. END OF INTERVAL
-11.9	SHELburn		GRAY SHALE	2.1	493.9	
-14.0	SHELburn	CONANT	FOSSILIFEROUS LIMESTONE	2.5	496.0	
-16.5	SHELburn		DARK SHALE	1.0	498.5	
-17.5	SHELburn	JAMESTOWN	DARK SHALE	0.4	499.5	GRADING DOWN TO BONY COAL AT BASE
-17.9	CARBONDALE	HERRIN	COAL	5.8	499.9	
-23.7	CARBONDALE		UNCLASSIFIED	2.3	505.7	NO CORE 505.7-520
-26.0	CARBONDALE		GREEN SHALE	3.0	508.0	
-29.0	CARBONDALE		SANDSTONE	7.0	511.0	
-36.0	CARBONDALE		GREEN SHALE	2.0	518.0	
-38.0	CARBONDALE		GRAY SHALE	3.3	520.0	
-41.3	CARBONDALE		DARK SHALE	5.2	523.3	
-46.5	CARBONDALE	SPRINGFIELD	COAL	4.7	528.5	COAL REMOVED
-51.2	CARBONDALE		CLAYSTONE & SILTSTONE	9.0	533.2	
-60.2			UNCLASSIFIED	130.8	542.2	
-191.0			GRAY SHALE	2.0	673.0	
-193.0			COAL	2.2	675.0	POSSIBLY DAVIS COAL
-195.2			CLAYSTONE & SILTSTONE	2.3	677.2	
-197.5			UNCLASSIFIED	24.5	679.5	MISSING CORE
-222.0			CLAYSTONE & SILTSTONE	3.0	704.0	
-225.0			SILTSTONE	9.0	707.0	

MAPID: 02703213000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: BOULDER LONGITUDE: -89.170725 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.660315 DATE COLLECTED:

SURFACE ELEVATION (FT.): 503.0 LOGGED (FT.): 2820.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-785.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1288.0	
-2261.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2764.0	TOP OF NEW ALBANY
-2271.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2774.0	
-2317.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2820.0	BASE OF NEW ALBANY

MAPID: 02701862000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 1W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 1650' E line

QUADRANGLE: BOULDER LONGITUDE: -89.145333 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.650069 DATE COLLECTED:

SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 593.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-32.0	MODESTO	PIASA	CALCAREOUS SHALE	7.0	528.0	
-39.0	MODESTO		SHALE	23.0	535.0	
-62.0	CARBONDALE	DANVILLE	COAL	1.0	558.0	
-63.0	CARBONDALE		SHALE	4.0	559.0	
-67.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	8.0	563.0	
-75.0	CARBONDALE	LAWSON	SHALE	3.0	571.0	
-78.0	CARBONDALE	CONANT	LIMESTONE	4.0	574.0	
-82.0	CARBONDALE		SHALE	5.0	578.0	
-87.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	583.0	
-92.0	CARBONDALE	HERRIN	COAL	5.0	588.0	

MAPID: 02701477000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.262232 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.733771 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 2663.0 LOG TYPE: Electric Log

SOURCE: MOHAWK DRILLING CO WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-60.0	CARBONDALE	SPRINGFIELD	COAL	-	500.0	
-175.0	CARBONDALE	COLCHESTER	COAL	-	615.0	
-665.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1105.0	
-2162.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2602.0	TOP OF NEW ALBANY
-2186.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2626.0	
-2223.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2663.0	BASE OF NEW ALBANY

MAPID: 02702874000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 1 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.25525 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.735595 DATE COLLECTED: 10 / 0 / 1952

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: MOHAWK DRILLING CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.5	MODESTO	PIASA	LIMESTONE	6.0	387.5	
45.5	MODESTO		UNCLASSIFIED	4.5	393.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
41.0	CARBONDALE	DANVILLE	COAL	2.0	398.0	
39.0	CARBONDALE		UNCLASSIFIED	16.0	400.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
23.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	416.0	
15.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	423.5	
13.0	CARBONDALE		UNCLASSIFIED	2.5	426.0	SHALE ABOVE BRERETON LIMESTONE
10.5	CARBONDALE	BRERETON	LIMESTONE	7.5	428.5	
3.0	CARBONDALE	ANNA	BLACK SHALE	2.0	436.0	
1.0	CARBONDALE	HERRIN	COAL	5.0	438.0	

MAPID: 02702874000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 1 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.25525 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.735595 DATE COLLECTED:

SURFACE ELEVATION (FT.): 439.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	MODESTO	PIASA	LIMESTONE	5.0	388.0	
46.0	MODESTO		SHALE	18.0	393.0	
28.0	CARBONDALE	DANVILLE	COAL	2.0	411.0	
26.0	CARBONDALE		SHALE	5.0	413.0	
21.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	418.0	
17.0	CARBONDALE	LAWSON	SHALE	10.0	422.0	
7.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	432.0	
2.0	CARBONDALE	ANNA	SHALE	1.0	437.0	
1.0	CARBONDALE	HERRIN	COAL	5.0	438.0	

MAPID: 02702875000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 990' E line of NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.262221 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.733774 DATE COLLECTED: 11 / 0 / 1952

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 417.5 LOG TYPE: Electric Log

SOURCE: MOHAWK DRILLING CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO	PIASA	LIMESTONE	5.0	363.0	
82.0	MODESTO		UNCLASSIFIED	7.0	368.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
75.0	CARBONDALE	DANVILLE	COAL	2.0	375.0	
73.0	CARBONDALE		UNCLASSIFIED	14.0	377.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
59.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	391.0	
52.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	398.0	
49.5	CARBONDALE		UNCLASSIFIED	2.5	400.5	SHALE ABOVE BRERETON LIMESTONE
47.0	CARBONDALE	BRERETON	LIMESTONE	8.0	403.0	
39.0	CARBONDALE	ANNA	BLACK SHALE	2.0	411.0	
37.0	CARBONDALE	HERRIN	COAL	4.5	413.0	

MAPID: 02702876000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 1 QUARTERS/FOOTAGES: 990' N line, 990' E line of SE

QUADRANGLE: KEYSPORT LONGITUDE: -89.257536 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.731942 DATE COLLECTED: 11 / 0 / 1952

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 423.0 LOG TYPE: Electric Log

SOURCE: MOHAWK DRILLING CO WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
80.0	MODESTO	PIASA	LIMESTONE	9.0	370.0	
71.0	MODESTO		UNCLASSIFIED	5.0	379.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.0	CARBONDALE		UNCLASSIFIED	15.0	384.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
51.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	399.0	
44.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	405.5	
41.5	CARBONDALE		UNCLASSIFIED	2.5	408.5	SHALE ABOVE BRERETON LIMESTONE
39.0	CARBONDALE	BRERETON	LIMESTONE	3.0	411.0	
36.0	CARBONDALE	ANNA	BLACK SHALE	3.0	414.0	
33.0	CARBONDALE	HERRIN	COAL	6.0	417.0	

MAPID: 02701479000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 3 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: KEYSPORT LONGITUDE: -89.297434 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.74096 DATE COLLECTED: 3 / 0 / 1950

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 379.0 LOG TYPE: Electric Log

SOURCE: REASOR G L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.0	MODESTO	PIASA	LIMESTONE	4.0	333.0	
132.0	MODESTO		UNCLASSIFIED	4.0	337.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
128.0	CARBONDALE		UNCLASSIFIED	16.0	341.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	357.0	
105.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	364.0	
101.5	CARBONDALE		UNCLASSIFIED	3.5	367.5	SHALE ABOVE BRERETON LIMESTONE
98.0	CARBONDALE	BRERETON	LIMESTONE	2.0	371.0	
96.0	CARBONDALE	ANNA	BLACK SHALE	1.0	373.0	
95.0	CARBONDALE	HERRIN	COAL	5.0	374.0	

MAPID: 02701479000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 3 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.297434

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.74096

DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0

LOGGED (FT.): 379.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
146.0	MODESTO	PIASA	CALCAREOUS SHALE	10.0	323.0	
136.0	MODESTO		SHALE	14.0	333.0	
122.0	CARBONDALE	DANVILLE	COAL	4.0	347.0	
118.0	CARBONDALE		SHALE	8.0	351.0	
110.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	359.0	
105.0	CARBONDALE	LAWSON	SHALE	7.0	364.0	
98.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	371.0	
94.0	CARBONDALE	HERRIN	COAL	4.0	375.0	

MAPID: 02701479000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 3 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.297434

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.74096

DATE COLLECTED: 3 / 0 / 1950

SURFACE ELEVATION (FT.): 469.0

LOGGED (FT.): 800.0

LOG TYPE: Electric Log

SOURCE: REASOR G L

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
96.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	373.0	
69.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	2.5	400.0	
19.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	450.0	
-9.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	478.0	
-51.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	520.0	
-331.0	BASE OF PENN.		UNCLASSIFIED	-	800.0	

MAPID: 02701996000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 3 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.301989 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.731924 DATE COLLECTED: 7 / 0 / 1963

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 383.5 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.0	MODESTO	PIASA	LIMESTONE	5.0	337.0	
123.0	MODESTO		UNCLASSIFIED	4.0	342.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
119.0	CARBONDALE		UNCLASSIFIED	16.0	346.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	362.0	
95.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	370.0	
92.0	CARBONDALE		UNCLASSIFIED	3.0	373.0	SHALE ABOVE BRERETON LIMESTONE
89.0	CARBONDALE	BRERETON	LIMESTONE	1.5	376.0	
87.5	CARBONDALE	ANNA	BLACK SHALE	1.5	377.5	
86.0	CARBONDALE	HERRIN	COAL	4.5	379.0	

MAPID: 02725839000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 3 QUARTERS/FOOTAGES: 575' S line, 405' W line of SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.308757 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.729025 DATE COLLECTED:

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 2599.0 LOG TYPE: Electric Log

SOURCE: CONTINENTAL EXPLOR., INC WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	SPRINGFIELD	COAL	-	435.0	
-61.0	CARBONDALE	COLCHESTER	COAL	-	535.0	
-545.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1019.0	
-2062.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2536.0	TOP OF NEW ALBANY
-2088.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2562.0	
-2125.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2599.0	BASE OF NEW ALBANY

MAPID: 02700606000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 4 QUARTERS/FOOTAGES: 240' S line, 220' W line of SW NW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.328425 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.738592 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 416.0 LOG TYPE: Drillers Log

SOURCE: SCHMIDT WILLIAM WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.0	MODESTO	PIASA	LIMESTONE	5.0	365.0	
116.0	MODESTO		UNCLASSIFIED	2.0	370.0	
114.0	CARBONDALE	DANVILLE	COAL	1.0	372.0	
113.0	CARBONDALE		UNCLASSIFIED	15.0	373.0	
98.0	CARBONDALE	BANKSTON FORK	LIMESTONE	10.0	388.0	
88.0	CARBONDALE	ANVIL ROCK	SANDSTONE	3.0	398.0	
85.0	CARBONDALE		SHALE	3.0	401.0	
82.0	CARBONDALE	BRERETON	LIMESTONE	5.0	404.0	
77.0	CARBONDALE	ANNA	BLACK SHALE	4.0	409.0	
73.0	CARBONDALE	HERRIN	COAL	3.0	413.0	

MAPID: 02701478000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 4 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.311436 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.735487 DATE COLLECTED: 1 / 0 / 1950

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: REASOR G L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
130.0	MODESTO	PIASA	LIMESTONE	5.0	344.0	
125.0	MODESTO		UNCLASSIFIED	4.5	349.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
120.5	CARBONDALE		UNCLASSIFIED	17.0	353.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	370.5	
96.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	378.0	
92.5	CARBONDALE		UNCLASSIFIED	3.5	381.5	SHALE ABOVE BRERETON LIMESTONE
89.0	CARBONDALE	BRERETON	LIMESTONE	2.0	385.0	
87.0	CARBONDALE	ANNA	BLACK SHALE	3.0	387.0	
84.0	CARBONDALE	HERRIN	COAL	4.0	390.0	

MAPID: 02701478000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 4 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.311436

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.735487

DATE COLLECTED:

SURFACE ELEVATION (FT.): 474.0

LOGGED (FT.): 393.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
130.0	MODESTO	PIASA	LIMESTONE	4.0	344.0	
126.0	MODESTO		SHALE	15.0	348.0	
111.0	CARBONDALE	DANVILLE	COAL	2.0	363.0	
109.0	CARBONDALE		SHALE	6.0	365.0	
103.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	371.0	
98.0	CARBONDALE	LAWSON	SHALE	12.0	376.0	
86.0	CARBONDALE	HERRIN	COAL	5.0	388.0	

MAPID: 02701478000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 4 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.311436

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.735487

DATE COLLECTED:

SURFACE ELEVATION (FT.): 474.0

LOGGED (FT.): 2591.0

LOG TYPE: Electric Log

SOURCE: REASOR G L

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
62.0	CARBONDALE	SPRINGFIELD	COAL	-	412.0	
-60.0	CARBONDALE	COLCHESTER	COAL	-	534.0	
-546.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1020.0	
-2046.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2520.0	TOP OF NEW ALBANY
-2084.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2558.0	
-2117.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2591.0	BASE OF NEW ALBANY

MAPID: 02701068000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.346583

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.731552

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 469.0

LOGGED (FT.): 1150.0

LOG TYPE:

SOURCE: FOWLEY ETL, BURKET ETL 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	CARBONDALE	HERRIN	COAL	-	372.0	

MAPID: 02701068000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.346583

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.731552

DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0

LOGGED (FT.): 382.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
140.0	MODESTO	PIASA	LIMESTONE	8.0	332.0	
132.0	MODESTO		SHALE	13.0	340.0	
119.0	CARBONDALE	DANVILLE	COAL	3.0	353.0	
116.0	CARBONDALE		SHALE	4.0	356.0	
112.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	360.0	
106.0	CARBONDALE	LAWSON	SHALE	10.0	366.0	
96.0	CARBONDALE	HERRIN	COAL	6.0	376.0	

MAPID: 02701068000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.346583

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.731552

DATE COLLECTED: 8 / 0 / 1947

SURFACE ELEVATION (FT.): 474.0

LOGGED (FT.): 384.0

LOG TYPE: Electric Log

SOURCE: FOWLEY ANNA MYRLE

WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.0	MODESTO	PIASA	LIMESTONE	6.0	335.0	
133.0	MODESTO		UNCLASSIFIED	5.5	341.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
127.5	CARBONDALE		UNCLASSIFIED	15.5	346.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	362.0	
106.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	368.0	
102.5	CARBONDALE		UNCLASSIFIED	3.5	371.5	SHALE ABOVE BRERETON LIMESTONE
99.0	CARBONDALE	ANNA	BLACK SHALE	3.0	375.0	
96.0	CARBONDALE	HERRIN	COAL	6.0	378.0	

MAPID: 02701610000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.346667 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.736848 DATE COLLECTED: 12 / 0 / 1957

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: KAPP-IMMING WELL TYPE: Producer-Gas

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.5	MODESTO	PIASA	LIMESTONE	5.5	332.5	
131.0	MODESTO		UNCLASSIFIED	6.0	338.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
125.0	CARBONDALE		UNCLASSIFIED	12.0	344.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
113.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	356.0	
105.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	364.0	
101.5	CARBONDALE		UNCLASSIFIED	3.5	367.5	SHALE ABOVE BRERETON LIMESTONE
98.0	CARBONDALE	ANNA	BLACK SHALE	3.0	371.0	
95.0	CARBONDALE	HERRIN	COAL	6.0	374.0	

MAPID: 02701703000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.334861 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.729861 DATE COLLECTED: 6 / 0 / 1959

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 414.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.5	CARBONDALE		UNCLASSIFIED	13.0	380.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
98.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	393.5	
93.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	399.0	
90.0	CARBONDALE		UNCLASSIFIED	3.0	402.0	SHALE ABOVE BRERETON LIMESTONE
87.0	CARBONDALE	BRERETON	LIMESTONE	2.5	405.0	
84.5	CARBONDALE	ANNA	BLACK SHALE	2.5	407.5	
82.0	CARBONDALE	HERRIN	COAL	4.0	410.0	

MAPID: 02701711000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.334895 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.731683 DATE COLLECTED: 7 / 0 / 1959

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 414.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.0	MODESTO	PIASA	LIMESTONE	3.5	368.0	
128.5	MODESTO		UNCLASSIFIED	5.5	371.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.0	CARBONDALE		UNCLASSIFIED	16.0	377.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	393.0	
99.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	401.0	
96.0	CARBONDALE		UNCLASSIFIED	3.0	404.0	SHALE ABOVE BRERETON LIMESTONE
93.0	CARBONDALE	ANNA	BLACK SHALE	2.0	407.0	
91.0	CARBONDALE	HERRIN	COAL	5.0	409.0	

MAPID: 02701762000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.337308 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.735209 DATE COLLECTED: 10 / 0 / 1959

SURFACE ELEVATION (FT.): 508.0 LOGGED (FT.): 416.5 LOG TYPE: Electric Log

SOURCE: E & G DRLG. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
130.0	MODESTO	PIASA	LIMESTONE	3.0	378.0	
127.0	MODESTO		UNCLASSIFIED	3.5	381.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.5	CARBONDALE		UNCLASSIFIED	11.5	384.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
112.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	396.0	
106.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	402.0	
102.5	CARBONDALE		UNCLASSIFIED	3.5	405.5	SHALE ABOVE BRERETON LIMESTONE
99.0	CARBONDALE	BRERETON	LIMESTONE	2.0	409.0	
97.0	CARBONDALE	ANNA	BLACK SHALE	1.0	411.0	
96.0	CARBONDALE	HERRIN	COAL	4.5	412.0	

MAPID: 02701914000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.335037 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.738775 DATE COLLECTED: 6 / 0 / 1962

SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 425.0 LOG TYPE: Electric Log

SOURCE: GOODWIN, MR. E. W. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
75.0	CARBONDALE	HERRIN	COAL	6.0	419.0	

MAPID: 02702880000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.341885 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.729796 DATE COLLECTED: 9 / 0 / 1949

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
68.0	CARBONDALE	HERRIN	COAL	4.0	414.0	

MAPID: 02703448000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.332711 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.738797 DATE COLLECTED: 7 / 0 / 1968

SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 434.0 LOG TYPE: Electric Log

SOURCE: BABARE, NICK, JR. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.0	MODESTO	PIASA	LIMESTONE	5.0	390.0	
119.0	MODESTO		UNCLASSIFIED	5.0	395.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.0	CARBONDALE		UNCLASSIFIED	14.0	400.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	414.0	
94.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	420.0	
90.0	CARBONDALE		UNCLASSIFIED	3.5	424.0	SHALE ABOVE BRERETON LIMESTONE
86.5	CARBONDALE	BRERETON	LIMESTONE	1.0	427.5	
85.5	CARBONDALE	ANNA	BLACK SHALE	1.5	428.5	
84.0	CARBONDALE	HERRIN	COAL	4.0	430.0	

MAPID: 02725128000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 5 QUARTERS/FOOTAGES: 1356' N line, 32' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.347726 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.737553 DATE COLLECTED: 10 / 30 / 1981

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 417.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI80-5-18C WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.0			UNCONSOLIDATED	22.0	0.0	
450.0	BOND	CARTHAGE	LIMESTONE	8.0	22.0	
442.0	MODESTO	NEW HAVEN	BLACK SHALE	3.0	30.0	
439.0	MODESTO		UNCLASSIFIED	62.0	33.0	
377.0	MODESTO	CHAPEL	BLACK SHALE	4.0	95.0	
373.0	MODESTO		UNCLASSIFIED	112.5	99.0	
260.5	MODESTO	LAKE CREEK	COAL	1.5	211.5	#8 ON E-LOG
259.0	MODESTO		UNCLASSIFIED	115.0	213.0	
144.0	MODESTO	PIASA	LIMESTONE	7.0	328.0	
137.0	MODESTO		UNCLASSIFIED	14.0	335.0	
123.0	CARBONDALE	DANVILLE	COAL	2.0	349.0	
121.0	CARBONDALE		UNCLASSIFIED	4.0	351.0	
117.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	355.0	
112.0	CARBONDALE		UNCLASSIFIED	10.0	360.0	
102.0	CARBONDALE	ANNA	BLACK SHALE	1.0	370.0	
101.0	CARBONDALE	HERRIN	COAL	6.0	371.0	
95.0	CARBONDALE		UNCLASSIFIED	20.0	377.0	
75.0	CARBONDALE	SPRINGFIELD	COAL	5.0	397.0	
70.0	CARBONDALE		UNCLASSIFIED	15.0	402.0	

MAPID: 02700821000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.361299 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.731309 DATE COLLECTED: 4 / 0 / 1942

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 395.0 LOG TYPE: Electric Log

SOURCE: DARNELL, JACK ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
76.0	CARBONDALE	HERRIN	COAL	6.0	389.0	

MAPID: 02700821000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.361299

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.731309

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 1167.0

LOG TYPE:

SOURCE: DARNL JETL, HARTMAN G 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
419.0	BOND	CARTHAGE	LIMESTONE	-	44.0	
77.0	CARBONDALE	HERRIN	COAL	-	386.0	

MAPID: 02700822000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.349206

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.727961

DATE COLLECTED: 2 / 0 / 1942

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 380.0

LOG TYPE: Electric Log

SOURCE: DARNELL, JACK ETAL

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
137.5	MODESTO	PIASA	LIMESTONE	5.0	332.5	
132.5	MODESTO		UNCLASSIFIED	3.0	337.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
129.5	CARBONDALE	DANVILLE	COAL	1.0	340.5	
128.5	CARBONDALE		UNCLASSIFIED	15.5	341.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
113.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	357.0	
108.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	362.0	
105.5	CARBONDALE		UNCLASSIFIED	2.5	364.5	SHALE ABOVE BRERETON LIMESTONE
103.0	CARBONDALE	BRERETON	LIMESTONE	5.0	367.0	
98.0	CARBONDALE	ANNA	BLACK SHALE	2.0	372.0	
96.0	CARBONDALE	HERRIN	COAL	6.0	374.0	

MAPID: 02700822000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.349206

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.727961

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 1258.0

LOG TYPE:

SOURCE: DARNL JETL, LAUX E

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
440.0	BOND	CARTHAGE	LIMESTONE	-	30.0	
93.0	CARBONDALE	HERRIN	COAL	-	377.0	

MAPID: 02701104000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 414' E line of SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.367287 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.734836 DATE COLLECTED: 5 / 0 / 1955

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE		UNCLASSIFIED	4.7		INTERVAL ABOVE BANKSTON, BELOW DANVILLE

MAPID: 02701538000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.355035 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.74034 DATE COLLECTED: 2 / 0 / 1957

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Gas

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.0	MODESTO	PIASA	LIMESTONE	6.0	347.0	
130.0	MODESTO		UNCLASSIFIED	6.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
124.0	CARBONDALE		UNCLASSIFIED	16.0	359.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
108.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	375.0	
102.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	381.0	
98.0	CARBONDALE		UNCLASSIFIED	4.0	385.0	SHALE ABOVE BRERETON LIMESTONE
94.0	CARBONDALE	ANNA	BLACK SHALE	3.0	389.0	
91.0	CARBONDALE	HERRIN	COAL	5.0	392.0	

MAPID: 02701938000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.364644 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.729435 DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 955.0 LOG TYPE: Electric Log

SOURCE: BASSETT, CLYDE WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
12.0	CARBONDALE	SPRINGFIELD	COAL	-	453.0	
-70.0	CARBONDALE	COLCHESTER	COAL	-	535.0	
-490.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	955.0	

MAPID: 02701938000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: KEYSPORT LONGITUDE: -89.364644 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.729435 DATE COLLECTED: 6 / 0 / 1962

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 387.0 LOG TYPE: Electric Log

SOURCE: BASSETT, CLYDE WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
130.5	MODESTO	PIASA	LIMESTONE	6.5	334.5	
124.0	MODESTO		UNCLASSIFIED	6.0	341.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
118.0	CARBONDALE		UNCLASSIFIED	16.0	347.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
102.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	363.0	
96.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	369.0	
93.0	CARBONDALE		UNCLASSIFIED	2.5	372.0	SHALE ABOVE BRERETON LIMESTONE
90.5	CARBONDALE	BRERETON	LIMESTONE	3.5	374.5	
87.0	CARBONDALE	ANNA	BLACK SHALE	3.0	378.0	
84.0	CARBONDALE	HERRIN	COAL	6.0	381.0	

MAPID: 02702886000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 1963' W line

QUADRANGLE: KEYSPORT LONGITUDE: -89.364915 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.727638 DATE COLLECTED: 11 / 0 / 1950

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: PRUETT T M WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	LIMESTONE	6.0	352.0	
109.0	MODESTO		UNCLASSIFIED	7.0	358.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
102.0	CARBONDALE		UNCLASSIFIED	19.0	365.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	384.0	
77.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	390.0	
74.0	CARBONDALE		UNCLASSIFIED	3.0	393.0	SHALE ABOVE BRERETON LIMESTONE
71.0	CARBONDALE	BRERETON	LIMESTONE	3.0	396.0	
68.0	CARBONDALE	ANNA	BLACK SHALE	3.0	399.0	
65.0	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02702892000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.358271 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.729566 DATE COLLECTED: 12 / 0 / 1954

SURFACE ELEVATION (FT.): LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: WEBSTER & PERRINE WELL TYPE: Producer-Oil

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	7.0		
-	MODESTO		UNCLASSIFIED	6.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	1.0		
-	CARBONDALE		UNCLASSIFIED	14.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE
-	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0		
-	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0		
-	CARBONDALE		UNCLASSIFIED	3.0		SHALE ABOVE BRERETON LIMESTONE
-	CARBONDALE	ANNA	BLACK SHALE	3.0		
-	CARBONDALE	HERRIN	COAL	6.0		ELEVATION OF HERRIN = 104

MAPID: 02702892000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.358271 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.729566 DATE COLLECTED:

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.0	MODESTO	PIASA	LIMESTONE	7.0	328.0	
142.0	MODESTO		SHALE	14.0	335.0	
128.0	CARBONDALE	DANVILLE	COAL	3.0	349.0	
125.0	CARBONDALE		SHALE	5.0	352.0	
120.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	357.0	
114.0	CARBONDALE	LAWSON	SHALE	10.0	363.0	
104.0	CARBONDALE	HERRIN	COAL	5.0	373.0	

MAPID: 02703141000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.354993 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.736798 DATE COLLECTED: 8 / 0 / 1955

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 372.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.5	MODESTO	PIASA	LIMESTONE	4.0	324.5	
128.5	MODESTO		UNCLASSIFIED	6.0	328.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.5	CARBONDALE		UNCLASSIFIED	13.0	334.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
109.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	347.5	
102.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	354.5	
99.0	CARBONDALE		UNCLASSIFIED	3.5	358.0	SHALE ABOVE BRERETON LIMESTONE
95.5	CARBONDALE	BRERETON	LIMESTONE	4.5	361.5	
91.0	CARBONDALE	ANNA	BLACK SHALE	2.0	366.0	
89.0	CARBONDALE	HERRIN	COAL	4.0	368.0	

MAPID: 02725129000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 6 QUARTERS/FOOTAGES: 258' N line, 612' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.369677 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.740445 DATE COLLECTED: 10 / 31 / 1980

SURFACE ELEVATION (FT.): 503.0 LOGGED (FT.): 479.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI-80-6-17 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS., RESIST.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
503.0			UNCONSOLIDATED	96.0	0.0	
407.0	MODESTO	NEW HAVEN	BLACK SHALE	2.5	96.0	
404.5	MODESTO		UNCLASSIFIED	57.5	98.5	
347.0	MODESTO	CHAPEL	BLACK SHALE	3.0	156.0	
344.0	MODESTO		UNCLASSIFIED	108.0	159.0	
236.0	MODESTO		BLACK SHALE	1.5	267.0	
234.5	MODESTO		UNCLASSIFIED	1.7	268.5	
232.8	MODESTO	LAKE CREEK	COAL	1.8	270.2	UNCERTAIN CORRELATION
231.0	MODESTO		UNCLASSIFIED	148.0	272.0	PIASA LS. INTERVAL 390-400 ABSENT
83.0	CARBONDALE	DANVILLE	COAL	1.5	420.0	
81.5	CARBONDALE		UNCLASSIFIED	7.5	421.5	
74.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	429.0	
66.0	CARBONDALE		UNCLASSIFIED	10.5	437.0	
55.5	CARBONDALE	ANNA	BLACK SHALE	4.0	447.5	
51.5	CARBONDALE	HERRIN	COAL	8.5	451.5	
43.0	CARBONDALE		UNCLASSIFIED	19.0	460.0	

MAPID: 02700001000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLINTON **TWP/RNG:** 3N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** 1450' S line, 2300' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.363778 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.716199 **DATE COLLECTED:** 0 / 0 / 1917
SURFACE ELEVATION (FT.): 469.5 **LOGGED (FT.):** 1234.0 **LOG TYPE:**
SOURCE: FLAT BRNCH, **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.5	CARBONDALE	HERRIN	COAL	-	400.0	CORRELATION UNCERTAIN

MAPID: 02700001000C **VERSION:** 2 **PROJECT:** BLM
COUNTY: CLINTON **TWP/RNG:** 3N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** 1450' S line, 2300' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.363778 **GEOLOGIST:** TREWORGY,J
CONFIDENTIAL: N **LATITUDE:** 38.716199 **DATE COLLECTED:** 3 / 0 / 1917
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1150.0 **LOG TYPE:** Drillers Log
SOURCE: FLAT BRANCH OIL & GAS POOL **WELL TYPE:** Oil and Gas Test
COMMENT: QUESTIONABLE THICKNESS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
470.0			UNCONSOLIDATED	41.0	0.0	
429.0			ROCK	315.0	41.0	
114.0			SHALE	20.0	356.0	
94.0			LIMESTONE	10.0	376.0	
84.0			SHALE	14.0	386.0	
70.0	CARBONDALE	HERRIN	COAL	5.0	400.0	
65.0			ROCK	745.0	405.0	

MAPID: 02700001000C **VERSION:** 3 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 2W **SECTION:** 7 **QUARTERS/FOOTAGES:** 1450' S line, 2300' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.363778 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.716199 **DATE COLLECTED:** 3 / 0 / 1917
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 404.0 **LOG TYPE:** Drillers Log
SOURCE: FLAT BRANCH OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.0	CARBONDALE	HERRIN	COAL	5.0	399.0	

MAPID: 02700002000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 200' S line, 1500' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.36661 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.712702 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 464.3 LOGGED (FT.): 1149.0 LOG TYPE:

SOURCE: FLAT BRNCH, WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.3	CARBONDALE	HERRIN	COAL	-	403.0	CORRELATION UNCERTAIN

MAPID: 02700002000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 200' S line, 1500' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.36661 GEOLOGIST: TREWORYG,J

CONFIDENTIAL: N LATITUDE: 38.712702 DATE COLLECTED: 0 / 0 / 1917

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 1149.0 LOG TYPE: Drillers Log

SOURCE: FLAT BRANCH OIL & GAS POOL WELL TYPE: Oil and Gas Test

COMMENT: QUESTIONABLE THICKNESS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
464.0			UNCONSOLIDATED	35.0	0.0	
429.0			ROCK	315.0	35.0	
114.0			SHALE	30.0	350.0	
84.0			LIMESTONE	10.0	380.0	
74.0			SHALE	8.0	390.0	
66.0			LIMESTONE	2.0	398.0	
64.0			SHALE	3.0	400.0	
61.0	CARBONDALE	HERRIN	COAL	6.0	403.0	
55.0			ROCK	740.0	409.0	

MAPID: 02700002000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 200' S line, 1500' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.36661 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.712702 DATE COLLECTED: 1 / 0 / 1917

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 409.0 LOG TYPE: Drillers Log

SOURCE: FLAT BRANCH OIL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	380.0	
74.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	390.0	
70.0	CARBONDALE		UNCLASSIFIED	4.0	394.0	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	BRERETON	LIMESTONE	2.0	398.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	3.0	400.0	
61.0	CARBONDALE	HERRIN	COAL	6.0	403.0	

MAPID: 02701069000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.361232 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.722256 DATE COLLECTED: 12 / 0 / 1946

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 385.0 LOG TYPE: Electric Log

SOURCE: NO COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.5	MODESTO	PIASA	LIMESTONE	3.5	334.5	
136.0	MODESTO		UNCLASSIFIED	7.0	338.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
129.0	CARBONDALE		UNCLASSIFIED	16.0	345.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
113.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	361.0	
105.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	369.0	
102.5	CARBONDALE		UNCLASSIFIED	2.5	371.5	SHALE ABOVE BRERETON LIMESTONE
100.0	CARBONDALE	BRERETON	LIMESTONE	2.0	374.0	
98.0	CARBONDALE	ANNA	BLACK SHALE	3.0	376.0	
95.0	CARBONDALE	HERRIN	COAL	6.0	379.0	

MAPID: 02701069000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.361232 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.722256 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 1395.0 LOG TYPE:

SOURCE: TEXAS CO, KNEIER L 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	CARBONDALE	HERRIN	COAL	-	379.0	

MAPID: 02701494000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: SE NW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.367304 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.723947 DATE COLLECTED: 9 / 0 / 1949

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: MCFARLAND, ROLLA J. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.5	MODESTO	PIASA	LIMESTONE	5.5	330.5	
134.0	MODESTO		UNCLASSIFIED	6.0	336.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
128.0	CARBONDALE		UNCLASSIFIED	13.0	342.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
115.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	355.0	
108.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	362.0	
105.5	CARBONDALE		UNCLASSIFIED	2.5	364.5	SHALE ABOVE BRERETON LIMESTONE
103.0	CARBONDALE	BRERETON	LIMESTONE	3.0	367.0	
100.0	CARBONDALE	ANNA	BLACK SHALE	3.0	370.0	
97.0	CARBONDALE	HERRIN	COAL	5.0	373.0	

MAPID: 02701494000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: SE NW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.367304

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.723947

DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0

LOGGED (FT.): 388.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
140.0	MODESTO	PIASA	LIMESTONE	6.0	340.0
134.0	MODESTO		SHALE	14.0	346.0
120.0	CARBONDALE	DANVILLE	COAL	2.0	360.0
118.0	CARBONDALE		SHALE	4.0	362.0
114.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	366.0
108.0	CARBONDALE	LAWSON	SHALE	6.0	372.0
102.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	378.0
100.0	CARBONDALE	ANNA	SHALE	2.0	380.0
98.0	CARBONDALE	HERRIN	COAL	6.0	382.0

MAPID: 02702898000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.370726

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.714797

DATE COLLECTED: 12 / 0 / 1951

SURFACE ELEVATION (FT.): 479.0

LOGGED (FT.): 418.0

LOG TYPE: Electric Log

SOURCE: MCFARLAND, ROLLA J.

WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
66.0	CARBONDALE	HERRIN	COAL	5.0	413.0

MAPID: 02702901000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.354839 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.724208 DATE COLLECTED: 4 / 0 / 1946

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 376.5 LOG TYPE: Electric Log

SOURCE: GARARD JAMES L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.0	MODESTO	PIASA	LIMESTONE	6.0	326.0	
130.0	MODESTO		UNCLASSIFIED	6.0	332.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
124.0	CARBONDALE	DANVILLE	COAL	2.0	338.0	
122.0	CARBONDALE		UNCLASSIFIED	13.0	340.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
109.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	353.0	
102.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	360.0	
98.5	CARBONDALE		UNCLASSIFIED	3.5	363.5	SHALE ABOVE BRERETON LIMESTONE
95.0	CARBONDALE	BRERETON	LIMESTONE	2.0	367.0	
93.0	CARBONDALE	ANNA	BLACK SHALE	2.0	369.0	
91.0	CARBONDALE	HERRIN	COAL	5.5	371.0	

MAPID: 02702904000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 660' N line, 330' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.348803 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.725261 DATE COLLECTED: 12 / 0 / 1947

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 393.0 LOG TYPE: Electric Log

SOURCE: SCHLAFLY H J ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
136.0	MODESTO	PIASA	LIMESTONE	8.0	340.0	
128.0	MODESTO		UNCLASSIFIED	6.0	348.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
122.0	CARBONDALE	DANVILLE	COAL	2.0	354.0	
120.0	CARBONDALE		UNCLASSIFIED	12.5	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	368.5	
101.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	375.0	
97.5	CARBONDALE		UNCLASSIFIED	3.5	378.5	SHALE ABOVE BRERETON LIMESTONE
94.0	CARBONDALE	BRERETON	LIMESTONE	4.5	382.0	
89.5	CARBONDALE	ANNA	BLACK SHALE	2.5	386.5	
87.0	CARBONDALE	HERRIN	COAL	4.0	389.0	

MAPID: 02702908000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.364626 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.724005 DATE COLLECTED:

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 955.0 LOG TYPE: Electric Log

SOURCE: GARARD JAMES L WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	CARBONDALE	SPRINGFIELD	COAL	-	445.0	
-46.0	CARBONDALE	COLCHESTER	COAL	-	521.0	
-480.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	955.0	

MAPID: 02725315000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 90' S line, 1350' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.352107 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.712643 DATE COLLECTED: 9 / 30 / 1981

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 410.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI80-7-10C WELL TYPE: Coal Test

COMMENT: DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
430.0	BOND	CARTHAGE	LIMESTONE	6.0	40.0	
424.0	MODESTO		UNCLASSIFIED	64.0	46.0	
360.0	MODESTO	CHAPEL	COAL	2.0	110.0	UNCERTAIN CORRELATION
358.0	MODESTO		UNCLASSIFIED	120.0	112.0	
238.0	MODESTO	LAKE CREEK	COAL	1.5	232.0	UNCERTAIN CORRELATION
236.5	MODESTO		UNCLASSIFIED	10.5	233.5	
226.0	MODESTO		COAL	1.0	244.0	
225.0	MODESTO		UNCLASSIFIED	103.0	245.0	
122.0	MODESTO	PIASA	LIMESTONE	1.0	348.0	
121.0	MODESTO		UNCLASSIFIED	2.0	349.0	
119.0	CARBONDALE	DANVILLE	COAL	1.0	351.0	
118.0	CARBONDALE		UNCLASSIFIED	2.0	352.0	
116.0	CARBONDALE		LIMESTONE	2.0	354.0	
114.0	CARBONDALE		UNCLASSIFIED	9.0	356.0	
105.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	365.0	
104.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	3.0	366.0	
101.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	369.0	
94.0	CARBONDALE		UNCLASSIFIED	10.0	376.0	
84.0	CARBONDALE	BRERETON	LIMESTONE	5.0	386.0	
79.0	CARBONDALE	HERRIN	COAL	7.0	391.0	
72.0	CARBONDALE		UNCLASSIFIED	12.0	398.0	

MAPID: 02725318000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 7 QUARTERS/FOOTAGES: 50' N line, 2925' E line

QUADRANGLE: BECKEMEYER LONGITUDE: -89.357927 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.726745 DATE COLLECTED: 11 / 11 / 1981

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 400.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-7-22C WELL TYPE: Coal Test

COMMENT: DENSITY AND RESIST.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.0			UNCONSOLIDATED	103.0	0.0	
369.0	MODESTO	CHAPEL	BLACK SHALE	7.0	103.0	UNCERTAIN CORRELATION
362.0	MODESTO		UNCLASSIFIED	102.0	110.0	
260.0	MODESTO	LAKE CREEK	COAL	2.0	212.0	UNCERTAIN CORRELATION
258.0	MODESTO		UNCLASSIFIED	110.0	214.0	
148.0	MODESTO		LIMESTONE	6.0	324.0	
142.0	MODESTO		UNCLASSIFIED	18.0	330.0	
124.0	CARBONDALE	DANVILLE	COAL	3.0	348.0	
121.0	CARBONDALE		UNCLASSIFIED	6.0	351.0	
115.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	357.0	
112.0	CARBONDALE		UNCLASSIFIED	14.0	360.0	
98.0	CARBONDALE	BRERETON	LIMESTONE	1.5	374.0	
96.5	CARBONDALE	HERRIN	COAL	6.0	375.5	
90.5	CARBONDALE		UNCLASSIFIED	18.5	381.5	

MAPID: 02700999000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.346409 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.722547 DATE COLLECTED: 3 / 0 / 1943

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN ALOYS WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	CARBONDALE	HERRIN	COAL	7.0	387.0	

MAPID: 02700999000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.346409 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.722547 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 1205.0 LOG TYPE:

SOURCE: SCHIERMN A, L & M COMM 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	CARBONDALE	HERRIN	COAL	-	387.0	CORRELATION UNCERTAIN

MAPID: 02701480000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.341642 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.718937 DATE COLLECTED: 11 / 0 / 1954

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 402.5 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.5	MODESTO	PIASA	LIMESTONE	3.5	360.5	
101.0	MODESTO		UNCLASSIFIED	6.0	364.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.0	CARBONDALE	DANVILLE	COAL	1.0	370.0	
94.0	CARBONDALE		UNCLASSIFIED	7.0	371.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
87.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	378.0	
79.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	386.0	
75.0	CARBONDALE		UNCLASSIFIED	3.0	390.0	SHALE ABOVE BRERETON LIMESTONE
72.0	CARBONDALE	ANNA	BLACK SHALE	3.0	393.0	
69.0	CARBONDALE	HERRIN	COAL	6.5	396.0	

MAPID: 02701751000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.339198 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.713471 DATE COLLECTED: 6 / 0 / 1949

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	3.5	362.0	
104.5	MODESTO		UNCLASSIFIED	5.5	365.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
99.0	CARBONDALE		UNCLASSIFIED	13.0	371.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	384.0	
78.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	392.0	
74.0	CARBONDALE		UNCLASSIFIED	4.0	396.0	SHALE ABOVE BRERETON LIMESTONE
70.0	CARBONDALE	ANNA	BLACK SHALE	2.0	400.0	
68.0	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02701751000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.339198 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.713471 DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	4.0	362.0	
104.0	MODESTO		SHALE	14.0	366.0	
90.0	CARBONDALE		SHALE	5.0	380.0	
85.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	385.0	
78.0	CARBONDALE	LAWSON	SHALE	10.0	392.0	
68.0	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02701926000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.339451 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.726275 DATE COLLECTED:

SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 2546.0 LOG TYPE: Electric Log

SOURCE: ENGELKE, F. W. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
16.0	CARBONDALE	SPRINGFIELD	COAL	-	488.0	
-62.0	CARBONDALE	COLCHESTER	COAL	-	566.0	
-502.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1006.0	
-1980.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2484.0	TOP OF NEW ALBANY
-2004.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2508.0	
-2042.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2546.0	BASE OF NEW ALBANY

MAPID: 02701926000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.339451 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.726275 DATE COLLECTED: 7 / 0 / 1962

SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: ENGELKE, F. W. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	CARBONDALE	DANVILLE	COAL	2.0	394.0	
108.0	CARBONDALE		UNCLASSIFIED	12.0	396.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	408.0	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	416.0	
85.5	CARBONDALE		UNCLASSIFIED	2.5	418.5	SHALE ABOVE BRERETON LIMESTONE
83.0	CARBONDALE	BRERETON	LIMESTONE	3.0	421.0	
80.0	CARBONDALE	ANNA	BLACK SHALE	1.0	424.0	
79.0	CARBONDALE	HERRIN	COAL	5.0	425.0	

MAPID: 02702909000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.332334 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.720849 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 422.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT ELMER WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	HERRIN	COAL	4.0	418.0	

MAPID: 02725130000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: 38' S line, 2470' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.338647 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.712664 DATE COLLECTED: 11 / 4 / 1980

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 440.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI-80-8-19 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
471.0			UNCONSOLIDATED	13.0	0.0	
458.0	BOND		UNCLASSIFIED	35.0	13.0	
423.0	BOND	CARTHAGE	LIMESTONE	8.0	48.0	
415.0	MODESTO		BLACK SHALE	3.0	56.0	
412.0	MODESTO	NEW HAVEN	COAL	2.0	59.0	
410.0	MODESTO		UNCLASSIFIED	66.0	61.0	
344.0	MODESTO	CHAPEL	BLACK SHALE	3.0	127.0	
341.0	MODESTO		UNCLASSIFIED	109.0	130.0	
232.0	MODESTO	LAKE CREEK	COAL	1.0	239.0	UNCERTAIN CORRELATION
231.0	MODESTO		UNCLASSIFIED	116.0	240.0	
115.0	MODESTO	PIASA	LIMESTONE	1.5	356.0	
113.5	MODESTO		UNCLASSIFIED	17.7	357.5	
95.8	CARBONDALE	DANVILLE	COAL	0.8	375.2	
95.0	CARBONDALE		UNCLASSIFIED	2.5	376.0	
92.5	CARBONDALE	BANKSTON FORK	LIMESTONE	6.5	378.5	
86.0	CARBONDALE		UNCLASSIFIED	6.5	385.0	
79.5	CARBONDALE	BRERETON	LIMESTONE	9.5	391.5	
70.0	CARBONDALE		UNCLASSIFIED	0.8	401.0	
69.2	CARBONDALE	HERRIN	COAL	6.0	401.8	
63.2	CARBONDALE		UNCLASSIFIED	16.2	407.8	
47.0	CARBONDALE	TURNER MINE	BLACK SHALE	1.7	424.0	
45.3	CARBONDALE	SPRINGFIELD	COAL	2.4	425.7	
42.9	CARBONDALE		UNCLASSIFIED	11.9	428.1	

MAPID: 02725319000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 8 QUARTERS/FOOTAGES: 2642' S line, 90' E line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.329119 GEOLOGIST: R. SMITH
 CONFIDENTIAL: N LATITUDE: 38.719944 DATE COLLECTED: 11 / 4 / 1981
 SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 439.5 LOG TYPE: Multiple log types
 SOURCE: MOBIL OIL CORP. WI81-8-21C WELL TYPE: Coal Test
 COMMENT: DENSITY AND RESIST.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
420.0	BOND	CARTHAGE	LIMESTONE	8.0	70.0	
412.0	MODESTO		UNCLASSIFIED	3.0	78.0	
409.0	MODESTO	NEW HAVEN	BLACK SHALE	3.0	81.0	
406.0	MODESTO		UNCLASSIFIED	66.0	84.0	
340.0	MODESTO	CHAPEL	COAL	2.0	150.0	UNCERTAIN CORRELATION
338.0	MODESTO		UNCLASSIFIED	109.0	152.0	
229.0	MODESTO	LAKE CREEK	COAL	2.0	261.0	UNCERTAIN CORRELATION
227.0	MODESTO		UNCLASSIFIED	113.0	263.0	
114.0	MODESTO	PIASA	LIMESTONE	6.0	376.0	
108.0	MODESTO		UNCLASSIFIED	15.0	382.0	
93.0	CARBONDALE	DANVILLE	COAL	2.0	397.0	
91.0	CARBONDALE		UNCLASSIFIED	19.0	399.0	
72.0	CARBONDALE	HERRIN	COAL	6.0	418.0	
66.0	CARBONDALE		UNCLASSIFIED	15.5	424.0	

MAPID: 02700003000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 9 QUARTERS/FOOTAGES: NE SE SE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.311147 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.71548 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 412.0 LOG TYPE: Drillers Log
 SOURCE: EWING & MARQUIS WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	CARBONDALE	HERRIN	COAL	6.0	406.0	

MAPID: 02700003000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 9 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.311147

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.71548

DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 478.1 LOGGED (FT.): 1382.0

LOG TYPE:

SOURCE: OHIO&EWING, DUCOMB 3

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
396.1	BOND	CARTHAGE	LIMESTONE	-	82.0	
41.1	CARBONDALE	HERRIN	COAL	-	437.0	

MAPID: 02702912000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.327531

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.713573

DATE COLLECTED: 8 / 0 / 1949

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 417.0

LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	CARBONDALE	HERRIN	COAL	4.0	413.0	

MAPID: 02700004000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: SE SE SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.30585

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.713218

DATE COLLECTED: 0 / 0 / 1915

SURFACE ELEVATION (FT.): 459.6 LOGGED (FT.): 1270.0

LOG TYPE:

SOURCE: EWING&MARQ, DUCOMB 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
399.6	BOND	CARTHAGE	LIMESTONE	-	60.0	
55.6	CARBONDALE	HERRIN	COAL	-	404.0	CORRELATION UNCERTAIN

MAPID: 02700004000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: SE SE SW SW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.30585 GEOLOGIST: TREWORY,J
 CONFIDENTIAL: N LATITUDE: 38.713218 DATE COLLECTED: 3 / 0 / 1915
 SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 1270.0 LOG TYPE: Drillers Log
 SOURCE: OHIO & EWING & MARQUIS WELL TYPE: Oil and Gas Test
 COMMENT: QUESTIONABLE LOCATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
460.0			UNCONSOLIDATED	35.0	0.0	
425.0			ROCK	272.0	35.0	
153.0			SHALE	83.0	307.0	
70.0	CARBONDALE	DANVILLE	COAL	3.0	390.0	
67.0	CARBONDALE		LIMESTONE	11.0	393.0	
56.0	CARBONDALE	HERRIN	COAL	6.0	404.0	
50.0			ROCK	860.0	410.0	

MAPID: 02700177000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: SW SW SW SW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.309353 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.713196 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 463.4 LOGGED (FT.): 1310.0 LOG TYPE:
 SOURCE: EWING&MARQ, DUCOMB WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
407.4	BOND	CARTHAGE	LIMESTONE	-	56.0	
62.4	CARBONDALE	HERRIN	COAL	-	401.0	CORRELATION UNCERTAIN

MAPID: 02700177000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: SW SW SW SW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.309353 GEOLOGIST: TREWORY,J
 CONFIDENTIAL: N LATITUDE: 38.713196 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 1310.0 LOG TYPE: Drillers Log
 SOURCE: EWING & MARQUIS WELL TYPE: Oil and Gas Test
 COMMENT: QUESTIONABLE LOCATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
463.0			UNCONSOLIDATED	49.0	0.0	
414.0			ROCK	257.0	49.0	
157.0			SHALE	89.0	306.0	
68.0			LIMESTONE	6.0	395.0	
62.0	CARBONDALE	HERRIN	COAL	6.0	401.0	
56.0			ROCK	903.0	407.0	

MAPID: 02700177000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: SW SW SW SW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.309353 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.713196 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 407.0 LOG TYPE: Drillers Log
 SOURCE: EWING & MARQUIS WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
62.0	CARBONDALE	HERRIN	COAL	6.0	401.0	

MAPID: 02700202000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: SE NW SE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.297135 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.717369 DATE COLLECTED: 0 / 0 / 1936
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 408.0 LOG TYPE: Drillers Log
 SOURCE: SANTA FE OIL & GAS WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	CARBONDALE	HERRIN	COAL	5.0	403.0	

MAPID: 02700202000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: SE NW SE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.297135 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.717369 DATE COLLECTED: 0 / 0 / 1936
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 1283.0 LOG TYPE:
 SOURCE: SANTAFE OG, WELCH J P 1 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
390.0	BOND	CARTHAGE	LIMESTONE	-	90.0	
65.0	CARBONDALE	HERRIN	COAL	-	415.0	CORRELATION UNCERTAIN

MAPID: 02700398000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.297228 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.726469 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 388.0 LOG TYPE: Drillers Log

SOURCE: M & K OIL CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
120.0	MODESTO	PIASA	LIMESTONE	8.0	336.0	
112.0	MODESTO		UNCLASSIFIED	5.0	344.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
107.0	CARBONDALE		UNCLASSIFIED	15.0	349.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	364.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	370.0	
83.0	CARBONDALE		UNCLASSIFIED	3.0	373.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	3.0	376.0	
77.0	CARBONDALE	ANNA	BLACK SHALE	3.0	379.0	
74.0	CARBONDALE	HERRIN	COAL	6.0	382.0	

MAPID: 02700398000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.297228 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.726469 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 1276.0 LOG TYPE:

SOURCE: M & K CC, KESNER 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
417.0	BOND	CARTHAGE	LIMESTONE	-	39.0	
74.0	CARBONDALE	HERRIN	COAL	-	382.0	CORRELATION UNCERTAIN

MAPID: 02703379000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 10 QUARTERS/FOOTAGES: 330' S line, 930' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.30667 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.713664 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 1051.0 LOG TYPE: Electric Log

SOURCE: PENN-IL OIL & GAS WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-590.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1051.0	

MAPID: 02701070000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 11 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280786 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.715556 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 1290.0 LOG TYPE:

SOURCE: SMOKEY OC, HOOD GEO 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	HERRIN	COAL	-	415.0	

MAPID: 02701070000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 11 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280786 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.715556 DATE COLLECTED:

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 423.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	MODESTO	PIASA	LIMESTONE	8.0	371.0	
74.0	MODESTO		SHALE	15.0	379.0	
59.0	CARBONDALE	DANVILLE	COAL	2.0	394.0	
57.0	CARBONDALE		SHALE	4.0	396.0	
53.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	400.0	
47.0	CARBONDALE	LAWSON	SHALE	10.0	406.0	
37.0	CARBONDALE	HERRIN	COAL	7.0	416.0	

MAPID: 02701070000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 11 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280786 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.715556 DATE COLLECTED: 8 / 0 / 1942

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 423.0 LOG TYPE: Electric Log

SOURCE: SMOKEY OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	MODESTO	PIASA	LIMESTONE	8.0	372.0	
74.0	MODESTO		UNCLASSIFIED	7.5	380.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.5	CARBONDALE	DANVILLE	COAL	1.5	387.5	
65.0	CARBONDALE		UNCLASSIFIED	12.0	389.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
53.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	401.0	
46.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	408.0	
42.0	CARBONDALE		UNCLASSIFIED	4.0	412.0	SHALE ABOVE BRERETON LIMESTONE
38.0	CARBONDALE	BRERETON	LIMESTONE	1.0	416.0	
37.0	CARBONDALE	ANNA	BLACK SHALE	1.0	417.0	
36.0	CARBONDALE	HERRIN	COAL	5.0	418.0	

MAPID: 02701482000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 12 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.255086 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.720938 DATE COLLECTED: 10 / 0 / 1952

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: GLASS, THEO G. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.6	MODESTO	PIASA	LIMESTONE	6.0	379.4	
50.6	MODESTO		UNCLASSIFIED	6.5	385.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
44.1	CARBONDALE		UNCLASSIFIED	14.0	391.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
30.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	405.9	
23.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	412.9	
20.3	CARBONDALE		UNCLASSIFIED	2.8	415.7	SHALE ABOVE BRERETON LIMESTONE
17.5	CARBONDALE	BRERETON	LIMESTONE	2.0	418.5	
15.5	CARBONDALE	ANNA	BLACK SHALE	3.5	420.5	
12.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02701482000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 12 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.255086 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.720938 DATE COLLECTED:

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	MODESTO	PIASA	LIMESTONE	6.0	379.0	
51.0	MODESTO		SHALE	15.0	385.0	
36.0	CARBONDALE	DANVILLE	COAL	3.0	400.0	
33.0	CARBONDALE		SHALE	4.0	403.0	
29.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	407.0	
24.0	CARBONDALE	LAWSON	SHALE	7.0	412.0	
17.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	419.0	
12.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02701482000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 12 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.255086 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.720938 DATE COLLECTED:

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 1104.0 LOG TYPE: Electric Log

SOURCE: GLASS, THEO G. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-16.0	CARBONDALE	SPRINGFIELD	COAL	-	452.0	
-129.0	CARBONDALE	COLCHESTER	COAL	-	565.0	
-668.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1104.0	

MAPID: 02701275000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 13 QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.266742 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.711882 DATE COLLECTED: 9 / 0 / 1956

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 437.0 LOG TYPE: Electric Log

SOURCE: CLAYPOOL DAVID N WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
27.0	CARBONDALE		UNCLASSIFIED	6.0	409.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
21.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	415.0	
15.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	421.0	
11.0	CARBONDALE		UNCLASSIFIED	3.5	425.0	SHALE ABOVE BRERETON LIMESTONE
7.5	CARBONDALE	ANNA	BLACK SHALE	2.5	428.5	
5.0	CARBONDALE	HERRIN	COAL	6.0	431.0	

MAPID: 02701275000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 13 QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.266742 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.711882 DATE COLLECTED:

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 437.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	MODESTO		SHALE	24.0	385.0	
27.0	CARBONDALE	DANVILLE	BONE COAL	1.0	409.0	
26.0	CARBONDALE		SHALE	5.0	410.0	
21.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	415.0	
15.0	CARBONDALE	LAWSON	SHALE	11.0	421.0	
4.0	CARBONDALE	HERRIN	COAL	5.0	432.0	

MAPID: 02701275000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 13 QUARTERS/FOOTAGES: NW NE NW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.266742 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.711882 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 2680.0 LOG TYPE: Electric Log
 SOURCE: CLAYPOOL DAVID N WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	CARBONDALE	SPRINGFIELD	COAL	-	458.0	
-142.0	CARBONDALE	COLCHESTER	COAL	-	578.0	
-661.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1097.0	
-2182.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2618.0	TOP OF NEW ALBANY
-2202.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2638.0	
-2244.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2680.0	BASE OF NEW ALBANY

MAPID: 02701663000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.257188 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.700902 DATE COLLECTED: 7 / 0 / 1958
 SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 445.0 LOG TYPE: Electric Log
 SOURCE: A. A. DRILLING CO. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
10.0	CARBONDALE	HERRIN	COAL	8.0	437.0	

MAPID: 02701483000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 14 QUARTERS/FOOTAGES: SW SW SE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.280576 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.699118 DATE COLLECTED: 8 / 0 / 1949
 SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 409.0 LOG TYPE: Electric Log
 SOURCE: GRIFFITH WILBUR L WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	7.0	358.0	
70.0	MODESTO		UNCLASSIFIED	7.0	365.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
63.0	CARBONDALE		UNCLASSIFIED	15.0	372.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
48.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	387.0	
41.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	394.0	
37.5	CARBONDALE		UNCLASSIFIED	3.5	397.5	SHALE ABOVE BRERETON LIMESTONE
34.0	CARBONDALE	ANNA	BLACK SHALE	2.0	401.0	
32.0	CARBONDALE	HERRIN	COAL	6.0	403.0	

MAPID: 02701483000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 14 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280576 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.699118 DATE COLLECTED:

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 409.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
75.0	MODESTO	PIASA	LIMESTONE	6.0	360.0	
69.0	MODESTO		SHALE	16.0	366.0	
53.0	CARBONDALE	DANVILLE	COAL	2.0	382.0	
51.0	CARBONDALE		SHALE	3.0	384.0	
48.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	387.0	
42.0	CARBONDALE	LAWSON	SHALE	10.0	393.0	
32.0	CARBONDALE	HERRIN	COAL	6.0	403.0	

MAPID: 02701483000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 14 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280576 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.699118 DATE COLLECTED:

SURFACE ELEVATION (FT.): 435.0 LOGGED (FT.): 1082.0 LOG TYPE: Electric Log

SOURCE: GRIFFITH WILBUR L WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
9.0	CARBONDALE	SPRINGFIELD	COAL	-	426.0	
-121.0	CARBONDALE	COLCHESTER	COAL	-	556.0	
-647.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1082.0	

MAPID: 02701484000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.317955 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.699034 DATE COLLECTED: 10 / 0 / 1951

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 860.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	415.0	
40.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	-	440.0	
-10.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	490.0	
-37.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	517.0	
-95.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	575.0	
-380.0	BASE OF PENN.		UNCLASSIFIED	-	860.0	

MAPID: 02701484000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.317955 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.699034 DATE COLLECTED: 10 / 0 / 1951

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 420.5 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.0	MODESTO	PIASA	LIMESTONE	5.0	369.0	
106.0	MODESTO		UNCLASSIFIED	5.0	374.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
101.0	CARBONDALE		UNCLASSIFIED	16.0	379.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
85.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	395.0	
80.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	400.0	
75.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	405.0	
73.0	CARBONDALE		UNCLASSIFIED	4.5	407.0	SHALE ABOVE BRERETON LIMESTONE
68.5	CARBONDALE	BRERETON	LIMESTONE	2.5	411.5	
66.0	CARBONDALE	ANNA	BLACK SHALE	2.0	414.0	
64.0	CARBONDALE	HERRIN	COAL	4.5	416.0	

MAPID: 02703297000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 16 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.322759 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.708118 DATE COLLECTED: 11 / 0 / 1966

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 414.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.5	MODESTO	PIASA	LIMESTONE	4.0	363.5	
101.5	MODESTO		UNCLASSIFIED	5.0	367.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
96.5	CARBONDALE		UNCLASSIFIED	15.0	372.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
81.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	387.5	
74.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	394.5	
69.5	CARBONDALE	CONANT	UNCLASSIFIED	1.5	399.5	
68.0	CARBONDALE		UNCLASSIFIED	3.0	401.0	SHALE ABOVE BRERETON LIMESTONE
65.0	CARBONDALE	BRERETON	LIMESTONE	3.0	404.0	
62.0	CARBONDALE	ANNA	BLACK SHALE	2.0	407.0	
60.0	CARBONDALE	HERRIN	COAL	5.0	409.0	

MAPID: 02703297000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 16 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.322759 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.708118 DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 412.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	MODESTO	PIASA	LIMESTONE	4.0	365.0	
100.0	MODESTO		SHALE	14.0	369.0	
86.0	CARBONDALE	DANVILLE	COAL	2.0	383.0	
84.0	CARBONDALE		SHALE	3.0	385.0	
81.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	388.0	
76.0	CARBONDALE	LAWSON	SHALE	12.0	393.0	
64.0	CARBONDALE	HERRIN	COAL	7.0	405.0	

MAPID: 02703297000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 16 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.322759 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.708118 DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 1010.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	SPRINGFIELD	COAL	-	430.0	
-91.0	CARBONDALE	COLCHESTER	COAL	-	560.0	
-541.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1010.0	

MAPID: 02700180000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 200' N line, 200' E line of NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.338584 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.704685 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 478.9 LOGGED (FT.): 1126.0 LOG TYPE:

SOURCE: OHIO OIL, MITCHELL 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
423.9	BOND	CARTHAGE	LIMESTONE	-	55.0	
76.9	CARBONDALE	HERRIN	COAL	-	402.0	CORRELATION UNCERTAIN

MAPID: 02700180000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 200' N line, 200' E line of NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.338584 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.704685 DATE COLLECTED: 11 / 0 / 1911

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 1126.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO. WELL TYPE: Oil and Gas Test

COMMENT: QUESTIONABLE LOCATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
479.0			UNCONSOLIDATED	55.0	0.0	
424.0			ROCK	313.0	55.0	
111.0			SHALE	10.0	368.0	"RED ROCK"
101.0			SHALE	10.0	378.0	"LIME SHALE"
91.0			BLACK SHALE	5.0	388.0	"BLACK MUD"
86.0			SHALE	4.0	393.0	"LIME SHALE"
82.0			BLACK SHALE	5.0	397.0	"BLACK MUD"
77.0	CARBONDALE	HERRIN	COAL	7.0	402.0	
70.0			ROCK	717.0	409.0	

MAPID: 02700180000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 200' N line, 200' E line of NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.338584 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.704685 DATE COLLECTED: 11 / 0 / 1911

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 409.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
125.0	MODESTO	PIASA	LIMESTONE	7.0	354.0	
118.0	MODESTO		UNCLASSIFIED	3.5	361.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.5	CARBONDALE		UNCLASSIFIED	13.5	364.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	378.0	
91.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	388.0	
88.5	CARBONDALE		UNCLASSIFIED	2.5	390.5	SHALE ABOVE BRERETON LIMESTONE
86.0	CARBONDALE	BRERETON	LIMESTONE	4.0	393.0	
82.0	CARBONDALE	ANNA	BLACK SHALE	5.0	397.0	
77.0	CARBONDALE	HERRIN	COAL	7.0	402.0	

MAPID: 02701485000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.331983 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.700747 DATE COLLECTED: 12 / 0 / 1949

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 424.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.0	MODESTO	PIASA	LIMESTONE	6.0	369.0	
93.0	MODESTO		UNCLASSIFIED	6.5	375.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
86.5	CARBONDALE	DANVILLE	COAL	1.5	381.5	
85.0	CARBONDALE		UNCLASSIFIED	13.0	383.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
72.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	396.0	
65.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	403.0	
60.0	CARBONDALE		UNCLASSIFIED	5.0	408.0	SHALE ABOVE BRERETON LIMESTONE
55.0	CARBONDALE	BRERETON	LIMESTONE	4.0	413.0	
51.0	CARBONDALE	ANNA	BLACK SHALE	2.0	417.0	
49.0	CARBONDALE	HERRIN	COAL	5.0	419.0	

MAPID: 02701539000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.339129 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.709804 DATE COLLECTED: 1 / 0 / 1957

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	4.0	414.0	

MAPID: 02701752000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.339101 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.707979 DATE COLLECTED: 6 / 0 / 1949

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 424.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.5	MODESTO	PIASA	LIMESTONE	3.5	374.5	
105.0	MODESTO		UNCLASSIFIED	4.5	378.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.5	CARBONDALE	DANVILLE	COAL	1.5	382.5	
99.0	CARBONDALE		UNCLASSIFIED	15.0	384.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
84.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	399.0	
77.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	406.0	
73.0	CARBONDALE		UNCLASSIFIED	4.0	410.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	2.0	414.0	
67.0	CARBONDALE	ANNA	BLACK SHALE	2.0	416.0	
65.0	CARBONDALE	HERRIN	COAL	6.0	418.0	

MAPID: 02701752000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.339101

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.707979

DATE COLLECTED:

SURFACE ELEVATION (FT.): 483.0

LOGGED (FT.): 424.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	5.0	375.0	
103.0	MODESTO		SHALE	16.0	380.0	
87.0	CARBONDALE	DANVILLE	COAL	2.0	396.0	
85.0	CARBONDALE		SHALE	4.0	398.0	
81.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	402.0	
76.0	CARBONDALE	LAWSON	SHALE	11.0	407.0	
65.0	CARBONDALE	HERRIN	COAL	6.0	418.0	

MAPID: 02701878000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.334378

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.704375

DATE COLLECTED: 8 / 0 / 1961

SURFACE ELEVATION (FT.): 475.0

LOGGED (FT.): 418.0

LOG TYPE: Electric Log

SOURCE: BASSETT, CLYDE

WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.5	MODESTO	PIASA	LIMESTONE	6.5	366.5	
102.0	MODESTO		UNCLASSIFIED	6.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
96.0	CARBONDALE	DANVILLE	COAL	2.0	379.0	
94.0	CARBONDALE		UNCLASSIFIED	13.0	381.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
81.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	394.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	400.0	
71.0	CARBONDALE		UNCLASSIFIED	4.0	404.0	SHALE ABOVE BRERETON LIMESTONE
67.0	CARBONDALE	BRERETON	LIMESTONE	3.0	408.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	2.0	411.0	
62.0	CARBONDALE	HERRIN	COAL	5.0	413.0	

MAPID: 02702919000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.341313 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.70063 DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 417.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	CARBONDALE	HERRIN	COAL	7.0	410.0	

MAPID: 02702922000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.343763 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.707933 DATE COLLECTED: 1 / 0 / 1951

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: BAINES, DON DRLG. CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.0	MODESTO	PIASA	LIMESTONE	4.0	352.0	
117.0	MODESTO		UNCLASSIFIED	7.0	356.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.0	CARBONDALE	DANVILLE	COAL	2.0	363.0	
108.0	CARBONDALE		UNCLASSIFIED	13.0	365.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	378.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	387.0	
83.0	CARBONDALE		UNCLASSIFIED	3.0	390.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	2.0	393.0	
78.0	CARBONDALE	ANNA	BLACK SHALE	2.0	395.0	
76.0	CARBONDALE	HERRIN	COAL	7.0	397.0	

MAPID: 02702926000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.334309 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.70072 DATE COLLECTED: 11 / 0 / 1949

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 407.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO	PIASA	LIMESTONE	3.0	365.0	
100.0	MODESTO		UNCLASSIFIED	6.0	368.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
94.0	CARBONDALE		UNCLASSIFIED	12.0	374.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
82.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	386.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	393.0	
72.0	CARBONDALE		UNCLASSIFIED	3.0	396.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	1.0	399.0	
68.0	CARBONDALE	ANNA	BLACK SHALE	3.0	400.0	
65.0	CARBONDALE	HERRIN	COAL	4.0	403.0	

MAPID: 02702929000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.33446 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.709853 DATE COLLECTED: 5 / 0 / 1949

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 415.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
62.0	CARBONDALE	HERRIN	COAL	4.0	411.0	

MAPID: 02703176000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.336803 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.709829 DATE COLLECTED: 9 / 0 / 1964

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 407.0 LOG TYPE: Electric Log

SOURCE: KEYSTONE OIL CO WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.5	MODESTO	PIASA	LIMESTONE	4.5	359.5	
109.0	MODESTO		UNCLASSIFIED	6.0	364.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
103.0	CARBONDALE		UNCLASSIFIED	13.0	370.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	383.0	
83.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	390.0	
80.0	CARBONDALE		UNCLASSIFIED	3.0	393.0	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	4.0	396.0	
73.0	CARBONDALE	ANNA	BLACK SHALE	2.0	400.0	
71.0	CARBONDALE	HERRIN	COAL	5.0	402.0	

MAPID: 02725320000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 17 QUARTERS/FOOTAGES: 75' S line, 1345' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.333177 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.698195 DATE COLLECTED: 11 / 11 / 1981

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 458.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-17-20C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
409.0	BOND	CARTHAGE	LIMESTONE	8.5	63.0	
400.5	MODESTO		UNCLASSIFIED	2.5	71.5	
398.0	MODESTO	NEW HAVEN	SHALE	4.0	74.0	
394.0	MODESTO		UNCLASSIFIED	66.0	78.0	
328.0	MODESTO	CHAPEL	COAL	2.0	144.0	
326.0	MODESTO		UNCLASSIFIED	120.0	146.0	
206.0	MODESTO	LAKE CREEK	COAL	2.0	266.0	UNCERTAIN CORRELATION
204.0	MODESTO		UNCLASSIFIED	115.0	268.0	
89.0	MODESTO		LIMESTONE	2.0	383.0	UNSURE OF LITHOLOGY
87.0	MODESTO		UNCLASSIFIED	18.0	385.0	
69.0	CARBONDALE	DANVILLE	COAL	2.0	403.0	
67.0	CARBONDALE		UNCLASSIFIED	3.0	405.0	
64.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	408.0	
57.0	CARBONDALE		UNCLASSIFIED	9.0	415.0	
48.0	CARBONDALE	BRERETON	LIMESTONE	2.0	424.0	
46.0	CARBONDALE		UNCLASSIFIED	2.0	426.0	
44.0	CARBONDALE	HERRIN	COAL	7.0	428.0	
37.0	CARBONDALE		UNCLASSIFIED	15.0	435.0	
22.0	CARBONDALE	SPRINGFIELD	COAL	4.0	450.0	
18.0	CARBONDALE		UNCLASSIFIED	4.0	454.0	

MAPID: 02700009000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: 1100' N line, 200' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.371215 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.709035 DATE COLLECTED: 0 / 0 / 1907

SURFACE ELEVATION (FT.): 467.2 LOGGED (FT.): 1149.0 LOG TYPE:

SOURCE: FLAT BRNCH, ROGAN 2 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
412.2	BOND	CARTHAGE	LIMESTONE	-	55.0	
71.2	CARBONDALE	HERRIN	COAL	-	396.0	CORRELATION UNCERTAIN

MAPID: 02700009000C **VERSION:** 2 **PROJECT:** BLM
COUNTY: CLINTON **TWP/RNG:** 3N 2W **SECTION:** 18 **QUARTERS/FOOTAGES:** 1100' N line, 200' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.371215 **GEOLOGIST:** TREWORGY,J
CONFIDENTIAL: N **LATITUDE:** 38.709035 **DATE COLLECTED:** 0 / 0 / 1907
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 1149.0 **LOG TYPE:** Drillers Log
SOURCE: FLAT BRANCH OIL & GAS CO. **WELL TYPE:** Oil and Gas Test
COMMENT: QUESTIONABLE LOCATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
461.0			UNCONSOLIDATED	35.0	0.0
426.0			ROCK	331.0	35.0
95.0			LIMESTONE	7.0	366.0
88.0			SHALE	4.0	373.0
84.0			LIMESTONE	15.0	377.0
69.0			SHALE	4.0	392.0
65.0	CARBONDALE	HERRIN	COAL	6.0	396.0
59.0			ROCK	747.0	402.0

MAPID: 02700009000C **VERSION:** 3 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 2W **SECTION:** 18 **QUARTERS/FOOTAGES:** 1100' N line, 200' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.371215 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.709035 **DATE COLLECTED:** 0 / 0 / 1907
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 402.0 **LOG TYPE:** Drillers Log
SOURCE: FLAT BRANCH OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
71.0	CARBONDALE	HERRIN	COAL	6.0	396.0

MAPID: 02700010000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 2W **SECTION:** 18 **QUARTERS/FOOTAGES:** 600' N line, 660' W line
QUADRANGLE: KEYESPORT **LONGITUDE:** -89.369585 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.710442 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 399.0 **LOG TYPE:** Drillers Log
SOURCE: FLAT BRANCH OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
68.0	CARBONDALE	HERRIN	COAL	7.0	392.0

MAPID: 02700175000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: 660' N line, 1500' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.366625 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.710328 DATE COLLECTED: 10 / 0 / 1917
 SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 407.0 LOG TYPE: Drillers Log
 SOURCE: FLAT BRANCH OIL WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	CARBONDALE	HERRIN	COAL	5.0	402.0	

MAPID: 02700609000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: NE NW NW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.367297 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.711228 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 407.0 LOG TYPE: Drillers Log
 SOURCE: HAWLEY & WILLIS WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
114.0	MODESTO	PIASA	LIMESTONE	5.0	351.0	
109.0	MODESTO		UNCLASSIFIED	6.0	356.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
103.0	CARBONDALE		UNCLASSIFIED	12.0	362.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	374.0	
83.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	382.0	
78.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	387.0	
75.0	CARBONDALE		UNCLASSIFIED	5.0	390.0	SHALE ABOVE BRERETON LIMESTONE
70.0	CARBONDALE	BRERETON	LIMESTONE	5.0	395.0	
65.0	CARBONDALE	ANNA	BLACK SHALE	2.0	400.0	
63.0	CARBONDALE	HERRIN	COAL	5.0	402.0	

MAPID: 02700609000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: NE NW NW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.367297 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.711228 DATE COLLECTED: 0 / 0 / 1900
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 1454.0 LOG TYPE:
 SOURCE: HAWLEY&WLS, HUGHES 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	-	402.0	CORRELATION UNCERTAIN

MAPID: 02700610000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.348836 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.709701 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 419.0 LOG TYPE: Drillers Log

SOURCE: HAWLEY & WILLIS WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	HERRIN	COAL	7.0	412.0	

MAPID: 02700610000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.348836 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.709701 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 1188.0 LOG TYPE:

SOURCE: HAWLEY&WLS, MEUX WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
440.0	BOND	CARTHAGE	LIMESTONE	-	40.0	
71.0	CARBONDALE	HERRIN	COAL	-	409.0	CORRELATION UNCERTAIN

MAPID: 02701486000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.361127 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.704046 DATE COLLECTED: 5 / 0 / 1950

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 443.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.0	MODESTO	PIASA	LIMESTONE	6.0	392.0	
78.0	MODESTO		UNCLASSIFIED	5.0	398.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
73.0	CARBONDALE		UNCLASSIFIED	11.0	403.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
62.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	414.0	
54.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	422.0	
50.0	CARBONDALE		UNCLASSIFIED	4.0	426.0	SHALE ABOVE BRERETON LIMESTONE
46.0	CARBONDALE	BRERETON	LIMESTONE	5.0	430.0	
41.0	CARBONDALE	ANNA	BLACK SHALE	2.0	435.0	
39.0	CARBONDALE	HERRIN	COAL	6.0	437.0	

MAPID: 02701486000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.361127 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.704046 DATE COLLECTED:

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 442.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
85.0	MODESTO	PIASA	LIMESTONE	7.0	391.0
78.0	MODESTO		SHALE	11.0	398.0
67.0	CARBONDALE	DANVILLE	COAL	2.0	409.0
65.0	CARBONDALE		SHALE	4.0	411.0
61.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	415.0
55.0	CARBONDALE	LAWSON	SHALE	9.0	421.0
46.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	430.0
41.0	CARBONDALE	ANNA	SHALE	1.0	435.0
40.0	CARBONDALE	HERRIN	COAL	6.0	436.0

MAPID: 02702936000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: 1650' N line, 990' W line of NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.368466 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.703933 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 978.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-1.0	CARBONDALE	SPRINGFIELD	COAL	-	462.0
-85.0	CARBONDALE	COLCHESTER	COAL	-	546.0
-517.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	978.0

MAPID: 02702936000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: 1650' N line, 990' W line of NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.368466 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.703933 DATE COLLECTED: 6 / 0 / 1952

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
107.0	MODESTO	PIASA	LIMESTONE	3.0	354.0	
104.0	MODESTO		UNCLASSIFIED	3.5	357.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.5	CARBONDALE	DANVILLE	COAL	1.5	360.5	
99.0	CARBONDALE		UNCLASSIFIED	10.0	362.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
89.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	372.0	
81.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	380.0	
77.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	384.0	
74.0	CARBONDALE		UNCLASSIFIED	5.0	387.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	5.0	392.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	1.0	397.0	
63.0	CARBONDALE	HERRIN	COAL	6.0	398.0	

MAPID: 02725131000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 18 QUARTERS/FOOTAGES: 2142' N line, 1107' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.351144 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.706499 DATE COLLECTED: 11 / 4 / 1980

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 472.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 80-18-22C WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.0			UNCONSOLIDATED	20.0	0.0	
452.0	BOND		UNCLASSIFIED	18.0	20.0	
434.0	BOND		LIMESTONE	1.0	38.0	
433.0	BOND		UNCLASSIFIED	12.0	39.0	
421.0	BOND	CARTHAGE	LIMESTONE	8.5	51.0	
412.5	MODESTO	NEW HAVEN	BLACK SHALE	3.0	59.5	
409.5	MODESTO		UNCLASSIFIED	70.5	62.5	
339.0	MODESTO	CHAPEL	BLACK SHALE	3.0	133.0	
336.0	MODESTO		UNCLASSIFIED	111.5	136.0	
224.5	MODESTO	LAKE CREEK	COAL	1.5	247.5	UNCERTAIN CORRELATION
223.0	MODESTO		UNCLASSIFIED	108.0	249.0	
115.0	MODESTO		BLACK SHALE	1.5	357.0	
113.5	MODESTO		UNCLASSIFIED	7.5	358.5	
106.0	MODESTO	PIASA	LIMESTONE	7.0	366.0	
99.0	MODESTO		UNCLASSIFIED	10.5	373.0	
88.5	CARBONDALE	DANVILLE	COAL	0.0	383.5	
88.5	CARBONDALE		UNCLASSIFIED	5.5	383.5	
83.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.5	389.0	
75.5	CARBONDALE		UNCLASSIFIED	4.5	396.5	
71.0	CARBONDALE	BRERETON	LIMESTONE	11.5	401.0	
59.5	CARBONDALE	ANNA	BLACK SHALE	1.5	412.5	
58.0	CARBONDALE	HERRIN	COAL	7.0	414.0	
51.0	CARBONDALE		UNCLASSIFIED	19.0	421.0	
32.0	CARBONDALE	TURNER MINE	BLACK SHALE	2.0	440.0	
30.0	CARBONDALE	SPRINGFIELD	COAL	0.0	442.0	COAL NOT PRESENT
30.0	CARBONDALE		UNCLASSIFIED	30.0	442.0	

MAPID: 02700611000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 19 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.364199

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.691234

DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 1188.0

LOG TYPE:

SOURCE: WHITE ETAL, WILTON 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
415.0	BOND	CARTHAGE	LIMESTONE	-	53.0	
69.0	CARBONDALE	HERRIN	COAL	-	399.0	CORRELATION UNCERTAIN

MAPID: 02701962000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 780' W line of SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.369275

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.689346

DATE COLLECTED: 12 / 0 / 1962

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 448.0

LOG TYPE: Electric Log

SOURCE: CONREY, T. M.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	4.0	398.0	
73.0	MODESTO		UNCLASSIFIED	5.0	402.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
68.0	CARBONDALE		UNCLASSIFIED	12.0	407.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
56.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	419.0	
47.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	428.0	
42.5	CARBONDALE		UNCLASSIFIED	4.5	432.5	SHALE ABOVE BRERETON LIMESTONE
38.0	CARBONDALE	BRERETON	LIMESTONE	2.0	437.0	
36.0	CARBONDALE	ANNA	BLACK SHALE	2.0	439.0	
34.0	CARBONDALE	HERRIN	COAL	7.0	441.0	

MAPID: 02701969000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 2310' E line of SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.367598 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.683856 DATE COLLECTED: 1 / 0 / 1963

SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 463.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE		UNCLASSIFIED	5.0	431.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
48.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	436.0	
40.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	444.0	
36.0	CARBONDALE		UNCLASSIFIED	4.0	448.0	SHALE ABOVE BRERETON LIMESTONE
32.0	CARBONDALE	BRERETON	LIMESTONE	3.0	452.0	
29.0	CARBONDALE	ANNA	BLACK SHALE	2.0	455.0	
27.0	CARBONDALE	HERRIN	COAL	6.0	457.0	

MAPID: 02703835000C VERSION: 1

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 19 QUARTERS/FOOTAGES: 500' S line, 100' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.371683 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.684266 DATE COLLECTED: 0 / 0 / 1964

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 100.0 LOG TYPE: Drillers Log

SOURCE: L. F. WOODWARD WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
477.0			UNCONSOLIDATED	65.0	0.0	
412.0			LIMESTONE	10.0	65.0	
402.0			COAL	2.0	75.0	
400.0			ROCK	23.0	77.0	

MAPID: 02725322000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 19 QUARTERS/FOOTAGES: 100' N line, 2655' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.35644 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.697437 DATE COLLECTED: 9 / 24 / 1981

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 450.5 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-19-7C WELL TYPE: Coal Test

COMMENT: DENSITY AND RESIST. LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
398.0	BOND	CARTHAGE	LIMESTONE	9.0	73.0	
389.0	MODESTO	NEW HAVEN	SHALE	8.0	82.0	
381.0	MODESTO		UNCLASSIFIED	109.0	90.0	
272.0	MODESTO		COAL	2.0	199.0	
270.0	MODESTO		UNCLASSIFIED	61.0	201.0	
209.0	MODESTO	LAKE CREEK	COAL	2.0	262.0	UNCERTAIN CORRELATION
207.0	MODESTO		UNCLASSIFIED	113.0	264.0	
94.0	MODESTO	PIASA	LIMESTONE	7.0	377.0	
87.0	MODESTO		UNCLASSIFIED	15.0	384.0	
72.0	CARBONDALE	DANVILLE	COAL	2.0	399.0	
70.0	CARBONDALE		UNCLASSIFIED	3.0	401.0	
67.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.5	404.0	
58.5	CARBONDALE		UNCLASSIFIED	6.0	412.5	
52.5	CARBONDALE	BRERETON	LIMESTONE	3.5	418.5	
49.0	CARBONDALE		UNCLASSIFIED	3.0	422.0	ANNA SH. INTERVAL
46.0	CARBONDALE	HERRIN	COAL	7.0	425.0	
39.0	CARBONDALE		UNCLASSIFIED	18.5	432.0	

MAPID: 02725323000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 19 QUARTERS/FOOTAGES: 1030' S line, 2323' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.355097 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.68597 DATE COLLECTED: 11 / 4 / 1981

SURFACE ELEVATION (FT.): 505.0 LOGGED (FT.): 520.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-19-19C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
401.0	BOND	CARTHAGE	LIMESTONE	10.0	104.0	
391.0	MODESTO	NEW HAVEN	SHALE	6.5	114.0	
384.5	MODESTO		UNCLASSIFIED	66.5	120.5	
318.0	MODESTO	CHAPEL	COAL	3.0	187.0	
315.0	MODESTO		UNCLASSIFIED	118.0	190.0	
197.0	MODESTO	LAKE CREEK	COAL	2.0	308.0	
195.0	MODESTO		UNCLASSIFIED	138.0	310.0	PIASA LS ABSENT
57.0	CARBONDALE	DANVILLE	COAL	3.0	448.0	
54.0	CARBONDALE		UNCLASSIFIED	15.0	451.0	
39.0	CARBONDALE	BRERETON	LIMESTONE	2.0	466.0	
37.0	CARBONDALE		SHALE	2.0	468.0	ANNA SH. INTERVAL
35.0	CARBONDALE	HERRIN	COAL	8.0	470.0	
27.0	CARBONDALE		UNCLASSIFIED	42.0	478.0	

MAPID: 02700011000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 20 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.331826 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.691595 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 415.5 LOG TYPE: Drillers Log

SOURCE: SURPASS OIL & GAS WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
61.0	CARBONDALE	HERRIN	COAL	5.5	410.0	

MAPID: 02700011000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 20 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.331826

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.691595

DATE COLLECTED: 0 / 0 / 1912

SURFACE ELEVATION (FT.): 470.5

LOGGED (FT.): 1085.0

LOG TYPE:

SOURCE: SURPASS OG, SEIFFERT 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
415.5	BOND	CARTHAGE	LIMESTONE	-	55.0	
60.5	CARBONDALE	HERRIN	COAL	-	410.0	CORRELATION UNCERTAIN

MAPID: 02701488000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 20 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.343451

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.689646

DATE COLLECTED: 12 / 0 / 1949

SURFACE ELEVATION (FT.): 488.0

LOGGED (FT.): 434.0

LOG TYPE: Electric Log

SOURCE: REASOR G L

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.1	MODESTO	PIASA	LIMESTONE	5.0	383.9	
99.1	MODESTO		UNCLASSIFIED	7.0	388.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
92.1	CARBONDALE		UNCLASSIFIED	14.0	395.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
78.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	409.9	
70.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.8	417.9	
65.3	CARBONDALE		UNCLASSIFIED	4.8	422.7	SHALE ABOVE BRERETON LIMESTONE
60.5	CARBONDALE	BRERETON	LIMESTONE	1.0	427.5	
59.5	CARBONDALE	ANNA	BLACK SHALE	1.5	428.5	
58.0	CARBONDALE	HERRIN	COAL	4.0	430.0	

MAPID: 02701488000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 20 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.343451 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.689646 DATE COLLECTED:

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 436.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
106.0	MODESTO	PIASA	LIMESTONE	6.0	382.0
100.0	MODESTO		SHALE	16.0	388.0
84.0	CARBONDALE		SHALE	6.0	404.0
78.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	410.0
70.0	CARBONDALE	LAWSON	SHALE	12.0	418.0
58.0	CARBONDALE	HERRIN	COAL	6.0	430.0

MAPID: 02701488000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 20 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.343451 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.689646 DATE COLLECTED: 12 / 0 / 1949

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 830.0 LOG TYPE: Electric Log

SOURCE: REASOR G L WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
59.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	429.0
32.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.0	456.0
-8.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	496.0
-40.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	528.0
-84.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	572.0
-342.0	BASE OF PENN.		UNCLASSIFIED	-	830.0

MAPID: 02701488000C VERSION: 4

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 20 QUARTERS/FOOTAGES: NE NW SW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.343451 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.689646 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 2568.0 LOG TYPE: Electric Log
 SOURCE: REASOR G L WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
32.0	CARBONDALE	SPRINGFIELD	COAL	-	456.0	
-82.0	CARBONDALE	COLCHESTER	COAL	-	570.0	
-553.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1041.0	
-2024.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2512.0	TOP OF NEW ALBANY
-2046.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2534.0	
-2080.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2568.0	BASE OF NEW ALBANY

MAPID: 02725324000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 20 QUARTERS/FOOTAGES: 1290' N line, 75' E line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.328641 GEOLOGIST: R. SMITH
 CONFIDENTIAL: N LATITUDE: 38.694486 DATE COLLECTED: 9 / 19 / 1981
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 458.0 LOG TYPE: Multiple log types
 SOURCE: MOBIL OIL CORP. WI-81-20-6 WELL TYPE: Coal Test
 COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
410.0	BOND	CARTHAGE	LIMESTONE	10.0	60.0	
400.0	MODESTO	NEW HAVEN	BLACK SHALE	6.0	70.0	
394.0	MODESTO		UNCLASSIFIED	66.0	76.0	
328.0	MODESTO	CHAPEL	COAL	2.0	142.0	
326.0	MODESTO		UNCLASSIFIED	120.0	144.0	
206.0	MODESTO	LAKE CREEK	COAL	2.0	264.0	
204.0	MODESTO		UNCLASSIFIED	118.0	266.0	
86.0	MODESTO	PIASA	LIMESTONE	5.0	384.0	
81.0	CARBONDALE		UNCLASSIFIED	19.0	389.0	#7 ABSENT
62.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	408.0	
54.0	CARBONDALE		UNCLASSIFIED	7.0	416.0	
47.0	CARBONDALE	BRERETON	LIMESTONE	1.5	423.0	
45.5	CARBONDALE		SHALE	2.5	424.5	ANNA SH. INTERVAL
43.0	CARBONDALE	HERRIN	COAL	7.0	427.0	
36.0	CARBONDALE		UNCLASSIFIED	16.0	434.0	
20.0	CARBONDALE	SPRINGFIELD	COAL	4.0	450.0	UNCERTAIN CORRELATION
16.0	CARBONDALE		UNCLASSIFIED	4.0	454.0	

MAPID: 02700828000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.310864 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.693583 DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 1426.0 LOG TYPE:

SOURCE: CMPBLL&UND, BAUM SARAH WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
390.0	BOND	CARTHAGE	LIMESTONE	-	95.0
53.0	CARBONDALE	HERRIN	COAL	-	432.0

MAPID: 02700828000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.310864 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.693583 DATE COLLECTED:

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 442.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
97.0	MODESTO	PIASA	LIMESTONE	9.0	391.0
88.0	MODESTO		SHALE	14.0	400.0
74.0	CARBONDALE	DANVILLE	COAL	2.0	414.0
72.0	CARBONDALE		SHALE	4.0	416.0
68.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	420.0
62.0	CARBONDALE	LAWSON	SHALE	11.0	426.0
51.0	CARBONDALE	HERRIN	COAL	5.0	437.0

MAPID: 02700828000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.310864 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.693583 DATE COLLECTED: 4 / 0 / 1941

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 442.5 LOG TYPE: Electric Log

SOURCE: CAMPBELL, ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.5	MODESTO	PIASA	LIMESTONE	9.5	392.5	
86.0	MODESTO		UNCLASSIFIED	5.0	402.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
81.0	CARBONDALE		UNCLASSIFIED	12.0	407.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
69.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	419.0	
61.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	427.0	
57.5	CARBONDALE		UNCLASSIFIED	3.5	430.5	SHALE ABOVE BRERETON LIMESTONE
54.0	CARBONDALE	ANNA	BLACK SHALE	2.0	434.0	
52.0	CARBONDALE	HERRIN	COAL	6.5	436.0	

MAPID: 02701487000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: 990' N line, 330' W line of SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.317779 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.688054 DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 417.0 LOG TYPE: Electric Log

SOURCE: WINN C R WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
89.0	MODESTO	PIASA	LIMESTONE	6.0	369.0	
83.0	MODESTO		UNCLASSIFIED	6.0	375.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.0	CARBONDALE		UNCLASSIFIED	12.0	381.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	393.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	401.0	
53.0	CARBONDALE		UNCLASSIFIED	3.5	405.0	SHALE ABOVE BRERETON LIMESTONE
49.5	CARBONDALE	BRERETON	LIMESTONE	1.5	408.5	
48.0	CARBONDALE	ANNA	BLACK SHALE	1.0	410.0	
47.0	CARBONDALE	HERRIN	COAL	6.0	411.0	

MAPID: 02702937000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.322535 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.693511 DATE COLLECTED: 7 / 0 / 1951

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	MODESTO	PIASA	LIMESTONE	4.0	362.0	
91.0	MODESTO		UNCLASSIFIED	6.0	366.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
85.0	CARBONDALE		UNCLASSIFIED	11.0	372.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
74.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	383.0	
68.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	389.0	
65.5	CARBONDALE		UNCLASSIFIED	2.5	391.5	SHALE ABOVE BRERETON LIMESTONE
63.0	CARBONDALE	BRERETON	LIMESTONE	2.0	394.0	
61.0	CARBONDALE	ANNA	BLACK SHALE	3.0	396.0	
58.0	CARBONDALE	HERRIN	COAL	5.0	399.0	

MAPID: 02702938000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: 370' N line, 330' E line of SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.324734 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.686049 DATE COLLECTED: 4 / 0 / 1954

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 560.0 LOG TYPE: Electric Log

SOURCE: SUPERIOR OIL COMPANY WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	377.0	
50.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	400.0	
25.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	5.0	425.0	
-74.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	524.0	
-110.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	560.0	

MAPID: 02702938000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: 370' N line, 330' E line of SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.324734 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.686049 DATE COLLECTED: 4 / 0 / 1954

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log

SOURCE: SUPERIOR OIL COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.5	MODESTO	PIASA	LIMESTONE	3.0	359.5	
87.5	MODESTO		UNCLASSIFIED	7.0	362.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
80.5	CARBONDALE		UNCLASSIFIED	11.5	369.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
69.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	381.0	
62.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	388.0	
58.5	CARBONDALE		UNCLASSIFIED	3.5	391.5	SHALE ABOVE BRERETON LIMESTONE
55.0	CARBONDALE	BRERETON	LIMESTONE	1.0	395.0	
54.0	CARBONDALE	ANNA	BLACK SHALE	2.0	396.0	
52.0	CARBONDALE	HERRIN	COAL	6.0	398.0	

MAPID: 02702938000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 21 QUARTERS/FOOTAGES: 370' N line, 330' E line of SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.324734 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.686049 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 2553.0 LOG TYPE: Electric Log

SOURCE: SUPERIOR OIL CO., THE WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	SPRINGFIELD	COAL	-	425.0	
-111.0	CARBONDALE	COLCHESTER	COAL	-	561.0	
-550.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1000.0	
-2044.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2494.0	TOP OF NEW ALBANY
-2066.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2516.0	
-2103.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2553.0	BASE OF NEW ALBANY

MAPID: 02700602000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 22 QUARTERS/FOOTAGES: NE NE SW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.30149 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.689926 DATE COLLECTED: 6 / 0 / 1942
 SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 425.0 LOG TYPE: Electric Log
 SOURCE: HOUCK, ETAL WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	MODESTO		UNCLASSIFIED	5.0	380.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.0	CARBONDALE	DANVILLE	COAL	2.0	385.0	
88.0	CARBONDALE		UNCLASSIFIED	16.0	387.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
72.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	403.0	
65.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	410.0	
62.0	CARBONDALE		UNCLASSIFIED	3.0	413.0	SHALE ABOVE BRERETON LIMESTONE
59.0	CARBONDALE	ANNA	BLACK SHALE	2.0	416.0	
57.0	CARBONDALE	HERRIN	COAL	7.0	418.0	

MAPID: 02700602000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 22 QUARTERS/FOOTAGES: NE NE SW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.30149 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.689926 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 1454.0 LOG TYPE:
 SOURCE: HOUCK ETL, RIDDLE 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
403.0	BOND	CARTHAGE	LIMESTONE	-	72.0	
58.0	CARBONDALE	HERRIN	COAL	-	417.0	

MAPID: 02700827000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 24 QUARTERS/FOOTAGES: 200' S line, 200' E line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.254206 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.684096 DATE COLLECTED: 8 / 0 / 1940
 SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 415.0 LOG TYPE: Electric Log
 SOURCE: LIVESAY & KERWIN WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	CARBONDALE	HERRIN	COAL	6.0	409.0	

MAPID: 02701163000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 24 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.264107 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.693594 DATE COLLECTED: 12 / 0 / 1955

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: STRICKLAND, FRANK L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
50.0	MODESTO	PIASA	LIMESTONE	4.0	380.0	
46.0	MODESTO		UNCLASSIFIED	6.0	384.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
40.0	CARBONDALE		UNCLASSIFIED	15.0	390.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
25.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	405.0	
19.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	411.0	
14.5	CARBONDALE		UNCLASSIFIED	4.5	415.5	SHALE ABOVE BRERETON LIMESTONE
10.0	CARBONDALE	BRERETON	LIMESTONE	5.0	420.0	
5.0	CARBONDALE	ANNA	BLACK SHALE	1.0	425.0	
4.0	CARBONDALE	HERRIN	COAL	4.0	426.0	

MAPID: 02701163000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 24 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.264107 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.693594 DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 429.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	MODESTO	PIASA	CALCAREOUS SHALE	4.0	379.0	
47.0	MODESTO		SHALE	15.0	383.0	
32.0	CARBONDALE	DANVILLE	COAL	3.0	398.0	
29.0	CARBONDALE		SHALE	6.0	401.0	
23.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	407.0	
20.0	CARBONDALE	LAWSON	SHALE	10.0	410.0	
10.0	CARBONDALE	HERRIN	COAL	9.0	420.0	

MAPID: 02701489000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.254769 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.695411 DATE COLLECTED:

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 2713.0 LOG TYPE: Electric Log

SOURCE: MENHALL, JAMES W. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-14.0	CARBONDALE	SPRINGFIELD	COAL	-	450.0	
-136.0	CARBONDALE	COLCHESTER	COAL	-	572.0	
-678.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1114.0	
-2215.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2651.0	TOP OF NEW ALBANY
-2236.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2672.0	
-2277.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2713.0	BASE OF NEW ALBANY

MAPID: 02701489000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.254769 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.695411 DATE COLLECTED: 12 / 0 / 1952

SURFACE ELEVATION (FT.): 436.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: MENHALL, J. W. & CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	MODESTO	PIASA	LIMESTONE	4.5	378.0	
53.5	MODESTO		UNCLASSIFIED	7.5	382.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
46.0	CARBONDALE		UNCLASSIFIED	16.0	390.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
30.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	406.0	
22.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	414.0	
18.0	CARBONDALE		UNCLASSIFIED	4.0	418.0	SHALE ABOVE BRERETON LIMESTONE
14.0	CARBONDALE	ANNA	BLACK SHALE	3.0	422.0	
11.0	CARBONDALE	HERRIN	COAL	5.0	425.0	

MAPID: 02701490000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 25 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.259309 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.677139 DATE COLLECTED: 8 / 0 / 1954

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 403.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.0	MODESTO	PIASA	LIMESTONE	6.0	352.0	
72.0	MODESTO		UNCLASSIFIED	7.0	358.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
65.0	CARBONDALE		UNCLASSIFIED	13.5	365.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
51.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	378.5	
42.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	387.5	
39.0	CARBONDALE		UNCLASSIFIED	3.5	391.0	SHALE ABOVE BRERETON LIMESTONE
35.5	CARBONDALE	ANNA	BLACK SHALE	2.5	394.5	
33.0	CARBONDALE	HERRIN	COAL	6.0	397.0	

MAPID: 02701490000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 25 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.259309 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.677139 DATE COLLECTED:

SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 402.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.0	MODESTO	PIASA	LIMESTONE	6.0	352.0	
72.0	MODESTO		SHALE	15.0	358.0	
57.0	CARBONDALE	DANVILLE	COAL	2.0	373.0	
55.0	CARBONDALE		SHALE	4.0	375.0	
51.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	379.0	
43.0	CARBONDALE	LAWSON	SHALE	11.0	387.0	
32.0	CARBONDALE	HERRIN	COAL	4.0	398.0	

MAPID: 02701490000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 25 QUARTERS/FOOTAGES: SE SW NE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.259309 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.677139 DATE COLLECTED: 8 / 0 / 1954
 SURFACE ELEVATION (FT.): 430.0 LOGGED (FT.): 780.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil
 COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
80.0	MODESTO	PIASA	UNCLASSIFIED	-	350.0
58.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	372.0
34.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	396.0
8.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	3.0	422.0
-47.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	477.0
-115.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	545.0
-350.0	BASE OF PENN.		UNCLASSIFIED	-	780.0

MAPID: 02701044000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 26 QUARTERS/FOOTAGES: 1650' S line, 330' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.289668 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.67344 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 1498.0 LOG TYPE:
 SOURCE: TEXAS CO, SCHAEFER J 1C WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
70.0	CARBONDALE	HERRIN	COAL	5.0	362.0

MAPID: 02701044000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 26 QUARTERS/FOOTAGES: 1650' S line, 330' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.289668 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.67344 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 366.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
119.0	MODESTO	PIASA	LIMESTONE	10.0	313.0
109.0	MODESTO		SHALE	12.0	323.0
97.0	CARBONDALE	DANVILLE	COAL	3.0	335.0
94.0	CARBONDALE		SHALE	6.0	338.0
88.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	344.0
81.0	CARBONDALE	LAWSON	SHALE	10.0	351.0
71.0	CARBONDALE	HERRIN	COAL	5.0	361.0

MAPID: 02701044000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 26 QUARTERS/FOOTAGES: 1650' S line, 330' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.289668 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.67344 DATE COLLECTED: 7 / 0 / 1945
 SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 364.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
117.0	MODESTO	PIASA	LIMESTONE	9.0	312.0	
108.0	MODESTO		UNCLASSIFIED	5.0	321.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
103.0	CARBONDALE		UNCLASSIFIED	14.0	326.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
89.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	340.0	
81.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	348.0	
77.0	CARBONDALE		UNCLASSIFIED	4.0	352.0	SHALE ABOVE BRERETON LIMESTONE
73.0	CARBONDALE	ANNA	BLACK SHALE	3.0	356.0	
70.0	CARBONDALE	HERRIN	COAL	5.0	359.0	

MAPID: 02701044000C VERSION: 4

PROJECT: CONTROL

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 26 QUARTERS/FOOTAGES: 1650' S line, 330' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.289668 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 38.67344 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 1498.0 LOG TYPE: Survey Sample Study
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Oil and Gas Test
 COMMENT: OILWELLS LOGGED BY COAL SECT-LOGS IN GRU

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			NO RECORD	0.0	0.0	

MAPID: 02701044000C VERSION: 5

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 26 QUARTERS/FOOTAGES: 1650' S line, 330' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.289668 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.67344 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 1048.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.0	CARBONDALE	SPRINGFIELD	COAL	-	385.0	
-78.0	CARBONDALE	COLCHESTER	COAL	-	507.0	
-619.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1048.0	

MAPID: 02701203000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 27 QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.294385 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.678926 DATE COLLECTED: 1 / 0 / 1956

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 370.5 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	MODESTO	PIASA	LIMESTONE	4.0	322.0	
106.0	MODESTO		UNCLASSIFIED	5.0	326.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
101.0	CARBONDALE		UNCLASSIFIED	18.0	331.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	349.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	356.0	
73.0	CARBONDALE		UNCLASSIFIED	3.0	359.0	SHALE ABOVE BRERETON LIMESTONE
70.0	CARBONDALE	ANNA	BLACK SHALE	2.0	362.0	
68.0	CARBONDALE	HERRIN	COAL	6.5	364.0	

MAPID: 02701203000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 27 QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.294385 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.678926 DATE COLLECTED:

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 370.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
109.0	MODESTO	PIASA	LIMESTONE	4.0	323.0	
105.0	MODESTO		SHALE	14.0	327.0	
91.0	CARBONDALE	DANVILLE	COAL	4.0	341.0	
87.0	CARBONDALE		SHALE	5.0	345.0	
82.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	350.0	
77.0	CARBONDALE	LAWSON	SHALE	9.0	355.0	
68.0	CARBONDALE	HERRIN	COAL	6.0	364.0	

MAPID: 02701203000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 27 QUARTERS/FOOTAGES: NW SE NE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.294385 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.678926 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 2637.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	CARBONDALE	SPRINGFIELD	COAL	-	398.0	
-90.0	CARBONDALE	COLCHESTER	COAL	-	522.0	
-613.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1045.0	
-2146.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2578.0	TOP OF NEW ALBANY
-2164.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2596.0	
-2205.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2637.0	BASE OF NEW ALBANY

MAPID: 02700448000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 28 QUARTERS/FOOTAGES: SE SW NE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.315325 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.677045 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 380.0 LOG TYPE: Drillers Log
 SOURCE: HUDDLESTON & GWIN WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	CARBONDALE	HERRIN	COAL	5.0	375.0	

MAPID: 02700448000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 28 QUARTERS/FOOTAGES: SE SW NE
 QUADRANGLE: KEYESPORT LONGITUDE: -89.315325 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.677045 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 1389.0 LOG TYPE:
 SOURCE: HUDDLS&GRN, WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	CARBONDALE	HERRIN	COAL	-	372.0	CORRELATION UNCERTAIN

MAPID: 02701696000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 1700' W line

QUADRANGLE: KEYSPORT LONGITUDE: -89.322046 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.669679 DATE COLLECTED: 5 / 0 / 1959

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 441.5 LOG TYPE: Electric Log

SOURCE: PURE OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.5	MODESTO	PIASA	LIMESTONE	6.0	394.5	
63.5	MODESTO		UNCLASSIFIED	4.0	400.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
59.5	CARBONDALE		UNCLASSIFIED	12.5	404.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
47.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	417.0	
40.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	423.5	
36.5	CARBONDALE		UNCLASSIFIED	4.0	427.5	SHALE ABOVE BRERETON LIMESTONE
32.5	CARBONDALE	BRERETON	LIMESTONE	3.5	431.5	
29.0	CARBONDALE	ANNA	BLACK SHALE	2.0	435.0	
27.0	CARBONDALE	HERRIN	COAL	4.5	437.0	

MAPID: 02701696000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 1700' W line

QUADRANGLE: KEYSPORT LONGITUDE: -89.322046 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.669679 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 440.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.0	MODESTO	PIASA	LIMESTONE	6.0	394.0	
64.0	MODESTO		SHALE	12.0	400.0	
52.0	CARBONDALE	DANVILLE	COAL	2.0	412.0	
50.0	CARBONDALE		SHALE	3.0	414.0	
47.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	417.0	
42.0	CARBONDALE	LAWSON	SHALE	10.0	422.0	
32.0	CARBONDALE	BRERETON	LIMESTONE	2.0	432.0	
30.0	CARBONDALE	ANNA	SHALE	2.0	434.0	
28.0	CARBONDALE	HERRIN	COAL	4.0	436.0	

MAPID: 02701035000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 29 QUARTERS/FOOTAGES: 1840' S line, 610' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.33023 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.673813 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 2679.0 LOG TYPE:

SOURCE: ROSEBACH P, SKIDMORE M 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
42.0	CARBONDALE	HERRIN	COAL	-	413.0

MAPID: 02701035000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 29 QUARTERS/FOOTAGES: 1840' S line, 610' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.33023 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.673813 DATE COLLECTED:

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
84.0	MODESTO	PIASA	LIMESTONE	5.0	371.0
79.0	MODESTO		SHALE	14.0	376.0
65.0	CARBONDALE	DANVILLE	COAL	2.5	390.0
62.5	CARBONDALE		SHALE	3.5	392.5
59.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	396.0
52.0	CARBONDALE	LAWSON	SHALE	11.0	403.0
41.0	CARBONDALE	HERRIN	COAL	6.0	414.0

MAPID: 02701035000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 29 QUARTERS/FOOTAGES: 1840' S line, 610' E line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.33023 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.673813 DATE COLLECTED: 9 / 0 / 1943
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 420.0 LOG TYPE: Electric Log
 SOURCE: MOSEBACK PAUL WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.0	MODESTO	PIASA	LIMESTONE	5.0	371.0	
79.0	MODESTO		UNCLASSIFIED	6.0	376.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
73.0	CARBONDALE	DANVILLE	COAL	2.0	382.0	
71.0	CARBONDALE		UNCLASSIFIED	12.0	384.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
59.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	396.0	
51.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	403.5	
47.5	CARBONDALE		UNCLASSIFIED	4.0	407.5	SHALE ABOVE BRERETON LIMESTONE
43.5	CARBONDALE	ANNA	BLACK SHALE	2.5	411.5	
41.0	CARBONDALE	HERRIN	COAL	6.0	414.0	

MAPID: 02701236000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.345709 GEOLOGIST: J JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.676847 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 2580.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Oil and Gas Test
 COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-10.0	CARBONDALE	SPRINGFIELD	COAL	-	478.0	
-120.0	CARBONDALE	COLCHESTER	COAL	-	588.0	
-584.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1052.0	
-2054.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2522.0	TOP OF NEW ALBANY
-2075.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2543.0	
-2112.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2580.0	BASE OF NEW ALBANY

MAPID: 02701236000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW
 QUADRANGLE: KEYESPORT LONGITUDE: -89.345709 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.676847 DATE COLLECTED: 5 / 0 / 1956
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: TEXACO, INC. WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02725133000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 29 QUARTERS/FOOTAGES: 2100' S line, 2642' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.337568 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.674475 DATE COLLECTED: 11 / 5 / 1980

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 435.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 80-29-26C WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
459.0			UNCONSOLIDATED	16.0	0.0	
443.0	BOND		UNCLASSIFIED	42.0	16.0	
401.0	BOND	CARTHAGE	LIMESTONE	10.0	58.0	
391.0	MODESTO	NEW HAVEN	BLACK SHALE	3.0	68.0	
388.0	MODESTO		UNCLASSIFIED	67.0	71.0	
321.0	MODESTO	CHAPEL	BLACK SHALE	4.0	138.0	
317.0	MODESTO		UNCLASSIFIED	118.5	142.0	
198.5	MODESTO	LAKE CREEK	COAL	1.5	260.5	UNCERTAIN CORRELATION
197.0	MODESTO		UNCLASSIFIED	108.0	262.0	
89.0	MODESTO	PIASA	LIMESTONE	1.5	370.0	
87.5	MODESTO		UNCLASSIFIED	11.5	371.5	
76.0	MODESTO		BLACK SHALE	2.5	383.0	
73.5	MODESTO		UNCLASSIFIED	1.0	385.5	
72.5	CARBONDALE	DANVILLE	COAL	1.5	386.5	
71.0	CARBONDALE		UNCLASSIFIED	1.5	388.0	
69.5	CARBONDALE	BANKSTON FORK	LIMESTONE	7.5	389.5	
62.0	CARBONDALE		UNCLASSIFIED	14.0	397.0	
48.0	CARBONDALE	HERRIN	COAL	7.0	411.0	
41.0	CARBONDALE		UNCLASSIFIED	14.0	418.0	
27.0	CARBONDALE	TURNER MINE	BLACK SHALE	2.0	432.0	
25.0	CARBONDALE		UNCLASSIFIED	1.0	434.0	

MAPID: 02700824000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.357913 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.67305 DATE COLLECTED: 5 / 0 / 1940

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 475.0 LOG TYPE: Electric Log

SOURCE: GARNIER L V ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.5	MODESTO	PIASA	LIMESTONE	6.5	422.5	
52.0	MODESTO		UNCLASSIFIED	5.0	429.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
47.0	CARBONDALE		UNCLASSIFIED	11.0	434.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
36.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	445.0	
28.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	453.0	
22.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	458.5	
20.5	CARBONDALE		UNCLASSIFIED	3.5	460.5	SHALE ABOVE BRERETON LIMESTONE
17.0	CARBONDALE	BRERETON	LIMESTONE	4.0	464.0	
13.0	CARBONDALE	ANNA	BLACK SHALE	2.0	468.0	
11.0	CARBONDALE	HERRIN	COAL	5.0	470.0	

MAPID: 02700824000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.357913 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.67305 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 2701.0 LOG TYPE:

SOURCE: GARNIER L, TONY A 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
11.0	CARBONDALE	HERRIN	COAL	-	470.0	

MAPID: 02701491000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.359482 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.675766 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 467.0 LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.5	MODESTO	PIASA	LIMESTONE	2.5	416.5	
64.0	MODESTO		UNCLASSIFIED	5.0	419.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
59.0	CARBONDALE		UNCLASSIFIED	17.0	424.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
42.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	441.0	
35.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	448.0	
31.5	CARBONDALE		UNCLASSIFIED	3.5	451.5	SHALE ABOVE BRERETON LIMESTONE
28.0	CARBONDALE	BRERETON	LIMESTONE	2.0	455.0	
26.0	CARBONDALE	ANNA	BLACK SHALE	3.0	457.0	
23.0	CARBONDALE	HERRIN	COAL	7.0	460.0	

MAPID: 02701491000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.359482 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.675766 DATE COLLECTED:

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 466.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.0	MODESTO	PIASA	LIMESTONE	5.0	416.0	
62.0	MODESTO		SHALE	10.0	421.0	
52.0	CARBONDALE	DANVILLE	COAL	3.0	431.0	
49.0	CARBONDALE		SHALE	9.0	434.0	
40.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	443.0	
36.0	CARBONDALE	LAWSON	SHALE	13.0	447.0	
23.0	CARBONDALE	HERRIN	COAL	6.0	460.0	

MAPID: 02701491000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.359482 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.675766 DATE COLLECTED:

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 2549.0 LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-5.0	CARBONDALE	SPRINGFIELD	COAL	-	488.0	
-127.0	CARBONDALE	COLCHESTER	COAL	-	610.0	
-529.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1012.0	
-2007.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2490.0	TOP OF NEW ALBANY
-2027.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2510.0	
-2066.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2549.0	BASE OF NEW ALBANY

MAPID: 02703834000C VERSION: 1

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 970' S line, 350' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.370887 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.671022 DATE COLLECTED: 0 / 0 / 1964

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 115.0 LOG TYPE: Drillers Log

SOURCE: L. F. WOODWARD WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
480.0			UNCONSOLIDATED	62.0	0.0	
418.0			LIMESTONE	11.0	62.0	
407.0			COAL	2.0	73.0	
405.0			ROCK	40.0	75.0	

MAPID: 02703973000C VERSION: 1

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 100' S line, 1120' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.350815 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.668842 DATE COLLECTED: 11 / 12 / 1971

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 80.0 LOG TYPE: Drillers Log

SOURCE: L. F. WOODWARD WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.0			UNCONSOLIDATED	39.0	0.0	
433.0			SHALE	25.0	39.0	SANDY
408.0			LIMESTONE	11.0	64.0	SANDY
397.0			COAL	5.0	75.0	

MAPID: 02725134000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 1392' S line, 3168' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.360954 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.672297 DATE COLLECTED: 11 / 6 / 1980

SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 482.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI80-30-25 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
491.0			UNCONSOLIDATED	42.0	0.0	
449.0	BOND		UNCLASSIFIED	34.5	42.0	
414.5	BOND		COAL	0.5	76.5	
414.0	BOND		UNCLASSIFIED	23.0	77.0	
391.0	BOND	CARTHAGE	LIMESTONE	9.0	100.0	
382.0	MODESTO	NEW HAVEN	BLACK SHALE	2.5	109.0	
379.5	MODESTO		UNCLASSIFIED	71.5	111.5	
308.0	MODESTO	CHAPEL	BLACK SHALE	3.0	183.0	
305.0	MODESTO		UNCLASSIFIED	109.5	186.0	
195.5	MODESTO		BLACK SHALE	1.5	295.5	
194.0	MODESTO		UNCLASSIFIED	4.5	297.0	
189.5	MODESTO	LAKE CREEK	COAL	1.5	301.5	UNCERTAIN CORRELATION
188.0	MODESTO		UNCLASSIFIED	51.0	303.0	
137.0	MODESTO		COAL	1.0	354.0	
136.0	MODESTO		UNCLASSIFIED	78.0	355.0	418-419.5 PIASA LS. INTERVAL
58.0	CARBONDALE	DANVILLE	COAL	1.5	433.0	
56.5	CARBONDALE		UNCLASSIFIED	2.5	434.5	
54.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	437.0	
45.0	CARBONDALE		UNCLASSIFIED	8.5	446.0	
36.5	CARBONDALE	BRERETON	LIMESTONE	1.3	454.5	
35.2	CARBONDALE	ANNA	BLACK SHALE	3.2	455.8	
32.0	CARBONDALE	HERRIN	COAL	7.0	459.0	
25.0	CARBONDALE		UNCLASSIFIED	16.0	466.0	

MAPID: 02725325000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 2025' N line, 54' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.347063 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.677652 DATE COLLECTED: 10 / 13 / 1981

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 461.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-30-5C WELL TYPE: Coal Test

COMMENT: DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
465.0			UNCONSOLIDATED	64.0	0.0	
401.0	BOND	CARTHAGE	LIMESTONE	12.0	64.0	
389.0	MODESTO	NEW HAVEN	BLACK SHALE	4.0	76.0	
385.0	MODESTO		UNCLASSIFIED	68.0	80.0	
317.0	MODESTO	CHAPEL	SHALE	5.0	148.0	
312.0	MODESTO		UNCLASSIFIED	109.0	153.0	
203.0	MODESTO	LAKE CREEK	COAL	0.5	262.0	UNCERTAIN CORRELATION
202.5	MODESTO		UNCLASSIFIED	145.5	262.5	
57.0	MODESTO	PIASA	LIMESTONE	12.0	408.0	
45.0	MODESTO		UNCLASSIFIED	41.0	420.0	

MAPID: 02725326000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 30 QUARTERS/FOOTAGES: 1407' N line, 2961' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.361637 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.679147 DATE COLLECTED: 4 / 1 / 1981

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 479.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-30-18C WELL TYPE: Coal Test

COMMENT: DENS AND RESIST LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
483.0			UNCONSOLIDATED	92.0	0.0	
391.0	BOND	CARTHAGE	LIMESTONE	12.0	92.0	
379.0	MODESTO	NEW HAVEN	BLACK SHALE	5.0	104.0	
374.0	MODESTO		UNCLASSIFIED	59.5	109.0	
314.5	MODESTO	CHAPEL	BLACK SHALE	3.5	168.5	
311.0	MODESTO		UNCLASSIFIED	124.0	172.0	
187.0	MODESTO	LAKE CREEK	COAL	2.0	296.0	UNCERTAIN CORRELATION
185.0	MODESTO		UNCLASSIFIED	129.3	298.0	
55.7	CARBONDALE	DANVILLE	COAL	2.5	427.3	
53.2	CARBONDALE		UNCLASSIFIED	5.2	429.8	
48.0	CARBONDALE	BANKSTON FORK	LIMESTONE	10.0	435.0	
38.0	CARBONDALE		UNCLASSIFIED	10.0	445.0	
28.0	CARBONDALE	BRERETON	LIMESTONE	1.0	455.0	MAY NOT BE PRESENT
27.0	CARBONDALE	HERRIN	COAL	8.0	456.0	
19.0	CARBONDALE		UNCLASSIFIED	15.0	464.0	

MAPID: 02700181000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.357917 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.667573 DATE COLLECTED: 10 / 0 / 1942

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 429.0 LOG TYPE: Electric Log

SOURCE: WISER OIL CO., THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	5.0	380.0	
95.0	MODESTO		UNCLASSIFIED	7.0	385.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
88.0	CARBONDALE		UNCLASSIFIED	12.0	392.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
76.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	404.0	
67.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	413.0	
63.0	CARBONDALE		UNCLASSIFIED	3.5	417.0	SHALE ABOVE BRERETON LIMESTONE
59.5	CARBONDALE	ANNA	BLACK SHALE	2.5	420.5	
57.0	CARBONDALE	HERRIN	COAL	6.0	423.0	

MAPID: 02700181000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.357917 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.667573 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 1390.0 LOG TYPE:

SOURCE: WISER OC, MAHLDT HRS 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
53.0	CARBONDALE	HERRIN	COAL	-	422.0	

MAPID: 02701492000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.364048 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.662042 DATE COLLECTED: 9 / 0 / 1954

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	MODESTO	PIASA	LIMESTONE	5.0	346.0	
96.0	MODESTO		UNCLASSIFIED	6.0	351.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
90.0	CARBONDALE	DANVILLE	COAL	3.0	357.0	
87.0	CARBONDALE		UNCLASSIFIED	7.0	360.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
80.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	367.0	
72.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	375.0	
67.5	CARBONDALE		UNCLASSIFIED	4.5	379.5	SHALE ABOVE BRERETON LIMESTONE
63.0	CARBONDALE	BRERETON	LIMESTONE	3.0	384.0	
60.0	CARBONDALE	ANNA	BLACK SHALE	2.0	387.0	
58.0	CARBONDALE	HERRIN	COAL	7.0	389.0	

MAPID: 02701492000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.364048 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.662042 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 426.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
102.0	MODESTO	PIASA	CALCAREOUS SHALE	4.0	376.0	
98.0	MODESTO		SHALE	8.0	380.0	
90.0	CARBONDALE	DANVILLE	BONE COAL	2.0	388.0	
88.0	CARBONDALE		SHALE	8.0	390.0	
80.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	398.0	
74.0	CARBONDALE	LAWSON	SHALE	10.0	404.0	
64.0	CARBONDALE	BRERETON	LIMESTONE	4.0	414.0	
60.0	CARBONDALE	ANNA	SHALE	2.0	418.0	
58.0	CARBONDALE	HERRIN	COAL	6.0	420.0	

MAPID: 02701799000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.351827 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.654813 DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 2570.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
28.0	CARBONDALE	SPRINGFIELD	COAL	-	439.0	
-83.0	CARBONDALE	COLCHESTER	COAL	-	550.0	
-548.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1015.0	
-2048.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2515.0	TOP OF NEW ALBANY
-2064.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2531.0	
-2103.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2570.0	BASE OF NEW ALBANY

MAPID: 02701799000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.351827 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.654813 DATE COLLECTED: 5 / 0 / 1960

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 407.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Unsuccessful or Unknown Results

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.5	MODESTO	PIASA	LIMESTONE	4.0	363.5	
99.5	MODESTO		UNCLASSIFIED	5.5	367.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
94.0	CARBONDALE		UNCLASSIFIED	10.5	373.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	383.5	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	391.0	
72.0	CARBONDALE		UNCLASSIFIED	4.0	395.0	SHALE ABOVE BRERETON LIMESTONE
68.0	CARBONDALE	ANNA	BLACK SHALE	3.0	399.0	
65.0	CARBONDALE	HERRIN	COAL	5.0	402.0	

MAPID: 02701804000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 1715' E line of SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.365439 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.654683 DATE COLLECTED: 5 / 0 / 1960

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: BEESON OIL DEVELOPING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.0	CARBONDALE	HERRIN	COAL	7.0	411.0	

MAPID: 02701867000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.354151 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.654791 DATE COLLECTED: 7 / 0 / 1961

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 411.0 LOG TYPE: Electric Log

SOURCE: GOODWIN, MR. E. W. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	LIMESTONE	4.0	365.0	
102.0	MODESTO		UNCLASSIFIED	5.0	369.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
97.0	CARBONDALE		UNCLASSIFIED	14.0	374.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	388.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	396.0	
72.0	CARBONDALE		UNCLASSIFIED	3.0	399.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	1.5	402.0	
67.5	CARBONDALE	ANNA	BLACK SHALE	2.5	403.5	
65.0	CARBONDALE	HERRIN	COAL	5.0	406.0	

MAPID: 02702943000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.360604 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.660227 DATE COLLECTED: 7 / 0 / 1954

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 405.0 LOG TYPE: Electric Log

SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
112.0	MODESTO	PIASA	LIMESTONE	4.0	362.0	
108.0	MODESTO		UNCLASSIFIED	6.0	366.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
102.0	CARBONDALE		UNCLASSIFIED	9.0	372.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
93.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	381.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	388.0	
82.0	CARBONDALE		UNCLASSIFIED	4.0	392.0	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	BRERETON	LIMESTONE	2.0	396.0	
76.0	CARBONDALE	ANNA	BLACK SHALE	2.0	398.0	
74.0	CARBONDALE	HERRIN	COAL	5.0	400.0	

MAPID: 02703224000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 996' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.368724 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.654651 DATE COLLECTED: 7 / 0 / 1965

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
79.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02724391000C VERSION: 1

PROJECT: CONF

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: SW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.356205 GEOLOGIST: LOG BOOK

CONFIDENTIAL: N LATITUDE: 38.655691 DATE COLLECTED: 1 / 7 / 1974

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 500.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. 15625C WELL TYPE: Coal Test

COMMENT: TOPS & THICK. FROM COAL SEC. LOG BOOK

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
71.3	CARBONDALE	HERRIN	COAL	6.6	397.7	

MAPID: 02725140000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 45' S line, 2613' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.363035 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.653918 DATE COLLECTED: 11 / 11 / 1980

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 438.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI80-31-27 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
476.0			UNCONSOLIDATED	50.0	0.0
426.0			UNCLASSIFIED	3.0	50.0
423.0	BOND	CARTHAGE	LIMESTONE	8.0	53.0
415.0	MODESTO	NEW HAVEN	BLACK SHALE	3.0	61.0
412.0	MODESTO		UNCLASSIFIED	73.0	64.0
339.0	MODESTO	CHAPEL	BLACK SHALE	3.0	137.0
336.0	MODESTO		UNCLASSIFIED	115.0	140.0
221.0	MODESTO		BLACK SHALE	4.0	255.0
217.0	MODESTO	LAKE CREEK	COAL	1.0	259.0
216.0	MODESTO		UNCLASSIFIED	16.0	260.0
200.0	MODESTO		LIMESTONE	7.0	276.0
193.0	MODESTO		UNCLASSIFIED	89.0	283.0
104.0	MODESTO	PIASA	LIMESTONE	1.5	372.0
102.5	MODESTO		UNCLASSIFIED	15.0	373.5
87.5	CARBONDALE	DANVILLE	COAL	1.5	388.5
86.0	CARBONDALE		UNCLASSIFIED	3.0	390.0
83.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.5	393.0
74.5	CARBONDALE		UNCLASSIFIED	11.5	401.5
63.0	CARBONDALE	ANNA	BLACK SHALE	1.5	413.0
61.5	CARBONDALE	HERRIN	COAL	7.0	414.5
54.5	CARBONDALE		UNCLASSIFIED	16.5	421.5

MAPID: 02725327000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 31 QUARTERS/FOOTAGES: 162' S line, 747' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.369601 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.654177 DATE COLLECTED: 9 / 21 / 1981

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 452.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-31-4C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
477.0			UNCONSOLIDATED	56.0	0.0	
421.0	BOND	CARTHAGE	LIMESTONE	12.0	56.0	
409.0	MODESTO	NEW HAVEN	BLACK SHALE	4.0	68.0	
405.0	MODESTO		UNCLASSIFIED	69.0	72.0	
336.0	MODESTO	CHAPEL	COAL	2.0	141.0	
334.0	MODESTO		UNCLASSIFIED	120.0	143.0	
214.0	MODESTO	LAKE CREEK	COAL	2.0	263.0	UNCERTAIN CORRELATION
212.0	MODESTO		UNCLASSIFIED	118.0	265.0	
94.0	MODESTO	PIASA	LIMESTONE	2.0	383.0	
92.0	MODESTO		UNCLASSIFIED	11.0	385.0	
81.0	CARBONDALE	DANVILLE	COAL	2.0	396.0	
79.0	CARBONDALE		UNCLASSIFIED	3.0	398.0	
76.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	401.0	
68.0	CARBONDALE		UNCLASSIFIED	11.0	409.0	
57.0	CARBONDALE	BRERETON	LIMESTONE	2.0	420.0	
55.0	CARBONDALE	HERRIN	COAL	8.0	422.0	
47.0	CARBONDALE		UNCLASSIFIED	22.0	430.0	

MAPID: 02700612000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 32 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.338574 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.665927 DATE COLLECTED: 11 / 0 / 1941

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: DARNELL, JACK ETAL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	MODESTO	PIASA	LIMESTONE	4.5	352.0	
96.5	MODESTO		UNCLASSIFIED	2.5	356.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
94.0	CARBONDALE		UNCLASSIFIED	11.0	359.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	370.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	378.0	
71.0	CARBONDALE		UNCLASSIFIED	4.0	382.0	SHALE ABOVE BRERETON LIMESTONE
67.0	CARBONDALE	ANNA	BLACK SHALE	2.0	386.0	
65.0	CARBONDALE	HERRIN	COAL	6.0	388.0	

MAPID: 02700612000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 32 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: KEYSPORT LONGITUDE: -89.338574

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.665927

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 1237.0

LOG TYPE:

SOURCE: DARNELL J, BECKEMEYER 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
419.0	BOND	CARTHAGE	LIMESTONE	-	34.0	
65.0	CARBONDALE	HERRIN	COAL	-	388.0	

MAPID: 02701234000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 32 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: KEYSPORT LONGITUDE: -89.333728

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.658659

DATE COLLECTED: 5 / 0 / 1956

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 433.0

LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.5	MODESTO	PIASA	LIMESTONE	4.5	382.5	
74.0	MODESTO		UNCLASSIFIED	6.0	387.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
68.0	CARBONDALE		UNCLASSIFIED	15.0	393.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
53.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	408.0	
45.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	416.0	
41.0	CARBONDALE		UNCLASSIFIED	4.0	420.0	SHALE ABOVE BRERETON LIMESTONE
37.0	CARBONDALE	ANNA	BLACK SHALE	3.0	424.0	
34.0	CARBONDALE	HERRIN	COAL	6.0	427.0	

MAPID: 02701234000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 32 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.333728

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.658659

DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0

LOGGED (FT.): 433.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	MODESTO	PIASA	LIMESTONE	4.0	384.0	
73.0	MODESTO		SHALE	15.0	388.0	
58.0	CARBONDALE	DANVILLE	COAL	2.0	403.0	
56.0	CARBONDALE		SHALE	4.0	405.0	
52.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	409.0	
46.0	CARBONDALE	LAWSON	SHALE	13.0	415.0	
33.0	CARBONDALE	HERRIN	COAL	5.0	428.0	

MAPID: 02701234000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 32 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.333728

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.658659

DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0

LOGGED (FT.): 2587.0

LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC.

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
8.0	CARBONDALE	SPRINGFIELD	COAL	-	453.0	
-113.0	CARBONDALE	COLCHESTER	COAL	-	574.0	
-567.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1028.0	
-2069.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2530.0	TOP OF NEW ALBANY
-2089.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2550.0	
-2126.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2587.0	BASE OF NEW ALBANY

MAPID: 02701493000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 33 QUARTERS/FOOTAGES: 390' S line, 380' W line of NW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.326537 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.658891 DATE COLLECTED: 6 / 0 / 1953

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	MODESTO	PIASA	LIMESTONE	3.0	370.0	
79.0	MODESTO		UNCLASSIFIED	5.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
74.0	CARBONDALE	DANVILLE	COAL	2.0	378.0	
72.0	CARBONDALE		UNCLASSIFIED	12.5	380.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
59.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	392.5	
52.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	399.5	
49.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	403.0	
47.5	CARBONDALE		UNCLASSIFIED	4.5	404.5	SHALE ABOVE BRERETON LIMESTONE
43.0	CARBONDALE	BRERETON	LIMESTONE	4.0	409.0	
39.0	CARBONDALE	ANNA	BLACK SHALE	1.0	413.0	
38.0	CARBONDALE	HERRIN	COAL	4.0	414.0	

MAPID: 02701571000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 33 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.317574 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.667875 DATE COLLECTED: 6 / 0 / 1953

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
66.0	MODESTO	PIASA	LIMESTONE	5.0	405.0	
61.0	MODESTO		UNCLASSIFIED	3.5	410.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
57.5	CARBONDALE	DANVILLE	COAL	1.0	413.5	
56.5	CARBONDALE		UNCLASSIFIED	11.5	414.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
45.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	426.0	
37.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	434.0	
33.0	CARBONDALE		UNCLASSIFIED	4.0	438.0	SHALE ABOVE BRERETON LIMESTONE
29.0	CARBONDALE	BRERETON	LIMESTONE	1.0	442.0	
28.0	CARBONDALE	ANNA	BLACK SHALE	1.0	443.0	
27.0	CARBONDALE	HERRIN	COAL	6.0	444.0	

MAPID: 02701571000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 33 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.317574 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.667875 DATE COLLECTED:

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.0	MODESTO	PIASA	LIMESTONE	5.0	404.0	
62.0	MODESTO		SHALE	12.0	409.0	
50.0	CARBONDALE	DANVILLE	COAL	2.0	421.0	
48.0	CARBONDALE		SHALE	3.0	423.0	
45.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	426.0	
38.0	CARBONDALE	LAWSON	SHALE	9.0	433.0	
29.0	CARBONDALE	BRERETON	LIMESTONE	2.0	442.0	
27.0	CARBONDALE	HERRIN	COAL	6.0	444.0	

MAPID: 02700364000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.287132 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.657037 DATE COLLECTED: 9 / 0 / 1942

SURFACE ELEVATION (FT.): 427.0 LOGGED (FT.): 353.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
127.0	MODESTO	PIASA	LIMESTONE	4.5	300.0	
122.5	MODESTO		UNCLASSIFIED	6.5	304.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.0	CARBONDALE	DANVILLE	COAL	2.5	311.0	
113.5	CARBONDALE		UNCLASSIFIED	16.5	313.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	330.0	
90.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	337.0	
86.5	CARBONDALE		UNCLASSIFIED	3.5	340.5	SHALE ABOVE BRERETON LIMESTONE
83.0	CARBONDALE	BRERETON	LIMESTONE	1.5	344.0	
81.5	CARBONDALE	ANNA	BLACK SHALE	1.5	345.5	
80.0	CARBONDALE	HERRIN	COAL	6.0	347.0	

MAPID: 02700370000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.284866 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.662529 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 1224.0 LOG TYPE:

SOURCE: TEXAS CO, SCHAEFER J 1A WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.0	CARBONDALE	HERRIN	COAL	-	356.0	

MAPID: 02700370000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.284866 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.662529 DATE COLLECTED:

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 361.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	7.0	311.0	
111.0	MODESTO		SHALE	12.0	318.0	
99.0	CARBONDALE	DANVILLE	COAL	2.0	330.0	
97.0	CARBONDALE		SHALE	5.0	332.0	
92.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	337.0	
86.0	CARBONDALE	LAWSON	SHALE	13.0	343.0	
73.0	CARBONDALE	HERRIN	COAL	5.0	356.0	

MAPID: 02700370000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.284866 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.662529 DATE COLLECTED: 9 / 0 / 1942

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 361.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	7.0	311.0	
111.0	MODESTO		UNCLASSIFIED	6.0	318.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.0	CARBONDALE		UNCLASSIFIED	13.0	324.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	337.0	
85.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	344.0	
81.0	CARBONDALE		UNCLASSIFIED	4.0	348.0	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	1.0	352.0	
76.0	CARBONDALE	ANNA	BLACK SHALE	3.0	353.0	
73.0	CARBONDALE	HERRIN	COAL	5.0	356.0	

MAPID: 02700378000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280193 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.662573 DATE COLLECTED: 9 / 0 / 1942

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 348.0 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.1	MODESTO	PIASA	LIMESTONE	6.0	296.9	
126.1	MODESTO		UNCLASSIFIED	7.0	302.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
119.1	CARBONDALE		UNCLASSIFIED	13.0	309.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
106.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	322.9	
97.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.8	331.9	
93.3	CARBONDALE		UNCLASSIFIED	3.8	335.7	SHALE ABOVE BRERETON LIMESTONE
89.5	CARBONDALE	ANNA	BLACK SHALE	2.5	339.5	
87.0	CARBONDALE	HERRIN	COAL	6.0	342.0	

MAPID: 02700378000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.280193 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.662573 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 1231.0 LOG TYPE:

SOURCE: TEXAS CO, SCHAEFER J 1B WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
89.0	CARBONDALE	HERRIN	COAL	-	340.0	

MAPID: 02700581000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW NE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.275475 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.658997 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 1222.0 LOG TYPE:

SOURCE: TEXAS CO, GRAY COMM 7 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.0	CARBONDALE	HERRIN	COAL	-	350.0	

MAPID: 02701016000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.283628 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.656174 DATE COLLECTED: 4 / 0 / 1943

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 351.5 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.1	MODESTO	PIASA	LIMESTONE	5.0	300.9	
128.1	MODESTO		UNCLASSIFIED	8.0	305.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
120.1	CARBONDALE		UNCLASSIFIED	13.0	313.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	326.9	
98.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	335.9	
94.8	CARBONDALE		UNCLASSIFIED	3.3	339.2	SHALE ABOVE BRERETON LIMESTONE
91.5	CARBONDALE	ANNA	BLACK SHALE	2.5	342.5	
89.0	CARBONDALE	HERRIN	COAL	6.5	345.0	

MAPID: 02701016000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.283628

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.656174

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 434.0

LOGGED (FT.): 2658.0

LOG TYPE:

SOURCE: TEXAS CO, DEF&GRYCOM 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	CARBONDALE	HERRIN	COAL	-	344.0	

MAPID: 02701016000C VERSION: 3

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.283628

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.656174

DATE COLLECTED:

SURFACE ELEVATION (FT.): 434.0

LOGGED (FT.): 2546.0

LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
64.0	CARBONDALE	SPRINGFIELD	COAL	-	370.0	
-65.0	CARBONDALE	COLCHESTER	COAL	-	499.0	
-570.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1004.0	
-2054.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2488.0	TOP OF NEW ALBANY
-2070.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2504.0	
-2112.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2546.0	BASE OF NEW ALBANY

MAPID: 02702952000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: 380' N line, 340' E line of SE SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.273144 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.657071 DATE COLLECTED: 6 / 0 / 1954

SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 352.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
125.5	MODESTO	PIASA	LIMESTONE	4.5	305.5	
121.0	MODESTO		UNCLASSIFIED	4.5	310.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.5	CARBONDALE	DANVILLE	COAL	1.5	314.5	
115.0	CARBONDALE		UNCLASSIFIED	13.5	316.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	329.5	
94.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	336.5	
91.0	CARBONDALE		UNCLASSIFIED	3.5	340.0	SHALE ABOVE BRERETON LIMESTONE
87.5	CARBONDALE	ANNA	BLACK SHALE	2.5	343.5	
85.0	CARBONDALE	HERRIN	COAL	6.0	346.0	

MAPID: 02702954000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 416' E line of NW SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.278109 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.658969 DATE COLLECTED: 12 / 0 / 1954

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 358.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.5	MODESTO	PIASA	LIMESTONE	4.0	305.5	
122.5	MODESTO		UNCLASSIFIED	7.5	309.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.0	CARBONDALE	DANVILLE	COAL	1.5	317.0	
113.5	CARBONDALE		UNCLASSIFIED	16.0	318.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	334.5	
88.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	343.5	
85.0	CARBONDALE		UNCLASSIFIED	3.5	347.0	SHALE ABOVE BRERETON LIMESTONE
81.5	CARBONDALE	ANNA	BLACK SHALE	2.5	350.5	
79.0	CARBONDALE	HERRIN	COAL	5.0	353.0	

MAPID: 02702958000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.273175 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.662645 DATE COLLECTED: 6 / 0 / 1954

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 522.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.0	MODESTO	PIASA	UNCLASSIFIED	-	323.0	
64.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	364.0	
39.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	3.0	389.0	
-18.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	446.0	
-53.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	481.0	
-94.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	522.0	

MAPID: 02702958000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.273175 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.662645 DATE COLLECTED: 6 / 0 / 1954

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 370.0 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO	PIASA	LIMESTONE	5.0	325.0	
98.0	MODESTO		UNCLASSIFIED	5.0	330.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.0	CARBONDALE		UNCLASSIFIED	13.0	335.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
80.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	348.0	
72.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	356.0	
69.0	CARBONDALE		UNCLASSIFIED	3.0	359.0	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	ANNA	BLACK SHALE	2.0	362.0	
64.0	CARBONDALE	HERRIN	COAL	6.0	364.0	

MAPID: 0270048000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.270765 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.655413 DATE COLLECTED: 8 / 0 / 1942

SURFACE ELEVATION (FT.): 434.0 LOGGED (FT.): 365.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
114.5	MODESTO	PIASA	LIMESTONE	4.5	319.5	
110.0	MODESTO		UNCLASSIFIED	5.0	324.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.0	CARBONDALE	DANVILLE	COAL	1.0	329.0	
104.0	CARBONDALE		UNCLASSIFIED	13.0	330.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	343.0	
84.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	350.0	
81.0	CARBONDALE		UNCLASSIFIED	3.0	353.0	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	ANNA	BLACK SHALE	2.0	356.0	
76.0	CARBONDALE	HERRIN	COAL	7.5	358.0	

MAPID: 02700829000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.270851 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.66264 DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 1245.0 LOG TYPE:

SOURCE: COGGAN ETL, KELL A WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
57.0	CARBONDALE	HERRIN	COAL	-	372.0	

MAPID: 02700829000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.270851

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.66264

DATE COLLECTED:

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 378.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	MODESTO	PIASA	LIMESTONE	6.0	332.0	
91.0	MODESTO		SHALE	16.0	338.0	
75.0	CARBONDALE	DANVILLE	COAL	2.0	354.0	
73.0	CARBONDALE		LIMESTONE	2.0	356.0	
71.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	358.0	
66.0	CARBONDALE	LAWSON	SHALE	10.0	363.0	
56.0	CARBONDALE	HERRIN	COAL	5.0	373.0	

MAPID: 02700829000C VERSION: 3

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: KEYESPORT LONGITUDE: -89.270851

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.66264

DATE COLLECTED: 9 / 0 / 1941

SURFACE ELEVATION (FT.): 429.0 LOGGED (FT.): 379.0

LOG TYPE: Electric Log

SOURCE: COGGAN ETAL

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.6	MODESTO	PIASA	LIMESTONE	6.0	331.4	
91.6	MODESTO		UNCLASSIFIED	5.0	337.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
86.6	CARBONDALE		UNCLASSIFIED	14.5	342.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
72.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	356.9	
65.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	363.4	
62.8	CARBONDALE		UNCLASSIFIED	2.8	366.2	SHALE ABOVE BRERETON LIMESTONE
60.0	CARBONDALE	BRERETON	LIMESTONE	1.0	369.0	
59.0	CARBONDALE	ANNA	BLACK SHALE	4.0	370.0	
55.0	CARBONDALE	HERRIN	COAL	5.0	374.0	

MAPID: 02701086000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NW

QUADRANGLE: KEYSPORT LONGITUDE: -89.268524 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.662625 DATE COLLECTED: 4 / 0 / 1955

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 407.5 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.5	MODESTO	PIASA	LIMESTONE	6.0	357.5	
93.5	MODESTO		UNCLASSIFIED	5.0	363.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
88.5	CARBONDALE		UNCLASSIFIED	16.0	368.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
72.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	384.5	
65.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	392.0	
62.0	CARBONDALE		UNCLASSIFIED	3.0	395.0	SHALE ABOVE BRERETON LIMESTONE
59.0	CARBONDALE	BRERETON	LIMESTONE	1.5	398.0	
57.5	CARBONDALE	ANNA	BLACK SHALE	1.5	399.5	
56.0	CARBONDALE	HERRIN	COAL	6.5	401.0	

MAPID: 02702959000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SW

QUADRANGLE: KEYSPORT LONGITUDE: -89.266159 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.658967 DATE COLLECTED: 11 / 0 / 1954

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 405.5 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
94.6	MODESTO	PIASA	LIMESTONE	4.0	361.4	
90.6	MODESTO		UNCLASSIFIED	4.0	365.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
86.6	CARBONDALE		UNCLASSIFIED	14.0	369.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
72.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	383.4	
66.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.8	389.9	
62.3	CARBONDALE		UNCLASSIFIED	3.8	393.7	SHALE ABOVE BRERETON LIMESTONE
58.5	CARBONDALE	ANNA	BLACK SHALE	2.5	397.5	
56.0	CARBONDALE	HERRIN	COAL	5.5	400.0	

MAPID: 02702961000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.261526 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.660733 DATE COLLECTED: 5 / 0 / 1954

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 430.0 LOG TYPE: Electric Log

SOURCE: ROBBEN ROBERT H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
76.1	MODESTO	PIASA	LIMESTONE	4.5	380.9	
71.6	MODESTO		UNCLASSIFIED	5.5	385.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
66.1	CARBONDALE		UNCLASSIFIED	17.0	390.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
49.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	407.9	
42.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	414.9	
38.8	CARBONDALE		UNCLASSIFIED	3.3	418.2	SHALE ABOVE BRERETON LIMESTONE
35.5	CARBONDALE	ANNA	BLACK SHALE	2.5	421.5	
33.0	CARBONDALE	HERRIN	COAL	6.0	424.0	

MAPID: 02726200000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 2W SECTION: 36 QUARTERS/FOOTAGES: 2040' S line, 1610' W line of SW

QUADRANGLE: KEYESPORT LONGITUDE: -89.266314 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.660061 DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 1100.0 LOG TYPE: Electric Log

SOURCE: MINERAL DEVELOPMNT, INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.0	CARBONDALE	SPRINGFIELD	COAL	-	445.0	
-113.0	CARBONDALE	COLCHESTER	COAL	-	580.0	
-633.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1100.0	

MAPID: 02700012000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: SE SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.372417 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.734314 DATE COLLECTED: 11 / 0 / 1916

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 412.0 LOG TYPE: Drillers Log

SOURCE: FLAT BRANCH OIL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.0	CARBONDALE	HERRIN	COAL	6.0	406.0	

MAPID: 02700012000C VERSION: 2

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: SE SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.372417 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.734314 DATE COLLECTED: 11 / 0 / 1916

SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 1300.0 LOG TYPE: Drillers Log

SOURCE: FLAT BRANCH OIL & GAS POOL WELL TYPE: Oil and Gas Test

COMMENT: QUESTIONABLE LOCATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
477.0			UNCONSOLIDATED	80.0	0.0	
397.0			ROCK	230.0	80.0	
167.0			SHALE	94.0	310.0	
73.0			LIMESTONE	2.0	404.0	
71.0	CARBONDALE	HERRIN	COAL	7.0	406.0	
64.0			ROCK	32.0	413.0	
32.0			SHALE	130.0	445.0	
-98.0			LIMESTONE	8.0	575.0	
-106.0			SHALE	12.0	583.0	
-118.0			COAL	5.0	595.0	
-123.0			ROCK	700.0	600.0	

MAPID: 02700012000C VERSION: 3

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: SE SE SE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.372417 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.734314 DATE COLLECTED: 0 / 0 / 1916

SURFACE ELEVATION (FT.): 477.2 LOGGED (FT.): 1300.0 LOG TYPE:

SOURCE: FLAT BRAN WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
71.2	CARBONDALE	HERRIN	COAL	7.0	406.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		

MAPID: 02701506000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.382304 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.736569 DATE COLLECTED: 11 / 0 / 1954

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 449.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.0	MODESTO	PIASA	LIMESTONE	3.0	393.0	
87.0	MODESTO		UNCLASSIFIED	4.0	396.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE	DANVILLE	COAL	2.0	400.0	
81.0	CARBONDALE		UNCLASSIFIED	15.5	402.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	417.5	
56.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	426.5	
51.5	CARBONDALE	CONANT	UNCLASSIFIED	1.5	431.5	
50.0	CARBONDALE		UNCLASSIFIED	4.0	433.0	SHALE ABOVE BRERETON LIMESTONE
46.0	CARBONDALE	BRERETON	LIMESTONE	2.0	437.0	
44.0	CARBONDALE	ANNA	BLACK SHALE	2.0	439.0	
42.0	CARBONDALE	HERRIN	COAL	8.0	441.0	

MAPID: 02701753000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.38463 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.736563 DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 969.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	CARBONDALE	SPRINGFIELD	COAL	-	434.0	
-76.0	CARBONDALE	COLCHESTER	COAL	-	556.0	
-489.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	969.0	

MAPID: 02701753000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.38463 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.736563 DATE COLLECTED: 5 / 0 / 1950

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 425.5 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL

WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	4.0	372.0	
104.0	MODESTO		UNCLASSIFIED	4.0	376.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.0	CARBONDALE	DANVILLE	COAL	2.0	380.0	
98.0	CARBONDALE		UNCLASSIFIED	14.0	382.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
84.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	396.0	
76.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	404.0	
71.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	409.0	
69.5	CARBONDALE		UNCLASSIFIED	3.5	410.5	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	BRERETON	LIMESTONE	2.0	414.0	
64.0	CARBONDALE	ANNA	BLACK SHALE	4.0	416.0	
60.0	CARBONDALE	HERRIN	COAL	5.5	420.0	

MAPID: 02702967000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.389288 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.73117 DATE COLLECTED: 3 / 0 / 1951

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 409.0 LOG TYPE: Electric Log

SOURCE: KERWIN, T. R. ETAL

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.0	CARBONDALE	HERRIN	COAL	6.0	403.0	

MAPID: 02702969000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.379975 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.740203 DATE COLLECTED: 5 / 0 / 1951

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 447.5 LOG TYPE: Electric Log

SOURCE: VENUTO A R WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	LIMESTONE	4.0	392.0	
87.0	MODESTO		UNCLASSIFIED	3.5	396.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.5	CARBONDALE	DANVILLE	COAL	1.5	399.5	
82.0	CARBONDALE		UNCLASSIFIED	16.5	401.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	417.5	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	426.0	
53.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	430.0	
52.0	CARBONDALE		UNCLASSIFIED	4.0	431.0	SHALE ABOVE BRERETON LIMESTONE
48.0	CARBONDALE	BRERETON	LIMESTONE	3.0	435.0	
45.0	CARBONDALE	ANNA	BLACK SHALE	2.0	438.0	
43.0	CARBONDALE	HERRIN	COAL	7.5	440.0	

MAPID: 02702969000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.379975 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.740203 DATE COLLECTED:

SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 448.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	MODESTO	PIASA	LIMESTONE	4.0	392.0	
87.0	MODESTO		SHALE	12.0	396.0	
75.0	CARBONDALE	DANVILLE	BONE COAL	2.0	408.0	
73.0	CARBONDALE		SHALE	8.0	410.0	
65.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	418.0	
59.0	CARBONDALE	LAWSON	SHALE	16.0	424.0	
43.0	CARBONDALE	HERRIN	COAL	8.0	440.0	

MAPID: 02725329000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 1 QUARTERS/FOOTAGES: 2590' N line, 520' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.388614 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.733919 DATE COLLECTED: 9 / 20 / 1981

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 430.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-1-13A WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
266.0	MODESTO		LIMESTONE	2.0	219.0	
264.0	MODESTO		UNCLASSIFIED	3.0	221.0	
261.0	MODESTO	LAKE CREEK	COAL	2.0	224.0	UNCERTAIN CORRELATION
259.0	MODESTO		UNCLASSIFIED	10.0	226.0	
249.0	MODESTO		LIMESTONE	1.0	236.0	
248.0	MODESTO		UNCLASSIFIED	107.0	237.0	
141.0	MODESTO	PIASA	LIMESTONE	1.0	344.0	
140.0	MODESTO		UNCLASSIFIED	21.0	345.0	
119.0	CARBONDALE	DANVILLE	COAL	2.0	366.0	
117.0	CARBONDALE		UNCLASSIFIED	14.0	368.0	
103.0	CARBONDALE	BANKSTON FORK	LIMESTONE	10.0	382.0	
93.0	CARBONDALE		UNCLASSIFIED	14.0	392.0	
79.0	CARBONDALE	HERRIN	COAL	8.0	406.0	
71.0	CARBONDALE		UNCLASSIFIED	16.0	414.0	

MAPID: 02701589000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.393917 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.734753 DATE COLLECTED:

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 2457.0 LOG TYPE: Electric Log

SOURCE: SINCLAIR OIL & GAS CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	SPRINGFIELD	COAL	-	426.0	
-70.0	CARBONDALE	COLCHESTER	COAL	-	552.0	
-482.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	964.0	
-1918.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2400.0	TOP OF NEW ALBANY
-1942.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2424.0	
-1975.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2457.0	BASE OF NEW ALBANY

MAPID: 02701589000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.393917 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.734753 DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 414.0 LOG TYPE: Electric Log

SOURCE: SINCLAIR OIL & GAS CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	2.0	364.0	
116.0	MODESTO		UNCLASSIFIED	5.0	366.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
111.0	CARBONDALE		UNCLASSIFIED	13.5	371.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	384.5	
89.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	7.0	392.5	
82.5	CARBONDALE	CONANT	UNCLASSIFIED	1.5	399.5	
81.0	CARBONDALE		UNCLASSIFIED	5.0	401.0	SHALE ABOVE BRERETON LIMESTONE
76.0	CARBONDALE	BRERETON	LIMESTONE	1.5	406.0	
74.5	CARBONDALE	ANNA	BLACK SHALE	1.5	407.5	
73.0	CARBONDALE	HERRIN	COAL	5.0	409.0	

MAPID: 02702970000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.391609 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.736545 DATE COLLECTED: 8 / 0 / 1950

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 409.0 LOG TYPE: Electric Log

SOURCE: FINLEY J BARRY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
128.0	MODESTO	PIASA	LIMESTONE	3.0	357.0	
125.0	MODESTO		UNCLASSIFIED	5.0	360.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
120.0	CARBONDALE	DANVILLE	COAL	1.0	365.0	
119.0	CARBONDALE		UNCLASSIFIED	13.0	366.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
106.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	379.0	
98.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	7.5	387.0	
90.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	394.5	
88.5	CARBONDALE		UNCLASSIFIED	3.5	396.5	SHALE ABOVE BRERETON LIMESTONE
85.0	CARBONDALE	BRERETON	LIMESTONE	2.0	400.0	
83.0	CARBONDALE	ANNA	BLACK SHALE	2.0	402.0	
81.0	CARBONDALE	HERRIN	COAL	5.0	404.0	

MAPID: 02725135000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 2 QUARTERS/FOOTAGES: 25' N line, 2590' E line
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.399569 GEOLOGIST: R. SMITH
 CONFIDENTIAL: N LATITUDE: 38.740939 DATE COLLECTED: 11 / 3 / 1980
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 480.0 LOG TYPE: Multiple log types
 SOURCE: MOBIL OIL CORP. WI-80-2-16 WELL TYPE: Coal Test
 COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
468.0			UNCONSOLIDATED	117.0	0.0	
351.0	MODESTO		UNCLASSIFIED	65.5	117.0	
285.5	MODESTO	LAKE CREEK	COAL	1.0	182.5	
284.5	MODESTO		UNCLASSIFIED	150.0	183.5	
134.5	CARBONDALE	DANVILLE	COAL	4.0	333.5	
130.5	CARBONDALE		UNCLASSIFIED	37.5	337.5	
93.0	CARBONDALE	HERRIN	SANDSTONE	0.0	375.0	WALSHVILLE CHANNEL, NO.5&6 COALS CUTOUT
93.0	CARBONDALE		UNCLASSIFIED	74.0	375.0	
19.0	CARBONDALE	EXCELLO	BLACK SHALE	2.5	449.0	
16.5	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	1.5	451.5	
15.0	CARBONDALE		UNCLASSIFIED	27.0	453.0	

MAPID: 02701504000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 4 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.438529 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.736193 DATE COLLECTED: 7 / 0 / 1952
 SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log
 SOURCE: HAMMER,A. J. & BREHM,C.E WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
137.1	MODESTO	PIASA	LIMESTONE	6.0	343.9	
131.1	MODESTO		UNCLASSIFIED	2.5	349.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
128.6	CARBONDALE	DANVILLE	COAL	1.5	352.4	
127.1	CARBONDALE		UNCLASSIFIED	13.5	353.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
113.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	367.4	
104.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	376.9	
100.1	CARBONDALE		UNCLASSIFIED	4.0	380.9	SHALE ABOVE BRERETON LIMESTONE
96.1	CARBONDALE	BRERETON	LIMESTONE	2.3	384.9	
93.8	CARBONDALE	ANNA	BLACK SHALE	2.8	387.2	
91.0	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02701504000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 4 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.438529 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.736193 DATE COLLECTED:

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
139.0	MODESTO	PIASA	LIMESTONE	6.0	342.0
133.0	MODESTO		SHALE	12.0	348.0
121.0	CARBONDALE	DANVILLE	BONE COAL	2.0	360.0
119.0	CARBONDALE		SHALE	5.0	362.0
114.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	367.0
105.0	CARBONDALE	LAWSON	SHALE	10.0	376.0
95.0	CARBONDALE	BRERETON	CALCAREOUS SHALE	1.0	386.0
94.0	CARBONDALE	ANNA	SHALE	3.0	387.0
91.0	CARBONDALE	HERRIN	COAL	6.0	390.0

MAPID: 02701504000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 4 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.438529 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.736193 DATE COLLECTED: 7 / 0 / 1952

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 530.0 LOG TYPE: Electric Log

SOURCE: HAMMER,A. J. & BREHM,C.E WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
128.0	MODESTO	PIASA	UNCLASSIFIED	-	353.0
109.0	CARBONDALE	SURVANT - UPPER	UNCLASSIFIED	-	372.0
88.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	393.0
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	
34.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	447.0
-16.0	CARBONDALE	SURVANT - LOWER	UNCLASSIFIED	-	497.0
-49.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	530.0

MAPID: 02701504000C **VERSION:** 4 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 4 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.438529 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.736193 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 481.0 **LOGGED (FT.):** 2391.0 **LOG TYPE:** Electric Log
SOURCE: HAMMER,A. J. & BREHM,C.E **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.0	CARBONDALE	SPRINGFIELD	COAL	-	411.0	
-45.0	CARBONDALE	COLCHESTER	COAL	-	526.0	
-420.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	901.0	
-1855.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2336.0	TOP OF NEW ALBANY
-1880.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2361.0	
-1910.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2391.0	BASE OF NEW ALBANY

MAPID: 02726519000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 4 **QUARTERS/FOOTAGES:** SW SW NE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.441424 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 38.730212 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 400.3 **LOG TYPE:** Company map
SOURCE: CARTER OIL IF-774 **WELL TYPE:** Coal Test
COMMENT: LOCATION, DATA FROM FROGTOWN B,D,F&G MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.3	393.0	

MAPID: 02726326000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 6 **QUARTERS/FOOTAGES:** 2100' N line, 650' W line of NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.479565 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.734714 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 2284.0 **LOG TYPE:** Electric Log
SOURCE: FARRAR OIL CO., INC. **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
86.0	CARBONDALE	SPRINGFIELD	COAL	-	369.0	
-39.0	CARBONDALE	COLCHESTER	COAL	-	494.0	
-401.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	856.0	
-1779.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2234.0	TOP OF NEW ALBANY
-1802.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2257.0	
-1829.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2284.0	BASE OF NEW ALBANY

MAPID: 02700013000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.457086 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.715937 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 470.8 **LOGGED (FT.):** 1050.0 **LOG TYPE:**
SOURCE: SKELLEY CI **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.8	CARBONDALE	HERRIN	COAL	8.0	386.0	

MAPID: 02700013000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 8 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.457086 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.715937 **DATE COLLECTED:** 6 / 0 / 1911
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 394.0 **LOG TYPE:** Drillers Log
SOURCE: SKELLY & CISLER **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.0	CARBONDALE	HERRIN	COAL	8.0	386.0	

MAPID: 02701505000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 9 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.440786 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.714329 **DATE COLLECTED:** 8 / 0 / 1950
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 393.0 **LOG TYPE:** Electric Log
SOURCE: SCHLAFLY H J ETAL **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	LIMESTONE	5.0	346.0	
121.0	MODESTO		UNCLASSIFIED	5.0	351.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.0	CARBONDALE		UNCLASSIFIED	11.5	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
104.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	367.5	
96.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	376.0	
92.5	CARBONDALE		UNCLASSIFIED	3.5	379.5	SHALE ABOVE BRERETON LIMESTONE
89.0	CARBONDALE	BRERETON	LIMESTONE	2.0	383.0	
87.0	CARBONDALE	ANNA	BLACK SHALE	1.0	385.0	
86.0	CARBONDALE	HERRIN	COAL	7.0	386.0	

MAPID: 02701505000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 9 QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.440786

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.714329

DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0

LOGGED (FT.): 392.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	LIMESTONE	4.0	346.0	
122.0	MODESTO		SHALE	11.0	350.0	
111.0	CARBONDALE	DANVILLE	BONE COAL	2.0	361.0	
109.0	CARBONDALE		SHALE	5.0	363.0	
104.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	368.0	
96.0	CARBONDALE	LAWSON	SHALE	10.0	376.0	
86.0	CARBONDALE	HERRIN	COAL	6.0	386.0	

MAPID: 02701505000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 9 QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.440786

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.714329

DATE COLLECTED: 8 / 0 / 1950

SURFACE ELEVATION (FT.): 472.0

LOGGED (FT.): 525.0

LOG TYPE: Electric Log

SOURCE: SCHLAFLY H J ETAL

WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	UNCLASSIFIED	-	346.0	
82.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	390.0	
20.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	452.0	
-24.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	496.0	
-53.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	525.0	

MAPID: 02702973000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.42903

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.725332

DATE COLLECTED:

SURFACE ELEVATION (FT.): 473.0

LOGGED (FT.): 916.0

LOG TYPE: Electric Log

SOURCE: ROCK HILL & PURE OIL

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.0	CARBONDALE	SPRINGFIELD	COAL	-	418.0	
-62.0	CARBONDALE	COLCHESTER	COAL	-	535.0	
-443.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	916.0	

MAPID: 02702973000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.42903 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.725332 DATE COLLECTED: 1 / 0 / 1943

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 403.0 LOG TYPE: Electric Log

SOURCE: ROCK HILL & PURE OIL WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.1	MODESTO	PIASA	LIMESTONE	6.5	348.9	
117.6	MODESTO		UNCLASSIFIED	5.5	355.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.1	CARBONDALE		UNCLASSIFIED	15.0	360.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	375.9	
87.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	385.4	
84.8	CARBONDALE		UNCLASSIFIED	2.8	388.2	SHALE ABOVE BRERETON LIMESTONE
82.0	CARBONDALE	BRERETON	LIMESTONE	2.0	391.0	
80.0	CARBONDALE	ANNA	BLACK SHALE	3.0	393.0	
77.0	CARBONDALE	HERRIN	COAL	7.0	396.0	

MAPID: 02700014000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 10 QUARTERS/FOOTAGES: SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.423095 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.715475 DATE COLLECTED: 0 / 0 / 1912

SURFACE ELEVATION (FT.): 463.7 LOGGED (FT.): 1015.0 LOG TYPE:

SOURCE: OHIO OIL WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.7	CARBONDALE	HERRIN	COAL	8.0	360.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		

MAPID: 02700014000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 10 QUARTERS/FOOTAGES: SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.423095 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.715475 DATE COLLECTED: 0 / 0 / 1912

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 368.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	CARBONDALE	HERRIN	COAL	8.0	360.0	

MAPID: 02770004000C VERSION: 1

PROJECT: NCRDS

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 10 QUARTERS/FOOTAGES: 300' S line, 320' E line
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.409916 GEOLOGIST: LOUCHIOS
 CONFIDENTIAL: N LATITUDE: 38.712719 DATE COLLECTED: 0 / 0 / 1951
 SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 919.0 LOG TYPE: Drillers Log
 SOURCE: UTAH INTERNATIONAL 07C2975 WELL TYPE: Coal Test
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
449.0			UNCLASSIFIED	180.0	0.0	
269.0			COAL	7.0	180.0	
262.0			UNCLASSIFIED	238.0	187.0	
24.0	CARBONDALE	SPRINGFIELD	COAL	4.0	425.0	
20.0	CARBONDALE		UNCLASSIFIED	91.0	429.0	
-71.0	CARBONDALE	COLCHESTER	COAL	5.0	520.0	
-76.0			UNCLASSIFIED	394.0	525.0	

MAPID: 02700434000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 11 QUARTERS/FOOTAGES: 2900' S line, 300' E line
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.391596 GEOLOGIST: J.N. PAYNE
 CONFIDENTIAL: N LATITUDE: 38.720038 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 476.9 LOGGED (FT.): 1170.0 LOG TYPE:
 SOURCE: NOEL MURPH WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.9	CARBONDALE	HERRIN	COAL	5.0	403.0	

MAPID: 02700434000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 11 QUARTERS/FOOTAGES: 2900' S line, 300' E line
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.391596 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.720038 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 482.0 LOG TYPE: Drillers Log
 SOURCE: NOELKEMPER & MURPHY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
0.0	CARBONDALE	HERRIN	COAL	5.0	477.0	

MAPID: 02701503000C **VERSION:** 1 **PROJECT:** J JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.403088 **GEOLOGIST:** J JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.71469 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 2454.0 **LOG TYPE:** Electric Log
SOURCE: HESS BEN W **WELL TYPE:** Oil and Gas Test
COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
34.0	CARBONDALE	SPRINGFIELD	COAL	-	450.0	
-58.0	CARBONDALE	COLCHESTER	COAL	-	542.0	
-473.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	957.0	
-1916.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2400.0	TOP OF NEW ALBANY
-1939.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2423.0	
-1970.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2454.0	BASE OF NEW ALBANY

MAPID: 02701503000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.403088 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.71469 **DATE COLLECTED:** 7 / 0 / 1952
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: HESS BEN W **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02701564000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' N line, 660' E line of SW NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.406585 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.72199 **DATE COLLECTED:** 5 / 0 / 1951
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: WILSON, ARNOLD **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02702978000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.403094 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.718351 **DATE COLLECTED:** 8 / 0 / 1943
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: CONREY & REA **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02703409000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.407677 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.721982 DATE COLLECTED: 11 / 0 / 1967

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 373.0 LOG TYPE: Electric Log

SOURCE: YOCUM, GEORGE F. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.0	CARBONDALE	DANVILLE	COAL	2.5	334.0	
120.5	CARBONDALE		UNCLASSIFIED	9.5	336.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
111.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	346.0	
103.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	354.0	
97.5	CARBONDALE		UNCLASSIFIED	5.5	359.5	SHALE ABOVE BRERETON LIMESTONE
92.0	CARBONDALE	BRERETON	LIMESTONE	2.0	365.0	
90.0	CARBONDALE	ANNA	BLACK SHALE	2.0	367.0	
88.0	CARBONDALE	HERRIN	COAL	4.0	369.0	

MAPID: 02725330000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 11 QUARTERS/FOOTAGES: 205' N line, 39' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.390603 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.726095 DATE COLLECTED: 10 / 30 / 1981

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 460.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-11-11C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
268.0	MODESTO	LAKE CREEK	COAL	1.0	205.0	UNCERTAIN CORRELATION
267.0	MODESTO		UNCLASSIFIED	152.0	206.0	
115.0	CARBONDALE	DANVILLE	COAL	0.5	358.0	
114.5	CARBONDALE		UNCLASSIFIED	101.5	358.5	HERRIN COAL CUTOUT BY WALSHVILLE CHANNEL

MAPID: 02725331000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 11 QUARTERS/FOOTAGES: 50' S line, 1640' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.403007 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.712078 DATE COLLECTED: 11 / 2 / 1981

SURFACE ELEVATION (FT.): LOGGED (FT.): 460.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-11-25C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNCONSOLIDATED	102.0	0.0	
-	BOND	CARTHAGE	LIMESTONE	8.0	102.0	
-	MODESTO	NEW HAVEN	BLACK SHALE	8.0	110.0	
-	MODESTO		UNCLASSIFIED	89.0	118.0	
-	MODESTO	LAKE CREEK	COAL	1.0	207.0	UNCERTAIN CORRELATION
-	MODESTO		UNCLASSIFIED	123.0	208.0	
-	MODESTO		LIMESTONE	2.0	331.0	
-	MODESTO		UNCLASSIFIED	29.0	333.0	
-	CARBONDALE	DANVILLE	COAL	1.0	362.0	
-	CARBONDALE		UNCLASSIFIED	17.0	363.0	
-	CARBONDALE	ENERGY	SILTSTONE & SHALE	20.0	380.0	
-	CARBONDALE	HERRIN	SHALE	0.0	400.0	COAL CUTOUT BY CHANNEL
-	CARBONDALE		SILTSTONE & SHALE	60.0	400.0	WALSHVILLE CHANNEL

MAPID: 02700427000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: 2375' S line, 950' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.375219 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.718611 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 474.4 LOGGED (FT.): 1169.0 LOG TYPE:

SOURCE: KESL ETAL WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.4	CARBONDALE	HERRIN	COAL	2.0	390.0	

MAPID: 02701381000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 110' W line of NW SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.385461 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.722078 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 401.0 LOG TYPE: Electric Log

SOURCE: ABBOTT, KNOX WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
120.0	MODESTO	PIASA	LIMESTONE	5.5	350.0	
114.5	MODESTO		UNCLASSIFIED	3.5	355.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
111.0	CARBONDALE	DANVILLE	COAL	2.0	359.0	
109.0	CARBONDALE		UNCLASSIFIED	14.0	361.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	375.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	384.0	
82.5	CARBONDALE		UNCLASSIFIED	3.5	387.5	SHALE ABOVE BRERETON LIMESTONE
79.0	CARBONDALE	BRERETON	LIMESTONE	2.0	391.0	
77.0	CARBONDALE	ANNA	BLACK SHALE	2.0	393.0	
75.0	CARBONDALE	HERRIN	COAL	6.0	395.0	

MAPID: 02701507000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380099 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.712962 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
126.0	MODESTO	PIASA	LIMESTONE	4.0	340.0	
122.0	MODESTO		UNCLASSIFIED	7.0	344.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.0	CARBONDALE	DANVILLE	COAL	1.0	351.0	
114.0	CARBONDALE		UNCLASSIFIED	16.0	352.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
98.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	368.0	
90.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	376.0	
86.0	CARBONDALE		UNCLASSIFIED	4.0	380.0	SHALE ABOVE BRERETON LIMESTONE
82.0	CARBONDALE	BRERETON	LIMESTONE	3.5	384.0	
78.5	CARBONDALE	ANNA	BLACK SHALE	2.5	387.5	
76.0	CARBONDALE	HERRIN	COAL	6.0	390.0	

MAPID: 02702983000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.375405 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.71478 **DATE COLLECTED:** 6 / 0 / 1951
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 400.0 **LOG TYPE:** Electric Log
SOURCE: CONREY, T. M. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.0	CARBONDALE	HERRIN	COAL	5.0	395.0	

MAPID: 02702987000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.375381 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.718413 **DATE COLLECTED:** 9 / 0 / 1946
SURFACE ELEVATION (FT.): 471.0 **LOGGED (FT.):** 404.5 **LOG TYPE:** Electric Log
SOURCE: KESL JOE JR ETAL **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.5	MODESTO	PIASA	LIMESTONE	3.0	354.5	
113.5	MODESTO		UNCLASSIFIED	6.5	357.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
107.0	CARBONDALE	DANVILLE	COAL	1.5	364.0	
105.5	CARBONDALE		UNCLASSIFIED	11.0	365.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
94.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	376.5	
88.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	382.5	
82.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	388.5	
80.5	CARBONDALE		UNCLASSIFIED	5.0	390.5	SHALE ABOVE BRERETON LIMESTONE
75.5	CARBONDALE	BRERETON	LIMESTONE	2.0	395.5	
73.5	CARBONDALE	ANNA	BLACK SHALE	1.5	397.5	
72.0	CARBONDALE	HERRIN	COAL	5.5	399.0	

MAPID: 02702989000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.384706 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.72025 **DATE COLLECTED:** 3 / 0 / 1951
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 400.0 **LOG TYPE:** Electric Log
SOURCE: WEDER H **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.0	CARBONDALE	HERRIN	COAL	9.0	391.0	

MAPID: 02702990000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.387114 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.712956 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 385.5 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.0	MODESTO	PIASA	LIMESTONE	3.0	333.0	
120.0	MODESTO		UNCLASSIFIED	4.0	336.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.0	CARBONDALE	DANVILLE	COAL	1.5	340.0	
114.5	CARBONDALE		UNCLASSIFIED	15.5	341.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	357.0	
91.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	365.0	
87.0	CARBONDALE		UNCLASSIFIED	4.0	369.0	SHALE ABOVE BRERETON LIMESTONE
83.0	CARBONDALE	BRERETON	LIMESTONE	3.0	373.0	
80.0	CARBONDALE	ANNA	BLACK SHALE	2.0	376.0	
78.0	CARBONDALE	HERRIN	COAL	7.5	378.0	

MAPID: 02702990000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.387114 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.712956 DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 387.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
129.0	MODESTO	PIASA	LIMESTONE	7.0	328.0	
122.0	MODESTO		SHALE	11.0	335.0	
111.0	CARBONDALE	DANVILLE	COAL	4.0	346.0	
107.0	CARBONDALE		SHALE	8.0	350.0	
99.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	358.0	
92.0	CARBONDALE	LAWSON	SHALE	9.0	365.0	
83.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	374.0	
80.0	CARBONDALE	ANNA	SHALE	3.0	377.0	
77.0	CARBONDALE	HERRIN	COAL	7.0	380.0	

MAPID: 02702993000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: 990' S line, 330' E line of NE NE

QUADRANGLE: KEYESPORT LONGITUDE: -89.373 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.725682 DATE COLLECTED: 12 / 0 / 1949

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log

SOURCE: WELLMAN WALTER C WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
75.0	CARBONDALE	HERRIN	COAL	4.0	390.0	

MAPID: 02725136000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: 2630' N line, 70' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.3903 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.719402 DATE COLLECTED: 10 / 28 / 1980

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 420.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI80-12-20 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
476.0			UNCONSOLIDATED	71.0	0.0	
405.0	BOND	CARTHAGE	LIMESTONE	8.0	71.0	
397.0	MODESTO		UNCLASSIFIED	47.0	79.0	
350.0	MODESTO	CHAPEL	BLACK SHALE	6.0	126.0	
344.0	MODESTO		UNCLASSIFIED	30.0	132.0	
314.0	MODESTO		BLACK SHALE	6.0	162.0	
308.0	MODESTO		UNCLASSIFIED	58.0	168.0	
250.0	MODESTO	LAKE CREEK	COAL	1.2	226.0	
248.8	MODESTO		UNCLASSIFIED	121.7	227.2	
127.1	MODESTO	PIASA	LIMESTONE	2.0	348.9	
125.1	MODESTO		SHALE	2.1	350.9	
123.0	MODESTO		LIMESTONE	0.7	353.0	
122.3	MODESTO		UNCLASSIFIED	15.3	353.7	
107.0	CARBONDALE	DANVILLE	COAL	1.0	369.0	
106.0	CARBONDALE		UNCLASSIFIED	2.0	370.0	
104.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.3	372.0	
95.7	CARBONDALE		UNCLASSIFIED	5.5	380.3	
90.2	CARBONDALE	JAMESTOWN	COAL	0.4	385.8	
89.8	CARBONDALE		UNCLASSIFIED	10.8	386.2	
79.0	CARBONDALE	BRERETON	LIMESTONE	0.7	397.0	ARGILLACEOUS
78.3	CARBONDALE	HERRIN	COAL	7.1	397.7	
71.2	CARBONDALE		UNCLASSIFIED	15.2	404.8	

MAPID: 02725137000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: 52' S line, 2690' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.381157 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.712193 DATE COLLECTED: 10 / 29 / 1980

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 417.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI80-12-21 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
461.0			UNCONSOLIDATED	40.0	0.0
421.0	MODESTO		UNCLASSIFIED	70.0	40.0
351.0	MODESTO	CHAPEL	BLACK SHALE	2.5	110.0
348.5	MODESTO		UNCLASSIFIED	102.5	112.5
246.0	MODESTO		BLACK SHALE	1.0	215.0
245.0	MODESTO		UNCLASSIFIED	2.0	216.0
243.0	MODESTO	LAKE CREEK	COAL	1.0	218.0
242.0	MODESTO		UNCLASSIFIED	126.0	219.0
116.0	MODESTO	PIASA	LIMESTONE	4.0	345.0
112.0	MODESTO		UNCLASSIFIED	13.0	349.0
99.0	CARBONDALE	DANVILLE	COAL	1.0	362.0
98.0	CARBONDALE		UNCLASSIFIED	5.5	363.0
92.5	CARBONDALE	BANKSTON FORK	LIMESTONE	5.5	368.5
87.0	CARBONDALE		UNCLASSIFIED	7.0	374.0
80.0	CARBONDALE	JAMESTOWN	COAL	1.0	381.0
79.0	CARBONDALE		UNCLASSIFIED	10.2	382.0
68.8	CARBONDALE	HERRIN	COAL	6.9	392.2
61.9	CARBONDALE		UNCLASSIFIED	17.9	399.1

MAPID: 02725332000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 12 QUARTERS/FOOTAGES: 40' N line, 2660' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.38121 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.726508 DATE COLLECTED: 11 / 1 / 1981

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 435.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-12-24C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
353.0	MODESTO		LIMESTONE	6.0	114.0
347.0	MODESTO		SHALE	8.0	120.0
339.0	MODESTO		LIMESTONE	6.0	128.0
333.0	MODESTO		UNCLASSIFIED	96.0	134.0
237.0	MODESTO	LAKE CREEK	COAL	1.5	230.0
235.5	MODESTO		UNCLASSIFIED	129.5	231.5
106.0	MODESTO	PIASA	LIMESTONE	3.0	361.0
103.0	MODESTO		UNCLASSIFIED	14.0	364.0
89.0	CARBONDALE	DANVILLE	COAL	1.5	378.0
87.5	CARBONDALE		UNCLASSIFIED	3.5	379.5
84.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	383.0
77.0	CARBONDALE		UNCLASSIFIED	9.0	390.0
68.0	CARBONDALE	BRERETON	LIMESTONE	3.5	399.0
64.5	CARBONDALE		SHALE	2.5	402.5
62.0	CARBONDALE	HERRIN	COAL	7.0	405.0
55.0	CARBONDALE		UNCLASSIFIED	4.0	412.0
51.0	CARBONDALE		LIMESTONE	4.0	416.0
47.0	CARBONDALE		UNCLASSIFIED	15.0	420.0

MAPID: 02701502000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: 405' N line, 330' W line of NE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.375426 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.710914 DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 2469.0 LOG TYPE: Electric Log

SOURCE: MCBRIDE W C, INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN COMMENT	
31.0	CARBONDALE	SPRINGFIELD	COAL	-	434.0	
-65.0	CARBONDALE	COLCHESTER	COAL	-	530.0	
-493.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	958.0	
-1947.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2412.0	TOP OF NEW ALBANY
-1971.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2436.0	
-2004.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2469.0	BASE OF NEW ALBANY

MAPID: 02702835000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.38478 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.709328 DATE COLLECTED: 7 / 0 / 1964

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.5	CARBONDALE		UNCLASSIFIED	17.0	347.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
89.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	364.5	
80.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	374.0	
74.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	380.0	
73.0	CARBONDALE		UNCLASSIFIED	4.0	381.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	2.5	385.0	
66.5	CARBONDALE	ANNA	BLACK SHALE	2.5	387.5	
64.0	CARBONDALE	HERRIN	COAL	7.0	390.0	

MAPID: 02702994000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380104 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.707504 DATE COLLECTED: 6 / 0 / 1950

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: WILLIAMS POLK WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.5	MODESTO	PIASA	LIMESTONE	3.5	345.5	
115.0	MODESTO		UNCLASSIFIED	3.0	349.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.0	CARBONDALE	DANVILLE	COAL	1.0	352.0	
111.0	CARBONDALE		UNCLASSIFIED	12.0	353.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
99.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	365.0	
91.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	7.0	373.0	
84.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	380.0	
81.0	CARBONDALE		UNCLASSIFIED	2.5	383.0	SHALE ABOVE BRERETON LIMESTONE
78.5	CARBONDALE	BRERETON	LIMESTONE	4.0	385.5	
74.5	CARBONDALE	ANNA	BLACK SHALE	1.5	389.5	
73.0	CARBONDALE	HERRIN	COAL	6.0	391.0	

MAPID: 02702995000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.389434 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.707514 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 414.5 LOG TYPE: Electric Log

SOURCE: BOSTON, HARRY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
104.0	MODESTO	PIASA	LIMESTONE	4.0	359.0	
100.0	MODESTO		UNCLASSIFIED	5.5	363.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
94.5	CARBONDALE		UNCLASSIFIED	15.0	368.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
79.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	383.5	
70.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	392.5	
65.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	397.5	
64.5	CARBONDALE		UNCLASSIFIED	4.0	398.5	SHALE ABOVE BRERETON LIMESTONE
60.5	CARBONDALE	BRERETON	LIMESTONE	1.5	402.5	
59.0	CARBONDALE	ANNA	BLACK SHALE	3.0	404.0	
56.0	CARBONDALE	HERRIN	COAL	7.5	407.0	

MAPID: 02702995000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.389434 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.707514 DATE COLLECTED:

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 418.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO	PIASA	LIMESTONE	3.0	363.0	
100.0	MODESTO		SHALE	12.0	366.0	
88.0	CARBONDALE	DANVILLE	COAL	4.0	378.0	
84.0	CARBONDALE		SHALE	4.0	382.0	
80.0	CARBONDALE	BANKSTON FORK	LIMESTONE	10.0	386.0	
70.0	CARBONDALE	LAWSON	SHALE	14.0	396.0	
56.0	CARBONDALE	HERRIN	COAL	8.0	410.0	

MAPID: 02702996000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380105 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.711124 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.5	MODESTO	PIASA	LIMESTONE	6.5	346.5	
109.0	MODESTO		UNCLASSIFIED	4.5	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
104.5	CARBONDALE	DANVILLE	COAL	1.0	357.5	
103.5	CARBONDALE		UNCLASSIFIED	19.5	358.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
84.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	378.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	387.0	
71.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	391.0	
70.0	CARBONDALE		UNCLASSIFIED	3.5	392.0	SHALE ABOVE BRERETON LIMESTONE
66.5	CARBONDALE	BRERETON	LIMESTONE	2.0	395.5	
64.5	CARBONDALE	ANNA	BLACK SHALE	2.5	397.5	
62.0	CARBONDALE	HERRIN	COAL	8.0	400.0	

MAPID: 02703000000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE

QUADRANGLE: KEYESPORT LONGITUDE: -89.37312 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.703889 DATE COLLECTED: 12 / 0 / 1941

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: NEWTON & WARD WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
67.0	CARBONDALE	HERRIN	COAL	5.0	392.0	

MAPID: 02725333000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 13 QUARTERS/FOOTAGES: 1880' N line, 65' E line

QUADRANGLE: KEYESPORT LONGITUDE: -89.372164 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.706839 DATE COLLECTED: 11 / 12 / 1981

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 440.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-13-30C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
462.0			UNCONSOLIDATED	36.0	0.0	
426.0	BOND	CARTHAGE	LIMESTONE	8.0	36.0	
418.0	MODESTO	NEW HAVEN	BLACK SHALE	6.0	44.0	
412.0	MODESTO		UNCLASSIFIED	72.0	50.0	
340.0	MODESTO	CHAPEL	SHALE	6.0	122.0	
334.0	MODESTO		UNCLASSIFIED	100.0	128.0	
234.0	MODESTO	LAKE CREEK	COAL	2.0	228.0	UNCERTAIN CORRELATION
232.0	MODESTO		UNCLASSIFIED	121.0	230.0	
111.0	MODESTO	PIASA	LIMESTONE	3.0	351.0	
108.0	MODESTO		UNCLASSIFIED	1.0	354.0	
107.0	CARBONDALE	DANVILLE	COAL	4.0	355.0	
103.0	CARBONDALE		UNCLASSIFIED	12.5	359.0	
90.5	CARBONDALE		COAL	0.5	371.5	
90.0	CARBONDALE		UNCLASSIFIED	2.0	372.0	
88.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	374.0	
82.0	CARBONDALE		UNCLASSIFIED	14.0	380.0	
68.0	CARBONDALE	BRERETON	LIMESTONE	4.0	394.0	
64.0	CARBONDALE	HERRIN	COAL	6.0	398.0	
58.0	CARBONDALE		UNCLASSIFIED	36.0	404.0	

MAPID: 02701508000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.396237 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.69844 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 987.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-100.0	CARBONDALE	COLCHESTER	COAL	-	561.0	
-526.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	987.0	

MAPID: 02701508000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.396237 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.69844 **DATE COLLECTED:** 5 / 0 / 1950
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: SCHIERMANN, AL **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02703002000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW NE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.398521 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.70745 **DATE COLLECTED:** 10 / 0 / 1950
SURFACE ELEVATION (FT.): 464.0 **LOGGED (FT.):** 403.0 **LOG TYPE:** Electric Log
SOURCE: WILSON, ARNOLD **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	CARBONDALE	HERRIN	COAL	8.0	395.0	

MAPID: 02703005000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.391715 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.70208 **DATE COLLECTED:** 3 / 0 / 1950
SURFACE ELEVATION (FT.): 479.0 **LOGGED (FT.):** 447.0 **LOG TYPE:** Electric Log
SOURCE: DUNNILL, JOHN F. OIL CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	CARBONDALE		UNCLASSIFIED	6.0	410.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
63.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	416.0	
53.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	425.5	
49.0	CARBONDALE		UNCLASSIFIED	4.0	430.0	SHALE ABOVE BRERETON LIMESTONE
45.0	CARBONDALE	BRERETON	LIMESTONE	2.5	434.0	
42.5	CARBONDALE	ANNA	BLACK SHALE	3.5	436.5	
39.0	CARBONDALE	HERRIN	COAL	7.0	440.0	

MAPID: 02703008000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.391793 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.711119 DATE COLLECTED: 12 / 0 / 1950

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.5	MODESTO	PIASA	LIMESTONE	2.5	343.5	
116.0	MODESTO		UNCLASSIFIED	3.0	346.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
113.0	CARBONDALE	DANVILLE	COAL	1.0	349.0	
112.0	CARBONDALE		UNCLASSIFIED	15.0	350.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	365.0	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.5	374.0	
82.5	CARBONDALE		UNCLASSIFIED	4.0	379.5	SHALE ABOVE BRERETON LIMESTONE
78.5	CARBONDALE	BRERETON	LIMESTONE	2.0	383.5	
76.5	CARBONDALE	ANNA	BLACK SHALE	2.5	385.5	
74.0	CARBONDALE	HERRIN	COAL	8.0	388.0	

MAPID: 02703011000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.398561 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.709267 DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 399.5 LOG TYPE: Electric Log

SOURCE: HESS BEN W WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
117.0	MODESTO	PIASA	LIMESTONE	2.5	346.0	
114.5	MODESTO		UNCLASSIFIED	4.0	348.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.5	CARBONDALE	DANVILLE	COAL	1.0	352.5	
109.5	CARBONDALE		UNCLASSIFIED	14.5	353.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	368.0	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	375.0	
83.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	380.0	
81.0	CARBONDALE		UNCLASSIFIED	5.0	382.0	SHALE ABOVE BRERETON LIMESTONE
76.0	CARBONDALE	BRERETON	LIMESTONE	3.0	387.0	
73.0	CARBONDALE	ANNA	BLACK SHALE	2.0	390.0	
71.0	CARBONDALE	HERRIN	COAL	7.5	392.0	

MAPID: 02703011000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.398561

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.709267

DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0

LOGGED (FT.): 404.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	CALCAREOUS SHALE	12.0	350.0	
103.0	CARBONDALE		SHALE	9.0	362.0	
94.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	371.0	
88.0	CARBONDALE	LAWSON	SHALE	8.0	377.0	
80.0	CARBONDALE	BRERETON	CALCAREOUS SHALE	3.0	385.0	
77.0	CARBONDALE	ANNA	SHALE	6.0	388.0	
71.0	CARBONDALE	HERRIN	COAL	10.0	394.0	

MAPID: 02703014000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.398544

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.711064

DATE COLLECTED: 1 / 0 / 1951

SURFACE ELEVATION (FT.): 467.0

LOGGED (FT.): 406.0

LOG TYPE: Electric Log

SOURCE: HESS BEN W

WELL TYPE: Water Injection

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	CARBONDALE		UNCLASSIFIED	6.0	370.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	376.0	
83.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	384.0	
78.5	CARBONDALE	CONANT	UNCLASSIFIED	1.5	388.5	
77.0	CARBONDALE		UNCLASSIFIED	5.0	390.0	SHALE ABOVE BRERETON LIMESTONE
72.0	CARBONDALE	BRERETON	LIMESTONE	2.0	395.0	
70.0	CARBONDALE	ANNA	BLACK SHALE	1.0	397.0	
69.0	CARBONDALE	HERRIN	COAL	8.0	398.0	

MAPID: 02703015000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.400827

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.703825

DATE COLLECTED: 9 / 0 / 1950

SURFACE ELEVATION (FT.): 462.0

LOGGED (FT.): 0.0

LOG TYPE: Electric Log

SOURCE: POWELL GRAHAM

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02725334000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: 1280' S line, 1066' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.404992 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.701026 DATE COLLECTED: 11 / 14 / 1981

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 479.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-14-26C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
476.0			UNCONSOLIDATED	60.0	0.0	
416.0	BOND	CARTHAGE	LIMESTONE	0.0	60.0	
416.0	MODESTO		UNCLASSIFIED	79.0	60.0	
337.0	MODESTO	CHAPEL	SHALE	5.0	139.0	PROBABLY BLACK
332.0	MODESTO		UNCLASSIFIED	97.0	144.0	
235.0	MODESTO	LAKE CREEK	COAL	1.0	241.0	
234.0	MODESTO		UNCLASSIFIED	9.0	242.0	
225.0	MODESTO		LIMESTONE	3.0	251.0	
222.0	MODESTO		UNCLASSIFIED	75.5	254.0	
146.5	MODESTO		LIMESTONE	0.5	329.5	
146.0	MODESTO		UNCLASSIFIED	64.0	330.0	PIASA LS ABSENT
82.0	CARBONDALE	DANVILLE	COAL	1.0	394.0	
81.0	CARBONDALE		UNCLASSIFIED	11.0	395.0	
70.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	406.0	
69.0	CARBONDALE		UNCLASSIFIED	21.0	407.0	
48.0	CARBONDALE	HERRIN	COAL	8.0	428.0	
40.0	CARBONDALE		UNCLASSIFIED	43.0	436.0	

MAPID: 02725336000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: 1220' S line, 1060' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.394278 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.700906 DATE COLLECTED: 11 / 18 / 1981

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 459.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
348.0	MODESTO	CHAPEL	SHALE	8.0	128.0	PROBABLY BLACK
340.0	MODESTO		UNCLASSIFIED	104.0	136.0	
236.0	MODESTO	LAKE CREEK	BLACK SHALE	1.0	240.0	UNCERTAIN CORRELATION
235.0	MODESTO		UNCLASSIFIED	10.0	241.0	
225.0	MODESTO		LIMESTONE	3.0	251.0	
222.0	MODESTO		UNCLASSIFIED	142.0	254.0	
80.0	CARBONDALE	DANVILLE	COAL	2.0	396.0	PIASA LS. INTERVAL ABOUT 386
78.0	CARBONDALE		UNCLASSIFIED	12.0	398.0	
66.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	410.0	
62.0	CARBONDALE		UNCLASSIFIED	17.0	414.0	
45.0	CARBONDALE	HERRIN	COAL	9.0	431.0	
36.0	CARBONDALE		UNCLASSIFIED	19.0	440.0	

MAPID: 02770003000C VERSION: 1

PROJECT: NCRDS

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 14 QUARTERS/FOOTAGES: 340' N line, 2350' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.4005 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 38.711022 DATE COLLECTED: 0 / 0 / 1951

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 1031.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 10C3001 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
468.0			UNCLASSIFIED	557.0	0.0	
-89.0	CARBONDALE	COLCHESTER	COAL	8.0	557.0	
-97.0			UNCLASSIFIED	466.0	565.0	

MAPID: 02701509000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 15 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.419519 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.709148 DATE COLLECTED: 4 / 0 / 1950

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 399.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
117.0	MODESTO	PIASA	LIMESTONE	4.0	349.0	
113.0	MODESTO		UNCLASSIFIED	4.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
109.0	CARBONDALE		UNCLASSIFIED	12.5	357.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	369.5	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	378.0	
84.0	CARBONDALE		UNCLASSIFIED	4.0	382.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	2.0	386.0	
78.0	CARBONDALE	ANNA	BLACK SHALE	3.0	388.0	
75.0	CARBONDALE	HERRIN	COAL	8.0	391.0	

MAPID: 02701509000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 15 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.419519 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.709148 DATE COLLECTED:

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 360.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
156.0	MODESTO	PIASA	LIMESTONE	2.0	310.0	
154.0	MODESTO		SHALE	11.0	312.0	
143.0	CARBONDALE	DANVILLE	COAL	3.0	323.0	
140.0	CARBONDALE		SHALE	4.0	326.0	
136.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	330.0	
130.0	CARBONDALE	LAWSON	SHALE	10.0	336.0	
120.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	346.0	
118.0	CARBONDALE	ANNA	SHALE	2.0	348.0	
116.0	CARBONDALE	HERRIN	COAL	10.0	350.0	

MAPID: 02770002000C VERSION: 1

PROJECT: NCRDS

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 15 QUARTERS/FOOTAGES: 1600' S line, 1070' E line
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.41252 GEOLOGIST: LOUCHIOS
 CONFIDENTIAL: N LATITUDE: 38.701857 DATE COLLECTED: 0 / 0 / 1950
 SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 841.0 LOG TYPE: Drillers Log
 SOURCE: UTAH INTERNATIONAL 11C3016 WELL TYPE: Coal Test
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
476.0			NO RECORD	150.0	0.0	
326.0			SHALE	94.0	150.0	
232.0			COAL	2.0	244.0	
230.0			UNCLASSIFIED	595.0	246.0	

MAPID: 02701267000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 16 QUARTERS/FOOTAGES: SW NE SW
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.440807 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.701574 DATE COLLECTED: 7 / 0 / 1956
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 393.0 LOG TYPE: Electric Log
 SOURCE: CARTER JAMES E WELL TYPE: Dry Hole
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.0	MODESTO	PIASA	LIMESTONE	4.0	342.0	
119.0	MODESTO		UNCLASSIFIED	5.0	346.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
114.0	CARBONDALE	DANVILLE	COAL	1.0	351.0	
113.0	CARBONDALE		UNCLASSIFIED	12.0	352.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	364.0	
92.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	373.0	
88.0	CARBONDALE		UNCLASSIFIED	4.0	377.0	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	2.0	381.0	
82.0	CARBONDALE	ANNA	BLACK SHALE	3.0	383.0	
79.0	CARBONDALE	HERRIN	COAL	7.0	386.0	

MAPID: 02701267000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 16 QUARTERS/FOOTAGES: SW NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.440807

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.701574

DATE COLLECTED:

SURFACE ELEVATION (FT.): 465.0

LOGGED (FT.): 395.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
122.0	MODESTO	PIASA	LIMESTONE	4.0	343.0
118.0	MODESTO		SHALE	13.0	347.0
105.0	CARBONDALE		SHALE	7.0	360.0
98.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	367.0
93.0	CARBONDALE	LAWSON	SHALE	13.0	372.0
80.0	CARBONDALE	HERRIN	COAL	10.0	385.0

MAPID: 02701501000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 16 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.436109

GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.707129

DATE COLLECTED:

SURFACE ELEVATION (FT.): 475.0

LOGGED (FT.): 941.0

LOG TYPE: Electric Log

SOURCE: WELKER OIL CO., LTD.

WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
55.0	CARBONDALE	SPRINGFIELD	COAL	-	420.0
-29.0	CARBONDALE	COLCHESTER	COAL	-	504.0
-466.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	941.0

MAPID: 02701501000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 16 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.436109 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.707129 DATE COLLECTED: 2 / 0 / 1955

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 409.0 LOG TYPE: Electric Log

SOURCE: WELKER OIL CO., LTD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.1	MODESTO	PIASA	LIMESTONE	3.5	359.9	
111.6	MODESTO		UNCLASSIFIED	5.0	363.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
106.6	CARBONDALE	DANVILLE	COAL	1.5	368.4	
105.1	CARBONDALE		UNCLASSIFIED	12.0	369.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
93.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	381.9	
83.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.3	391.9	
79.8	CARBONDALE		UNCLASSIFIED	3.3	395.2	SHALE ABOVE BRERETON LIMESTONE
76.5	CARBONDALE	BRERETON	LIMESTONE	1.5	398.5	
75.0	CARBONDALE	ANNA	BLACK SHALE	2.0	400.0	
73.0	CARBONDALE	HERRIN	COAL	7.0	402.0	

MAPID: 02703019000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 16 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.445492 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.70331 DATE COLLECTED: 7 / 0 / 1943

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 388.0 LOG TYPE: Electric Log

SOURCE: CURTIS & DORSEY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	CARBONDALE	HERRIN	COAL	5.0	383.0	

MAPID: 02700017000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 17 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.459366 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.697579 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 466.5 LOGGED (FT.): 2430.0 LOG TYPE:

SOURCE: OHIO OIL 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
73.5	CARBONDALE	HERRIN	COAL	-	393.0	DEPTH UNCERTAIN

MAPID: 02700017000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 17 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.459366 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.697579 DATE COLLECTED: 10 / 0 / 1911

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 398.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
74.0	CARBONDALE	HERRIN	COAL	5.0	393.0	

MAPID: 02700018000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 18 QUARTERS/FOOTAGES: 1350' S line, 250' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.466037 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.700295 DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.8 LOGGED (FT.): 1071.0 LOG TYPE:

SOURCE: OHIO OIL 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.8	CARBONDALE	HERRIN	COAL	7.0	409.0	

MAPID: 02700018000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 18 QUARTERS/FOOTAGES: 1350' S line, 250' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.466037 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.700295 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 416.0 LOG TYPE: Drillers Log

SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.0	CARBONDALE	HERRIN	COAL	7.0	409.0	

MAPID: 02725132000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 19 QUARTERS/FOOTAGES: 2560' N line, 66' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.480333 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.689766 DATE COLLECTED: 11 / 5 / 1980

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 452.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI80-19-23 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
473.0			UNCONSOLIDATED	20.0	0.0	
453.0	BOND		UNCLASSIFIED	49.0	20.0	
404.0	BOND	CARTHAGE	LIMESTONE	9.0	69.0	
395.0	MODESTO	NEW HAVEN	BLACK SHALE	2.5	78.0	
392.5	MODESTO		UNCLASSIFIED	73.0	80.5	
319.5	MODESTO	CHAPEL	BLACK SHALE	3.0	153.5	
316.5	MODESTO		UNCLASSIFIED	108.5	156.5	
208.0	MODESTO		BLACK SHALE	3.0	265.0	
205.0	MODESTO	LAKE CREEK	COAL	1.5	268.0	UNCERTAIN CORRELATION
203.5	MODESTO		UNCLASSIFIED	119.5	269.5	
84.0	MODESTO	PIASA	LIMESTONE	4.0	389.0	
80.0	MODESTO		UNCLASSIFIED	11.0	393.0	
69.0	CARBONDALE	DANVILLE	COAL	2.0	404.0	
67.0	CARBONDALE		UNCLASSIFIED	1.0	406.0	
66.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	407.0	
58.0	CARBONDALE		UNCLASSIFIED	5.0	415.0	
53.0	CARBONDALE	BRERETON	LIMESTONE	11.0	420.0	VERY SHALY APPEARING ON E-LOG
42.0	CARBONDALE	ANNA	BLACK SHALE	1.5	431.0	
40.5	CARBONDALE	HERRIN	COAL	7.0	432.5	
33.5	CARBONDALE		UNCLASSIFIED	12.5	439.5	

MAPID: 0277000000C VERSION: 1

PROJECT: NCRDS

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 19 QUARTERS/FOOTAGES: 2280' N line, 380' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.466524 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 38.690282 DATE COLLECTED: 0 / 0 / 1951

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 880.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 15C3020 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
465.0				450.0	0.0	
15.0	CARBONDALE		COAL	4.0	450.0	
11.0	CARBONDALE		SHALE	41.0	454.0	
-30.0	CARBONDALE		COAL	5.0	495.0	
-35.0	CARBONDALE		SHALE	11.0	500.0	
-46.0	CARBONDALE		SHALE	28.0	511.0	FOSSILS
-74.0	CARBONDALE	COLCHESTER	COAL	5.0	539.0	
-79.0			UNCLASSIFIED	336.0	544.0	

MAPID: 02701166000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.45708 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.690447 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 2372.0 LOG TYPE: Electric Log

SOURCE: DIXON FREHLING PROD WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
51.0	CARBONDALE	SPRINGFIELD	COAL	-	412.0	
-79.0	CARBONDALE	COLCHESTER	COAL	-	542.0	
-455.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	918.0	
-1861.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2324.0	TOP OF NEW ALBANY
-1878.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2341.0	
-1909.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2372.0	BASE OF NEW ALBANY

MAPID: 02701166000C VERSION: 2

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.45708 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.690447 DATE COLLECTED: 12 / 0 / 1955

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 780.0 LOG TYPE: Electric Log

SOURCE: DIXON FREHLING PROD WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
222.0	MODESTO	WEST FRANKLIN	UNCLASSIFIED	-	244.0	
98.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	368.0	
62.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	404.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO IDENTIFIABLE HORIZON
3.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	463.0	
-42.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	508.0	
-81.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	547.0	
-314.0	BASE OF PENN.		UNCLASSIFIED	-	780.0	

MAPID: 02701326000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.445492 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.6942 DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 417.0 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
90.5	CARBONDALE		UNCLASSIFIED	9.5	378.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
81.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	388.0	
74.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	8.0	395.0	
66.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	403.0	
64.0	CARBONDALE		UNCLASSIFIED	3.5	405.0	SHALE ABOVE BRERETON LIMESTONE
60.5	CARBONDALE	BRERETON	LIMESTONE	1.0	408.5	
59.5	CARBONDALE	ANNA	BLACK SHALE	2.5	409.5	
57.0	CARBONDALE	HERRIN	COAL	5.0	412.0	

MAPID: 02702033000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 21 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.429158 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.692722 DATE COLLECTED: 12 / 0 / 1963

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 397.5 LOG TYPE: Electric Log

SOURCE: IL LEASE OPERATING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.5	MODESTO	PIASA	LIMESTONE	3.5	350.5	
105.0	MODESTO		UNCLASSIFIED	4.5	354.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.5	CARBONDALE		UNCLASSIFIED	10.5	358.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	369.0	
82.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	376.5	
78.5	CARBONDALE	CONANT	UNCLASSIFIED	2.5	380.5	
76.0	CARBONDALE		UNCLASSIFIED	5.0	383.0	SHALE ABOVE BRERETON LIMESTONE
71.0	CARBONDALE	BRERETON	LIMESTONE	2.0	388.0	
69.0	CARBONDALE	ANNA	BLACK SHALE	2.0	390.0	
67.0	CARBONDALE	HERRIN	COAL	5.5	392.0	

MAPID: 02702033000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 21 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.429158 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.692722 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 401.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	3.0	355.0	
105.0	MODESTO		SHALE	8.0	358.0	
97.0	CARBONDALE		SHALE	7.0	366.0	
90.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	373.0	
85.0	CARBONDALE	LAWSON	SHALE	8.0	378.0	
77.0	CARBONDALE	BRERETON	CALCAREOUS SHALE	3.0	386.0	
74.0	CARBONDALE	ANNA	SHALE	3.0	389.0	
71.0	CARBONDALE	HERRIN	COAL	9.0	392.0	

MAPID: 02725716000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.443146 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.685174 DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 2410.0 LOG TYPE: Electric Log

SOURCE: DUNNILL JOHN E WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
44.0	CARBONDALE	SPRINGFIELD	COAL	-	425.0	
-86.0	CARBONDALE	COLCHESTER	COAL	-	555.0	
-481.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	950.0	
-1892.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2361.0	TOP OF NEW ALBANY
-1911.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2380.0	
-1941.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2410.0	BASE OF NEW ALBANY

MAPID: 02700428000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 22 QUARTERS/FOOTAGES: 100' S line, 50' E line of NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.418582 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.694018 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 1150.0 LOG TYPE:

SOURCE: SAPPINGTON WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.0	CARBONDALE	HERRIN	COAL	10.0	410.0	

MAPID: 02700428000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 22 QUARTERS/FOOTAGES: 100' S line, 50' E line of NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.418582 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.694018 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 419.0 LOG TYPE: Drillers Log

SOURCE: SAPPINGTON, ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
55.0	CARBONDALE	HERRIN	COAL	9.0	410.0	

MAPID: 02701110000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 22 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.426821 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.687299 DATE COLLECTED: 6 / 0 / 1955

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: FARRAR, FLETCHER F. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	LIMESTONE	5.0	347.0	
110.0	MODESTO		UNCLASSIFIED	4.5	352.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.5	CARBONDALE		UNCLASSIFIED	8.0	356.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	364.5	
90.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	7.0	371.5	
83.5	CARBONDALE	CONANT	UNCLASSIFIED	2.5	378.5	
81.0	CARBONDALE		UNCLASSIFIED	2.0	381.0	SHALE ABOVE BRERETON LIMESTONE
79.0	CARBONDALE	BRERETON	LIMESTONE	2.0	383.0	
77.0	CARBONDALE	ANNA	BLACK SHALE	3.0	385.0	
74.0	CARBONDALE	HERRIN	COAL	8.0	388.0	

MAPID: 02701110000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 22 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.426821 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.687299 DATE COLLECTED:

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 395.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
114.0	MODESTO	PIASA	LIMESTONE	4.0	348.0	
110.0	MODESTO		SHALE	9.0	352.0	
101.0	CARBONDALE		SHALE	5.0	361.0	
96.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	366.0	
91.0	CARBONDALE	LAWSON	SHALE	11.0	371.0	
80.0	CARBONDALE	BRERETON	CALCAREOUS SHALE	4.0	382.0	
76.0	CARBONDALE	HERRIN	COAL	9.0	386.0	

MAPID: 02701110000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 22 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.426821 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.687299 DATE COLLECTED: 6 / 0 / 1955

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 530.0 LOG TYPE: Electric Log

SOURCE: FARRAR, FLETCHER F. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	UNCLASSIFIED	-	347.0	
102.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	360.0	
72.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	390.0	
-25.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	487.0	
-68.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	530.0	

MAPID: 02701207000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.391705 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.685684 DATE COLLECTED: 1 / 0 / 1956

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 391.5 LOG TYPE: Electric Log

SOURCE: NEIER O G WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	CARBONDALE		UNCLASSIFIED	8.0	353.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	361.0	
91.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	370.0	
87.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	374.0	
85.0	CARBONDALE		UNCLASSIFIED	4.0	376.0	SHALE ABOVE BRERETON LIMESTONE
81.0	CARBONDALE	BRERETON	LIMESTONE	1.0	380.0	
80.0	CARBONDALE	ANNA	BLACK SHALE	3.0	381.0	
77.0	CARBONDALE	HERRIN	COAL	7.5	384.0	

MAPID: 02701500000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 990' N line, 330' E line of NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.400826 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.694778 DATE COLLECTED: 4 / 0 / 1953

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	3.0		
-	MODESTO		UNCLASSIFIED	4.0		INTERVAL ABOVE DANVILLE, BELOW PIASA

MAPID: 02701754000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE NW
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.400853 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.69295 DATE COLLECTED: 4 / 0 / 1950
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: CONREY, T. M. WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	4.0		
-	MODESTO		UNCLASSIFIED	3.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	2.0		
-	CARBONDALE		UNCLASSIFIED	16.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE

MAPID: 02701920000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW NE
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.396257 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.694793 DATE COLLECTED: 5 / 0 / 1962
 SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole
 COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	DANVILLE	COAL	1.5		

MAPID: 02703022000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.393975 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.689327 DATE COLLECTED: 6 / 0 / 1950
 SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 375.0 LOG TYPE: Electric Log
 SOURCE: HUGHES PAUL P WELL TYPE: Producer-Oil
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	CARBONDALE		UNCLASSIFIED	12.0	335.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
98.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	347.0	
89.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	356.0	
85.0	CARBONDALE		UNCLASSIFIED	4.0	360.0	SHALE ABOVE BRERETON LIMESTONE
81.0	CARBONDALE	BRERETON	LIMESTONE	3.0	364.0	
78.0	CARBONDALE	ANNA	BLACK SHALE	2.0	367.0	
76.0	CARBONDALE	HERRIN	COAL	6.0	369.0	

MAPID: 02703023000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.391699 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.687506 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: HUGHES PAUL P WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.0	MODESTO		UNCLASSIFIED	3.5	337.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
107.5	CARBONDALE	DANVILLE	COAL	1.5	340.5	
106.0	CARBONDALE		UNCLASSIFIED	9.0	342.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	351.0	
89.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	359.0	
85.5	CARBONDALE		UNCLASSIFIED	3.5	362.5	SHALE ABOVE BRERETON LIMESTONE
82.0	CARBONDALE	BRERETON	LIMESTONE	3.0	366.0	
79.0	CARBONDALE	ANNA	BLACK SHALE	4.0	369.0	
75.0	CARBONDALE	HERRIN	COAL	7.0	373.0	

MAPID: 02703025000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.393992 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.6875 DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 2482.0 LOG TYPE: Electric Log

SOURCE: BROWNING, H. L. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	CARBONDALE	SPRINGFIELD	COAL	-	402.0	
-67.0	CARBONDALE	COLCHESTER	COAL	-	525.0	
-499.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	957.0	
-1970.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2428.0	TOP OF NEW ALBANY
-1989.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2447.0	
-2024.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2482.0	BASE OF NEW ALBANY

MAPID: 02703025000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.393992 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.6875 DATE COLLECTED: 9 / 0 / 1951

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 388.5 LOG TYPE: Electric Log

SOURCE: BROWNING, H. L. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.5	CARBONDALE		UNCLASSIFIED	4.0	357.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	361.5	
88.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	369.5	
82.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	375.5	
80.5	CARBONDALE		UNCLASSIFIED	1.0	377.5	SHALE ABOVE BRERETON LIMESTONE
79.5	CARBONDALE	BRERETON	LIMESTONE	2.5	378.5	
77.0	CARBONDALE	ANNA	BLACK SHALE	2.0	381.0	
75.0	CARBONDALE	HERRIN	COAL	5.5	383.0	

MAPID: 02703027000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.400904 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.689306 DATE COLLECTED: 4 / 0 / 1950

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

MAPID: 02703028000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.403187 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.689297 DATE COLLECTED: 5 / 0 / 1950

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 382.5 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	CARBONDALE	DANVILLE	COAL	1.5	337.0	
104.5	CARBONDALE		UNCLASSIFIED	12.5	338.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	351.0	
83.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	360.0	
78.0	CARBONDALE		UNCLASSIFIED	4.5	365.0	SHALE ABOVE BRERETON LIMESTONE
73.5	CARBONDALE	BRERETON	LIMESTONE	3.5	369.5	
70.0	CARBONDALE	ANNA	BLACK SHALE	2.0	373.0	
68.0	CARBONDALE	HERRIN	COAL	7.5	375.0	

MAPID: 02703029000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.400931 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.687478 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 385.5 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
63.0	CARBONDALE	HERRIN	COAL	5.5	380.0	

MAPID: 02703030000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 490' W line of NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.402661 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.687474 DATE COLLECTED: 12 / 0 / 1950

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 376.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
109.0	MODESTO		UNCLASSIFIED	4.0	334.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
105.0	CARBONDALE		UNCLASSIFIED	12.0	338.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
93.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	350.0	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	357.0	
83.0	CARBONDALE		UNCLASSIFIED	3.0	360.0	SHALE ABOVE BRERETON LIMESTONE
80.0	CARBONDALE	BRERETON	LIMESTONE	3.0	363.0	
77.0	CARBONDALE	ANNA	BLACK SHALE	2.0	366.0	
75.0	CARBONDALE	HERRIN	COAL	8.0	368.0	

MAPID: 02703031000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.400958 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.685656 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	CARBONDALE		UNCLASSIFIED	3.0	388.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	3.5	391.0	
65.5	CARBONDALE	ANNA	BLACK SHALE	3.5	394.5	
62.0	CARBONDALE	HERRIN	COAL	2.0	398.0	

MAPID: 02703033000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 400' S line, 350' E line of SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.401052 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.684025 DATE COLLECTED: 2 / 0 / 1951

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 381.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	CARBONDALE		UNCLASSIFIED	9.0	339.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
109.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	348.0	
100.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	357.0	
95.0	CARBONDALE		UNCLASSIFIED	5.0	362.0	SHALE ABOVE BRERETON LIMESTONE
90.0	CARBONDALE	BRERETON	LIMESTONE	4.0	367.0	
86.0	CARBONDALE	ANNA	BLACK SHALE	3.0	371.0	
83.0	CARBONDALE	HERRIN	COAL	7.0	374.0	

MAPID: 02703034000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.393945 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.692977 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.0	CARBONDALE		UNCLASSIFIED	4.5	364.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
94.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	368.5	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	377.0	
80.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	383.0	
78.0	CARBONDALE		UNCLASSIFIED	1.0	385.0	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	4.0	386.0	
73.0	CARBONDALE	ANNA	BLACK SHALE	3.0	390.0	
70.0	CARBONDALE	HERRIN	COAL	7.0	393.0	

MAPID: 02703035000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.393962 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.691149 DATE COLLECTED: 5 / 0 / 1950

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 392.0 LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
112.5	MODESTO		UNCLASSIFIED	6.0	345.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
106.5	CARBONDALE	DANVILLE	COAL	2.0	351.5	
104.5	CARBONDALE		UNCLASSIFIED	9.0	353.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	362.5	
86.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	371.5	
80.5	CARBONDALE	CONANT	UNCLASSIFIED	2.5	377.5	
78.0	CARBONDALE		UNCLASSIFIED	1.0	380.0	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	2.5	381.0	
74.5	CARBONDALE	ANNA	BLACK SHALE	1.5	383.5	
73.0	CARBONDALE	HERRIN	COAL	7.0	385.0	

MAPID: 02703036000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.391687 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.692986 DATE COLLECTED: 11 / 0 / 1950

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 391.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	CARBONDALE	DANVILLE	COAL	2.0	344.0	
101.0	CARBONDALE		UNCLASSIFIED	15.0	346.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	361.0	
77.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	370.0	
72.5	CARBONDALE		UNCLASSIFIED	4.5	374.5	SHALE ABOVE BRERETON LIMESTONE
68.0	CARBONDALE	BRERETON	LIMESTONE	3.0	379.0	
65.0	CARBONDALE	ANNA	BLACK SHALE	3.0	382.0	
62.0	CARBONDALE	HERRIN	COAL	6.0	385.0	

MAPID: 02703040000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.39629 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.689318 DATE COLLECTED: 6 / 0 / 1950

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
102.0	MODESTO		UNCLASSIFIED	3.0	340.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
99.0	CARBONDALE	DANVILLE	COAL	1.5	343.0	
97.5	CARBONDALE		UNCLASSIFIED	9.5	344.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
88.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	354.0	
80.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	362.0	
77.0	CARBONDALE		UNCLASSIFIED	3.5	365.0	SHALE ABOVE BRERETON LIMESTONE
73.5	CARBONDALE	BRERETON	LIMESTONE	1.5	368.5	
72.0	CARBONDALE	ANNA	BLACK SHALE	2.0	370.0	
70.0	CARBONDALE	HERRIN	COAL	6.0	372.0	

MAPID: 02703040000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.39629 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.689318 DATE COLLECTED:

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	CALCAREOUS SHALE	5.0	336.0	
101.0	MODESTO		SHALE	10.0	341.0	
91.0	CARBONDALE		SHALE	7.0	351.0	
84.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	358.0	
77.0	CARBONDALE	LAWSON	SHALE	6.0	365.0	
71.0	CARBONDALE	HERRIN	COAL	7.0	371.0	

MAPID: 02703040000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.39629 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.689318 DATE COLLECTED: 6 / 0 / 1950

SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 512.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
236.0	MODESTO	WEST FRANKLIN	UNCLASSIFIED	-	206.0	
102.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	340.0	
72.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	370.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO IDENTIFIABLE HORIZON
10.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	432.0	
-25.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	467.0	
-70.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	512.0	

MAPID: 02703041000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.396317 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.687493 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 373.5 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.5	MODESTO	PIASA	LIMESTONE	2.0	330.5	
111.5	MODESTO		UNCLASSIFIED	2.5	332.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
109.0	CARBONDALE	DANVILLE	COAL	1.5	335.0	
107.5	CARBONDALE		UNCLASSIFIED	7.0	336.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
100.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	343.5	
91.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	352.5	
88.5	CARBONDALE	CONANT	UNCLASSIFIED	2.5	355.5	
86.0	CARBONDALE		UNCLASSIFIED	3.5	358.0	SHALE ABOVE BRERETON LIMESTONE
82.5	CARBONDALE	BRERETON	LIMESTONE	3.0	361.5	
79.5	CARBONDALE	ANNA	BLACK SHALE	2.5	364.5	
77.0	CARBONDALE	HERRIN	COAL	6.5	367.0	

MAPID: 02703043000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.393928 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.694799 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 408.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
65.0	CARBONDALE	HERRIN	COAL	6.0	402.0	

MAPID: 02703045000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.398555 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.691134 DATE COLLECTED: 1 / 0 / 1950

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Producer-Oil

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO		UNCLASSIFIED	2.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE	DANVILLE	COAL	1.0		
-	CARBONDALE		UNCLASSIFIED	4.0		INTERVAL ABOVE BANKSTON, BELOW DANVILLE

MAPID: 02703046000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.396287 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.691143 DATE COLLECTED: 4 / 0 / 1950

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Producer-Oil

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO		UNCLASSIFIED	4.0		INTERVAL ABOVE DANVILLE, BELOW PIASA
-	CARBONDALE		UNCLASSIFIED	3.5		INTERVAL ABOVE BANKSTON, BELOW DANVILLE

MAPID: 02703047000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW NE
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.398528 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.692959 DATE COLLECTED: 5 / 0 / 1950
 SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 404.0 LOG TYPE: Electric Log
 SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Producer-Oil
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
82.0	MODESTO		UNCLASSIFIED	3.5	387.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
78.5	CARBONDALE		UNCLASSIFIED	4.0	390.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
74.5	CARBONDALE	ANNA	BLACK SHALE	3.5	394.5	
71.0	CARBONDALE	HERRIN	COAL	6.0	398.0	

MAPID: 02703048000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE
 QUADRANGLE: STOLLETOWN LONGITUDE: -89.39627 GEOLOGIST: D. JOHNSON
 CONFIDENTIAL: N LATITUDE: 38.692971 DATE COLLECTED: 5 / 0 / 1950
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 394.0 LOG TYPE: Electric Log
 SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Producer-Oil
 COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
97.0	MODESTO		UNCLASSIFIED	3.5	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.5	CARBONDALE	DANVILLE	COAL	1.5	376.5	
92.0	CARBONDALE		UNCLASSIFIED	13.0	378.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
79.0	CARBONDALE	HERRIN	COAL	3.0	391.0	

MAPID: 02703153000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 330' S line, 990' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.394033 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.683847 DATE COLLECTED: 7 / 0 / 1964

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 389.5 LOG TYPE: Electric Log

SOURCE: NEIER O G WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
122.5	MODESTO	PIASA	LIMESTONE	3.0	342.5	
119.5	MODESTO		UNCLASSIFIED	4.5	345.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
115.0	CARBONDALE		UNCLASSIFIED	12.5	350.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
102.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	362.5	
94.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	370.5	
92.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	372.5	
90.5	CARBONDALE		UNCLASSIFIED	3.0	374.5	SHALE ABOVE BRERETON LIMESTONE
87.5	CARBONDALE	BRERETON	LIMESTONE	4.5	377.5	
83.0	CARBONDALE	ANNA	BLACK SHALE	2.0	382.0	
81.0	CARBONDALE	HERRIN	COAL	5.5	384.0	

MAPID: 02725337000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 23 QUARTERS/FOOTAGES: 930' N line, 1625' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.396246 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.694961 DATE COLLECTED: 11 / 13 / 1981

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 459.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-23-27C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
467.0			UNCONSOLIDATED	22.0	0.0	
445.0	BOND	CARTHAGE	LIMESTONE	12.0	22.0	
433.0	MODESTO		UNCLASSIFIED	62.0	34.0	
371.0	MODESTO	CHAPEL	SHALE	6.0	96.0	PROBABLY BLACK
365.0	MODESTO		UNCLASSIFIED	101.0	102.0	
264.0	MODESTO	LAKE CREEK	COAL	1.0	203.0	UNCERTAIN CORRELATION
263.0	MODESTO		UNCLASSIFIED	8.0	204.0	
255.0	MODESTO		LIMESTONE	1.0	212.0	
254.0	MODESTO		UNCLASSIFIED	142.0	213.0	
112.0	MODESTO	PIASA	LIMESTONE	1.0	355.0	
111.0	MODESTO		UNCLASSIFIED	10.0	356.0	
101.0	CARBONDALE	DANVILLE	COAL	0.0	366.0	
101.0	CARBONDALE		UNCLASSIFIED	30.0	366.0	
71.0	CARBONDALE	HERRIN	SILTSTONE	0.0	396.0	COAL CUTOUT BY CHANNEL
71.0	CARBONDALE		UNCLASSIFIED	28.0	396.0	
43.0	CARBONDALE	SPRINGFIELD	SILTSTONE	0.0	424.0	COAL CUTOUT BY CHANNEL
43.0	CARBONDALE		UNCLASSIFIED	8.0	424.0	
35.0	CARBONDALE		LIMESTONE	3.0	432.0	
32.0	CARBONDALE		UNCLASSIFIED	3.0	435.0	
29.0	CARBONDALE		LIMESTONE	4.0	438.0	
25.0	CARBONDALE		UNCLASSIFIED	1.0	442.0	
24.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	443.0	
22.0	CARBONDALE		UNCLASSIFIED	14.0	445.0	

MAPID: 02770001000C **VERSION:** 1 **PROJECT:** NCRDS
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 23 **QUARTERS/FOOTAGES:** 1070' S line, 1960' E line
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.397446 **GEOLOGIST:** LOUCHIOS
CONFIDENTIAL: N **LATITUDE:** 38.685882 **DATE COLLECTED:** 0 / 0 / 1950
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 1117.0 **LOG TYPE:** Drillers Log
SOURCE: UTAH INTERNATIONAL 03C3039 **WELL TYPE:** Coal Test
COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
457.0			NO RECORD	94.0	0.0	
363.0			SANDSTONE	301.0	94.0	
62.0	CARBONDALE	HERRIN	COAL	3.0	395.0	
59.0	CARBONDALE		SHALE	5.0	398.0	
54.0	CARBONDALE		LIMESTONE	5.0	403.0	
49.0	CARBONDALE		SHALE & SANDSTONE	32.0	408.0	INTERBEDDED
17.0	CARBONDALE	SPRINGFIELD	COAL	5.0	440.0	
12.0			UNCLASSIFIED	672.0	445.0	

MAPID: 02700019000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 24 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.382416 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.696646 **DATE COLLECTED:** 0 / 0 / 1916
SURFACE ELEVATION (FT.): 454.7 **LOGGED (FT.):** 1065.0 **LOG TYPE:**
SOURCE: EWING MARQ **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.7	CARBONDALE	HERRIN	COAL	7.0	407.0	

MAPID: 02700019000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 24 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.382416 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.696646 **DATE COLLECTED:** 12 / 0 / 1916
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 414.0 **LOG TYPE:** Drillers Log
SOURCE: EWING & MARQUIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
48.0	CARBONDALE	HERRIN	COAL	7.0	407.0	

MAPID: 02701755000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.389383 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.683851 DATE COLLECTED: 3 / 0 / 1950

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 405.0 LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	LIMESTONE	3.0	361.0	
103.0	MODESTO		UNCLASSIFIED	4.5	364.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.5	CARBONDALE		UNCLASSIFIED	9.0	368.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
89.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	377.5	
81.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	386.0	
77.0	CARBONDALE		UNCLASSIFIED	4.0	390.0	SHALE ABOVE BRERETON LIMESTONE
73.0	CARBONDALE	BRERETON	LIMESTONE	2.0	394.0	
71.0	CARBONDALE	ANNA	BLACK SHALE	2.0	396.0	
69.0	CARBONDALE	HERRIN	COAL	7.0	398.0	

MAPID: 02703054000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.387074 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.687501 DATE COLLECTED: 6 / 0 / 1950

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 407.0 LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.6	MODESTO	PIASA	LIMESTONE	3.0	366.4	
98.6	MODESTO		UNCLASSIFIED	3.0	369.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.6	CARBONDALE		UNCLASSIFIED	7.0	372.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
88.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	379.4	
80.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.3	387.4	
76.3	CARBONDALE		UNCLASSIFIED	4.3	391.7	SHALE ABOVE BRERETON LIMESTONE
72.0	CARBONDALE	BRERETON	LIMESTONE	2.5	396.0	
69.5	CARBONDALE	ANNA	BLACK SHALE	2.5	398.5	
67.0	CARBONDALE	HERRIN	COAL	6.0	401.0	

MAPID: 02703057000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.389368 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.691159 DATE COLLECTED: 5 / 0 / 1950

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 385.0 LOG TYPE: Electric Log

SOURCE: PRUETT T M WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.5	MODESTO	PIASA	LIMESTONE	4.0	336.5	
107.5	MODESTO		UNCLASSIFIED	3.0	340.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
104.5	CARBONDALE		UNCLASSIFIED	12.5	343.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	356.0	
82.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	366.0	
77.5	CARBONDALE		UNCLASSIFIED	4.5	370.5	SHALE ABOVE BRERETON LIMESTONE
73.0	CARBONDALE	BRERETON	LIMESTONE	1.5	375.0	
71.5	CARBONDALE	ANNA	BLACK SHALE	2.5	376.5	
69.0	CARBONDALE	HERRIN	COAL	6.0	379.0	

MAPID: 02703062000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.389359 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.694811 DATE COLLECTED: 4 / 0 / 1950

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 400.5 LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F. OIL CO. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
102.9	MODESTO	PIASA	LIMESTONE	5.0	346.1	
97.9	MODESTO		UNCLASSIFIED	5.0	351.1	INTERVAL ABOVE DANVILLE, BELOW PIASA
92.9	CARBONDALE		UNCLASSIFIED	13.3	356.1	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
79.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	369.4	
70.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.3	378.9	
65.8	CARBONDALE		UNCLASSIFIED	4.3	383.2	SHALE ABOVE BRERETON LIMESTONE
61.5	CARBONDALE	BRERETON	LIMESTONE	2.5	387.5	
59.0	CARBONDALE	ANNA	BLACK SHALE	3.0	390.0	
56.0	CARBONDALE	HERRIN	COAL	7.5	393.0	

MAPID: 02703064000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380121 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.689319 DATE COLLECTED: 10 / 0 / 1950

SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 415.0 LOG TYPE: Electric Log

SOURCE: SMITH EDGAR F WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	3.0	370.0	
97.0	MODESTO		UNCLASSIFIED	3.0	373.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
94.0	CARBONDALE		UNCLASSIFIED	11.0	376.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	387.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	395.0	
70.5	CARBONDALE		UNCLASSIFIED	4.5	399.5	SHALE ABOVE BRERETON LIMESTONE
66.0	CARBONDALE	BRERETON	LIMESTONE	3.0	404.0	
63.0	CARBONDALE	ANNA	BLACK SHALE	1.0	407.0	
62.0	CARBONDALE	HERRIN	COAL	7.0	408.0	

MAPID: 02703064000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380121 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.689319 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 417.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.0	MODESTO	PIASA	LIMESTONE	3.0	372.0	
97.0	MODESTO		SHALE	8.0	375.0	
89.0	CARBONDALE	DANVILLE	COAL	2.0	383.0	
87.0	CARBONDALE		SHALE	5.0	385.0	
82.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	390.0	
76.0	CARBONDALE	LAWSON	SHALE	11.0	396.0	
65.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	407.0	
63.0	CARBONDALE	ANNA	SHALE	1.0	409.0	
62.0	CARBONDALE	HERRIN	COAL	7.0	410.0	

MAPID: 02703068000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380124 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.685661 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 421.0 LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	MODESTO	PIASA	LIMESTONE	3.5	372.0	
99.5	MODESTO		UNCLASSIFIED	4.0	375.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
95.5	CARBONDALE		UNCLASSIFIED	12.0	379.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	391.5	
76.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	398.5	
70.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	404.5	
68.5	CARBONDALE		UNCLASSIFIED	3.5	406.5	SHALE ABOVE BRERETON LIMESTONE
65.0	CARBONDALE	BRERETON	LIMESTONE	3.0	410.0	
62.0	CARBONDALE	ANNA	BLACK SHALE	2.0	413.0	
60.0	CARBONDALE	HERRIN	COAL	6.0	415.0	

MAPID: 02703070000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380101 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.69481 DATE COLLECTED: 6 / 0 / 1950

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 428.5 LOG TYPE: Electric Log

SOURCE: SMITH EDGAR F WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.0	MODESTO	PIASA	LIMESTONE	3.0	379.0	
81.0	MODESTO		UNCLASSIFIED	4.0	382.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
77.0	CARBONDALE		UNCLASSIFIED	12.0	386.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
65.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	398.0	
57.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	406.0	
52.0	CARBONDALE	CONANT	UNCLASSIFIED	1.5	411.0	
50.5	CARBONDALE		UNCLASSIFIED	3.0	412.5	SHALE ABOVE BRERETON LIMESTONE
47.5	CARBONDALE	BRERETON	LIMESTONE	2.5	415.5	
45.0	CARBONDALE	ANNA	BLACK SHALE	3.0	418.0	
42.0	CARBONDALE	HERRIN	COAL	7.5	421.0	

MAPID: 02703071000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380111 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.691147 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: SMITH EDGAR F WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
100.5	MODESTO	PIASA	LIMESTONE	4.0	367.5	
96.5	MODESTO		UNCLASSIFIED	4.0	371.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
92.5	CARBONDALE		UNCLASSIFIED	11.0	375.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
81.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	386.5	
72.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	396.0	
67.0	CARBONDALE		UNCLASSIFIED	5.0	401.0	SHALE ABOVE BRERETON LIMESTONE
62.0	CARBONDALE	BRERETON	LIMESTONE	1.5	406.0	
60.5	CARBONDALE	ANNA	BLACK SHALE	2.5	407.5	
58.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02725338000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 24 QUARTERS/FOOTAGES: 300' N line, 2400' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380457 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.696732 DATE COLLECTED: 9 / 24 / 1981

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 424.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-24-8C WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
410.0	MODESTO		BLACK SHALE	3.0	45.0	NEW HAVEN SH
407.0	MODESTO		UNCLASSIFIED	75.0	48.0	
332.0	MODESTO	CHAPEL	BLACK SHALE	3.0	123.0	
329.0	MODESTO		UNCLASSIFIED	115.0	126.0	
214.0	MODESTO	LAKE CREEK	COAL	2.8	241.0	UNCERTAIN CORRELATION
211.2	MODESTO		UNCLASSIFIED	8.2	243.8	
203.0	MODESTO		LIMESTONE	2.0	252.0	
201.0	MODESTO		UNCLASSIFIED	4.0	254.0	
197.0	MODESTO		COAL	0.5	258.0	MAY NOT BE A COAL
196.5	MODESTO		UNCLASSIFIED	113.5	258.5	
83.0	MODESTO		LIMESTONE	2.0	372.0	
81.0	MODESTO		UNCLASSIFIED	9.0	374.0	
72.0	CARBONDALE	DANVILLE	BLACK SHALE	2.0	383.0	
70.0	CARBONDALE		UNCLASSIFIED	6.0	385.0	
64.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	391.0	
55.0	CARBONDALE		UNCLASSIFIED	10.0	400.0	
45.0	CARBONDALE	BRERETON	LIMESTONE	2.0	410.0	
43.0	CARBONDALE	ANNA	BLACK SHALE	3.0	412.0	
40.0	CARBONDALE	HERRIN	COAL	8.0	415.0	
32.0	CARBONDALE		UNCLASSIFIED	1.0	423.0	

MAPID: 02701510000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.384776 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.682013 DATE COLLECTED: 7 / 0 / 1950

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 423.0 LOG TYPE: Electric Log

SOURCE: NEAL, DR. IRL J. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.0	MODESTO		UNCLASSIFIED	5.0	375.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
93.0	CARBONDALE		UNCLASSIFIED	14.0	380.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
79.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	394.0	
70.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	403.0	
65.0	CARBONDALE		UNCLASSIFIED	5.0	408.0	SHALE ABOVE BRERETON LIMESTONE
60.0	CARBONDALE	BRERETON	LIMESTONE	2.0	413.0	
58.0	CARBONDALE	ANNA	BLACK SHALE	2.0	415.0	
56.0	CARBONDALE	HERRIN	COAL	6.0	417.0	

MAPID: 02701510000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.384776 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.682013 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 421.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
109.0	MODESTO	PIASA	CALCAREOUS SHALE	10.0	363.0	
99.0	MODESTO		SHALE	15.0	373.0	
84.0	CARBONDALE		SHALE	5.0	388.0	
79.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	393.0	
72.0	CARBONDALE	LAWSON	SHALE	15.0	400.0	
57.0	CARBONDALE	HERRIN	COAL	6.0	415.0	

MAPID: 02701756000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.389397 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.682029 DATE COLLECTED: 6 / 0 / 1950

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 409.0 LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	LIMESTONE	5.0	357.0	
101.0	MODESTO		UNCLASSIFIED	5.0	362.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
96.0	CARBONDALE		UNCLASSIFIED	13.5	367.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
82.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	380.5	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	388.0	
71.0	CARBONDALE		UNCLASSIFIED	6.0	392.0	SHALE ABOVE BRERETON LIMESTONE
65.0	CARBONDALE	BRERETON	LIMESTONE	2.0	398.0	
63.0	CARBONDALE	ANNA	BLACK SHALE	3.0	400.0	
60.0	CARBONDALE	HERRIN	COAL	6.0	403.0	

MAPID: 02703076000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 345' W line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380195 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.671068 DATE COLLECTED:

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 1018.0 LOG TYPE: Electric Log

SOURCE: HUBBARD DRLG WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
20.0	CARBONDALE	SPRINGFIELD	COAL	-	462.0	
-78.0	CARBONDALE	COLCHESTER	COAL	-	560.0	
-536.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1018.0	

MAPID: 02703076000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 345' W line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.380195 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.671068 DATE COLLECTED: 7 / 0 / 1946

SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 424.0 LOG TYPE: Electric Log

SOURCE: HUBBARD DRLG WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
102.0	MODESTO	PIASA	LIMESTONE	4.0	380.0	
98.0	MODESTO		UNCLASSIFIED	4.0	384.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
94.0	CARBONDALE		UNCLASSIFIED	12.0	388.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
82.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	400.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	407.0	
72.0	CARBONDALE		UNCLASSIFIED	3.0	410.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	3.0	413.0	
66.0	CARBONDALE	ANNA	BLACK SHALE	3.0	416.0	
63.0	CARBONDALE	HERRIN	COAL	5.0	419.0	

MAPID: 02703836000C VERSION: 1

PROJECT: BLM

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: 1880' S line, 300' E line

QUADRANGLE: KEYSPORT LONGITUDE: -89.373161 GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 38.67352 DATE COLLECTED: 0 / 0 / 1964

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 115.0 LOG TYPE: Drillers Log

SOURCE: L. F. WOODWARD WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
478.0			UNCONSOLIDATED	68.0	0.0	
410.0			LIMESTONE	8.0	68.0	
402.0			COAL	2.0	76.0	
400.0			ROCK	37.0	78.0	

MAPID: 02725141000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: 2626' N line, 2037' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.379264 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.675658 DATE COLLECTED: 11 / 10 / 1980

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 437.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 80-25-24C WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND RESIST. LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
476.0			UNCONSOLIDATED	49.0	0.0	
427.0	BOND	CARTHAGE	LIMESTONE	6.0	49.0	
421.0	MODESTO	NEW HAVEN	BLACK SHALE	3.0	55.0	
418.0	MODESTO		UNCLASSIFIED	70.0	58.0	
348.0	MODESTO	CHAPEL	BLACK SHALE	3.5	128.0	
344.5	MODESTO		UNCLASSIFIED	119.5	131.5	
225.0	MODESTO	LAKE CREEK	COAL	2.0	251.0	UNCERTAIN CORRELATION
223.0	MODESTO		UNCLASSIFIED	129.0	253.0	
94.0	CARBONDALE	DANVILLE	BLACK SHALE	2.0	382.0	
92.0	CARBONDALE		UNCLASSIFIED	3.0	384.0	
89.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	387.0	
81.0	CARBONDALE		UNCLASSIFIED	11.0	395.0	
70.0	CARBONDALE	ANNA	BLACK SHALE	3.0	406.0	
67.0	CARBONDALE	HERRIN	COAL	7.0	409.0	
60.0	CARBONDALE		UNCLASSIFIED	21.0	416.0	

MAPID: 02725340000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 25 QUARTERS/FOOTAGES: 2586' N line, 60' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.390428 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.675805 DATE COLLECTED: 11 / 15 / 1981

SURFACE ELEVATION (FT.): LOGGED (FT.): 420.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 81-25-29C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	CHAPEL	SHALE	2.0	116.0	PROBABLY BLACK
-	MODESTO		UNCLASSIFIED	18.0	118.0	
-	MODESTO		LIMESTONE	1.0	136.0	
-	MODESTO		UNCLASSIFIED	90.0	137.0	
-	MODESTO	LAKE CREEK	COAL	1.0	227.0	UNCERTAIN CORRELATION
-	MODESTO		UNCLASSIFIED	18.0	228.0	
-	MODESTO		LIMESTONE	1.5	246.0	
-	MODESTO		UNCLASSIFIED	127.5	247.5	
-	CARBONDALE	DANVILLE	COAL	0.0	375.0	
-	CARBONDALE		UNCLASSIFIED	18.0	375.0	
-	CARBONDALE	HERRIN	COAL	7.0	393.0	
-	CARBONDALE		UNCLASSIFIED	4.0	400.0	
-			LIMESTONE	5.5	404.0	
-			UNCLASSIFIED	10.5	409.5	

MAPID: 02700020000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 26 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.398829 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.674708 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 462.7 LOGGED (FT.): 1151.0 LOG TYPE:

SOURCE: OHIO OIL 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
12.7	CARBONDALE	HERRIN	COAL	8.0	450.0	

MAPID: 02702061000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 26 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.391721

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.682031

DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0

LOGGED (FT.): 398.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.0	MODESTO	PIASA	LIMESTONE	6.0	351.0	
110.0	MODESTO		SHALE	10.0	357.0	
100.0	CARBONDALE		SHALE	5.0	367.0	
95.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	372.0	
91.0	CARBONDALE	LAWSON	SHALE	10.0	376.0	
81.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	386.0	
79.0	CARBONDALE	ANNA	SHALE	3.0	388.0	
76.0	CARBONDALE	HERRIN	COAL	7.0	391.0	

MAPID: 02703159000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 990' W line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.396367

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.682022

DATE COLLECTED: 8 / 0 / 1964

SURFACE ELEVATION (FT.): 457.0

LOGGED (FT.): 375.0

LOG TYPE: Electric Log

SOURCE: DUNNILL, JOHN F.

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.1	CARBONDALE		UNCLASSIFIED	6.0	343.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
107.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	349.9	
100.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.3	356.4	
96.3	CARBONDALE		UNCLASSIFIED	4.3	360.7	SHALE ABOVE BRERETON LIMESTONE
92.0	CARBONDALE	BRERETON	LIMESTONE	2.0	365.0	
90.0	CARBONDALE	ANNA	BLACK SHALE	2.0	367.0	
88.0	CARBONDALE	HERRIN	COAL	6.0	369.0	

MAPID: 02703172000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 26 QUARTERS/FOOTAGES: 1650' N line, 990' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.394094 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.678381 DATE COLLECTED: 11 / 0 / 1964

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 388.0 LOG TYPE: Drillers Log

SOURCE: DUNNILL, JOHN F. WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
124.5	MODESTO	PIASA	LIMESTONE	3.0	342.5	
121.5	MODESTO		UNCLASSIFIED	5.0	345.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.5	CARBONDALE		UNCLASSIFIED	10.5	350.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
106.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	361.0	
98.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	368.5	
94.0	CARBONDALE		UNCLASSIFIED	4.5	373.0	SHALE ABOVE BRERETON LIMESTONE
89.5	CARBONDALE	BRERETON	LIMESTONE	2.5	377.5	
87.0	CARBONDALE	ANNA	BLACK SHALE	3.0	380.0	
84.0	CARBONDALE	HERRIN	COAL	5.0	383.0	

MAPID: 02725679000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.391862 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.671082 DATE COLLECTED:

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 2521.0 LOG TYPE: Electric Log

SOURCE: CENTURY OIL CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-63.0	CARBONDALE	COLCHESTER	COAL	-	544.0	
-502.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	983.0	
-1987.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2468.0	TOP OF NEW ALBANY
-2007.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2488.0	
-2040.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2521.0	BASE OF NEW ALBANY

MAPID: 02701498000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 27 QUARTERS/FOOTAGES: SE SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.415269 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.669139 DATE COLLECTED: 7 / 0 / 1952

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 391.0 LOG TYPE: Electric Log

SOURCE: DERRINGTON H H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
120.0	MODESTO	PIASA	LIMESTONE	4.0	341.0	
116.0	MODESTO		UNCLASSIFIED	4.0	345.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
112.0	CARBONDALE	DANVILLE	COAL	1.0	349.0	
111.0	CARBONDALE		UNCLASSIFIED	10.0	350.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
101.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	360.0	
94.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	367.0	
91.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	370.0	
89.0	CARBONDALE		UNCLASSIFIED	5.0	372.0	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	3.5	377.0	
80.5	CARBONDALE	ANNA	BLACK SHALE	2.5	380.5	
78.0	CARBONDALE	HERRIN	COAL	8.0	383.0	

MAPID: 02701498000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 27 QUARTERS/FOOTAGES: SE SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.415269 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.669139 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 392.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	MODESTO	PIASA	LIMESTONE	3.0	342.0	
116.0	MODESTO		SHALE	10.0	345.0	
106.0	CARBONDALE		SHALE	5.0	355.0	
101.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	360.0	
95.0	CARBONDALE	LAWSON	SHALE	12.0	366.0	
83.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	378.0	
81.0	CARBONDALE	ANNA	SHALE	2.0	380.0	
79.0	CARBONDALE	HERRIN	COAL	10.0	382.0	

MAPID: 02701757000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.422142 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.681879 DATE COLLECTED: 6 / 0 / 1951

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 377.0 LOG TYPE: Electric Log

SOURCE: APPLING, WALTER S. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.5	MODESTO	PIASA	LIMESTONE	3.5	326.5	
110.0	MODESTO		UNCLASSIFIED	3.5	330.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
106.5	CARBONDALE		UNCLASSIFIED	11.0	333.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
95.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	344.5	
88.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	352.0	
83.5	CARBONDALE	CONANT	UNCLASSIFIED	1.0	356.5	
82.5	CARBONDALE		UNCLASSIFIED	5.5	357.5	SHALE ABOVE BRERETON LIMESTONE
77.0	CARBONDALE	BRERETON	LIMESTONE	4.0	363.0	
73.0	CARBONDALE	ANNA	BLACK SHALE	3.0	367.0	
70.0	CARBONDALE	HERRIN	COAL	7.0	370.0	

MAPID: 02702020000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.42453 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.669051 DATE COLLECTED: 10 / 0 / 1963

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 377.0 LOG TYPE: Electric Log

SOURCE: IL LEASE OPERATING WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.5	MODESTO		UNCLASSIFIED	4.0	331.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
102.5	CARBONDALE		UNCLASSIFIED	8.5	335.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
94.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.5	344.0	
84.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	353.5	
80.5	CARBONDALE	CONANT	UNCLASSIFIED	2.0	357.5	
78.5	CARBONDALE		UNCLASSIFIED	6.0	359.5	SHALE ABOVE BRERETON LIMESTONE
72.5	CARBONDALE	BRERETON	LIMESTONE	2.5	365.5	
70.0	CARBONDALE	ANNA	BLACK SHALE	2.0	368.0	
68.0	CARBONDALE	HERRIN	COAL	7.0	370.0	

MAPID: 02701302000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 660' W line of NW NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.434991 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.674419 DATE COLLECTED:

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 2418.0 LOG TYPE: Electric Log

SOURCE: MARCH DRILLING CO. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	SPRINGFIELD	COAL	-	417.0	
-76.0	CARBONDALE	COLCHESTER	COAL	-	534.0	
-467.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	925.0	
-1911.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2369.0	TOP OF NEW ALBANY
-1928.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2386.0	
-1960.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2418.0	BASE OF NEW ALBANY

MAPID: 02701512000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 28 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.440806 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.674342 DATE COLLECTED: 6 / 0 / 1953

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: KROHN, WM. H. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.5	MODESTO	PIASA	LIMESTONE	4.0	372.5	
80.5	MODESTO		UNCLASSIFIED	4.0	376.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.5	CARBONDALE		UNCLASSIFIED	9.0	380.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
67.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	389.5	
60.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	396.5	
57.0	CARBONDALE		UNCLASSIFIED	3.5	400.0	SHALE ABOVE BRERETON LIMESTONE
53.5	CARBONDALE	BRERETON	LIMESTONE	4.5	403.5	
49.0	CARBONDALE	ANNA	BLACK SHALE	2.0	408.0	
47.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02701512000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 28 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.440806

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.674342

DATE COLLECTED:

SURFACE ELEVATION (FT.): 460.0

LOGGED (FT.): 420.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.0	MODESTO	PIASA	LIMESTONE	4.0	376.0	
80.0	MODESTO		SHALE	9.0	380.0	
71.0	CARBONDALE	DANVILLE	BONE COAL	1.0	389.0	
70.0	CARBONDALE		SHALE	4.0	390.0	
66.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	394.0	
60.0	CARBONDALE	LAWSON	SHALE	9.0	400.0	
51.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	409.0	
49.0	CARBONDALE	ANNA	SHALE	2.0	411.0	
47.0	CARBONDALE	HERRIN	COAL	7.0	413.0	

MAPID: 02701758000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 268' E line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.433595

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.668971

DATE COLLECTED: 9 / 0 / 1954

SURFACE ELEVATION (FT.): 462.0

LOGGED (FT.): 418.5

LOG TYPE: Electric Log

SOURCE: GOLDSMITH GLADYS B

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
85.2	MODESTO	PIASA	LIMESTONE	3.0	376.8	
82.2	MODESTO		UNCLASSIFIED	5.3	379.8	INTERVAL ABOVE DANVILLE, BELOW PIASA
76.9	CARBONDALE	DANVILLE	COAL	0.8	385.1	
76.1	CARBONDALE		UNCLASSIFIED	5.5	385.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
70.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	391.4	
64.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.3	397.9	
59.8	CARBONDALE		UNCLASSIFIED	4.3	402.2	SHALE ABOVE BRERETON LIMESTONE
55.5	CARBONDALE	BRERETON	LIMESTONE	3.5	406.5	
52.0	CARBONDALE	ANNA	BLACK SHALE	2.0	410.0	
50.0	CARBONDALE	HERRIN	COAL	6.5	412.0	

MAPID: 02703083000C VERSION: 1

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.431496 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.672639 DATE COLLECTED: 11 / 0 / 1952

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 540.0 LOG TYPE: Electric Log

SOURCE: KROHN, WM. H. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
76.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	384.0	
44.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	416.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
0.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	460.0	
-40.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	500.0	
-80.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	540.0	

MAPID: 02703083000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.431496 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.672639 DATE COLLECTED: 11 / 0 / 1952

SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 420.5 LOG TYPE: Electric Log

SOURCE: KROHN, WM. H. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
79.0	MODESTO	PIASA	LIMESTONE	4.0	381.0	
75.0	MODESTO		UNCLASSIFIED	4.0	385.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
71.0	CARBONDALE		UNCLASSIFIED	8.5	389.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
62.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	397.5	
57.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	402.5	
55.0	CARBONDALE		UNCLASSIFIED	2.5	405.0	SHALE ABOVE BRERETON LIMESTONE
52.5	CARBONDALE	BRERETON	LIMESTONE	2.0	407.5	
50.5	CARBONDALE	ANNA	BLACK SHALE	3.5	409.5	
47.0	CARBONDALE	HERRIN	COAL	7.5	413.0	

MAPID: 02703084000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.43847 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.670738 DATE COLLECTED: 6 / 0 / 1954

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 406.0 LOG TYPE: Electric Log

SOURCE: GOLDSMITH GLADYS B WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
94.0	MODESTO	PIASA	LIMESTONE	4.0	362.0	
90.0	MODESTO		UNCLASSIFIED	5.0	366.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
85.0	CARBONDALE		UNCLASSIFIED	9.0	371.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
76.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	380.0	
67.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	389.0	
63.5	CARBONDALE		UNCLASSIFIED	3.5	392.5	SHALE ABOVE BRERETON LIMESTONE
60.0	CARBONDALE	BRERETON	LIMESTONE	2.0	396.0	
58.0	CARBONDALE	ANNA	BLACK SHALE	2.0	398.0	
56.0	CARBONDALE	HERRIN	COAL	6.0	400.0	

MAPID: 02700021000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 29 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.464088 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.681408 DATE COLLECTED: 0 / 0 / 1911

SURFACE ELEVATION (FT.): 463.7 LOGGED (FT.): 1098.0 LOG TYPE:

SOURCE: SKELLEY CI WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.7	CARBONDALE	HERRIN	COAL	6.0	380.0	

MAPID: 02700021000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 29 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.464088 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.681408 DATE COLLECTED: 6 / 0 / 1911

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 386.0 LOG TYPE: Drillers Log

SOURCE: CISLER WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
84.0	CARBONDALE	HERRIN	COAL	6.0	380.0	

MAPID: 02701497000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 29 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.454774 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.672394 DATE COLLECTED: 12 / 0 / 1951

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 417.0 LOG TYPE: Electric Log

SOURCE: BUGG, OTIS S. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.6	MODESTO	PIASA	LIMESTONE	4.0	374.4	
83.6	MODESTO		UNCLASSIFIED	4.5	378.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
79.1	CARBONDALE		UNCLASSIFIED	8.0	382.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
71.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	390.9	
64.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.8	397.4	
60.8	CARBONDALE		UNCLASSIFIED	3.8	401.2	SHALE ABOVE BRERETON LIMESTONE
57.0	CARBONDALE	BRERETON	LIMESTONE	2.0	405.0	
55.0	CARBONDALE	ANNA	BLACK SHALE	3.0	407.0	
52.0	CARBONDALE	HERRIN	COAL	7.0	410.0	

MAPID: 02701497000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 29 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.454774 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.672394 DATE COLLECTED:

SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 416.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	MODESTO	PIASA	LIMESTONE	3.0	375.0	
84.0	MODESTO		SHALE	10.0	378.0	
74.0	CARBONDALE		SHALE	4.0	388.0	
70.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	392.0	
66.0	CARBONDALE	LAWSON	SHALE	14.0	396.0	
52.0	CARBONDALE	HERRIN	COAL	6.0	410.0	

MAPID: 02701496000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.478836 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.668544 DATE COLLECTED:

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 2326.0 LOG TYPE: Electric Log

SOURCE: DAVIS & JOHNSON WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
62.0	CARBONDALE	SPRINGFIELD	COAL	-	397.0	
-56.0	CARBONDALE	COLCHESTER	COAL	-	515.0	
-417.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	876.0	
-1820.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2279.0	TOP OF NEW ALBANY
-1837.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2296.0	
-1867.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2326.0	BASE OF NEW ALBANY

MAPID: 02701496000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.478836 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.668544 DATE COLLECTED: 1 / 0 / 1951

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 385.0 LOG TYPE: Electric Log

SOURCE: DAVIS & JOHNSON DRLG WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.0	MODESTO	PIASA	LIMESTONE	4.0	344.0	
111.0	MODESTO		UNCLASSIFIED	4.0	348.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
107.0	CARBONDALE		UNCLASSIFIED	10.0	352.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
97.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	362.0	
91.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	368.0	
88.0	CARBONDALE		UNCLASSIFIED	3.0	371.0	SHALE ABOVE BRERETON LIMESTONE
85.0	CARBONDALE	BRERETON	LIMESTONE	2.0	374.0	
83.0	CARBONDALE	ANNA	BLACK SHALE	2.0	376.0	
81.0	CARBONDALE	HERRIN	COAL	7.0	378.0	

MAPID: 02701513000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 31 QUARTERS/FOOTAGES: SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.47922 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.656653 DATE COLLECTED: 5 / 0 / 1951

SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 380.5 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.5	MODESTO	PIASA	LIMESTONE	5.5	336.5	
116.0	MODESTO		UNCLASSIFIED	3.0	342.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
113.0	CARBONDALE		UNCLASSIFIED	10.0	345.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	355.0	
97.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	360.5	
93.5	CARBONDALE		UNCLASSIFIED	4.0	364.5	SHALE ABOVE BRERETON LIMESTONE
89.5	CARBONDALE	BRERETON	LIMESTONE	3.5	368.5	
86.0	CARBONDALE	ANNA	BLACK SHALE	3.0	372.0	
83.0	CARBONDALE	HERRIN	COAL	5.5	375.0	

MAPID: 02703089000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.473401 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.661276 DATE COLLECTED: 12 / 0 / 1951

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 391.0 LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC. WELL TYPE: Service Well

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	5.0	348.0	
103.0	MODESTO		UNCLASSIFIED	3.0	353.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.0	CARBONDALE		UNCLASSIFIED	9.5	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
90.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	365.5	
83.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	372.5	
80.0	CARBONDALE		UNCLASSIFIED	3.5	376.0	SHALE ABOVE BRERETON LIMESTONE
76.5	CARBONDALE	BRERETON	LIMESTONE	3.5	379.5	
73.0	CARBONDALE	ANNA	BLACK SHALE	2.0	383.0	
71.0	CARBONDALE	HERRIN	COAL	6.0	385.0	

MAPID: 02703091000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.475738 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.653944 DATE COLLECTED: 3 / 0 / 1951

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 382.0 LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
121.0	MODESTO	PIASA	LIMESTONE	4.0	338.0	
117.0	MODESTO		UNCLASSIFIED	3.5	342.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
113.5	CARBONDALE	DANVILLE	COAL	1.0	345.5	
112.5	CARBONDALE		UNCLASSIFIED	9.5	346.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	356.0	
95.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	363.5	
91.5	CARBONDALE		UNCLASSIFIED	4.0	367.5	SHALE ABOVE BRERETON LIMESTONE
87.5	CARBONDALE	BRERETON	LIMESTONE	2.5	371.5	
85.0	CARBONDALE	ANNA	BLACK SHALE	2.0	374.0	
83.0	CARBONDALE	HERRIN	COAL	6.0	376.0	

MAPID: 02703093000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.466443 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.655872 DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 2324.0 LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
39.0	CARBONDALE	SPRINGFIELD	COAL	-	418.0	
-75.0	CARBONDALE	COLCHESTER	COAL	-	532.0	
-425.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	882.0	
-1819.0	DEVONIAN	UPPER DEVONIAN S	UNCLASSIFIED	-	2276.0	TOP OF NEW ALBANY
-1835.0	DEVONIAN	GRASSY CREEK	UNCLASSIFIED	-	2292.0	
-1867.0	DEVONIAN	BASE UPPER DEVON	UNCLASSIFIED	-	2324.0	BASE OF NEW ALBANY

MAPID: 02703093000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.466443 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.655872 DATE COLLECTED: 5 / 0 / 1951

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
109.0	MODESTO	PIASA	LIMESTONE	6.0	348.0	
103.0	MODESTO		UNCLASSIFIED	5.0	354.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.0	CARBONDALE	DANVILLE	COAL	1.0	359.0	
97.0	CARBONDALE		UNCLASSIFIED	10.0	360.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
87.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	370.0	
79.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	378.0	
75.0	CARBONDALE		UNCLASSIFIED	4.0	382.0	SHALE ABOVE BRERETON LIMESTONE
71.0	CARBONDALE	BRERETON	LIMESTONE	3.0	386.0	
68.0	CARBONDALE	ANNA	BLACK SHALE	1.0	389.0	
67.0	CARBONDALE	HERRIN	COAL	6.0	390.0	

MAPID: 02703095000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 31 QUARTERS/FOOTAGES: 990' S line, 330' W line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.478512 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.655734 DATE COLLECTED:

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 374.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
127.0	MODESTO	PIASA	LIMESTONE	6.0	328.0	
121.0	MODESTO		SHALE	8.0	334.0	
113.0	CARBONDALE	DANVILLE	BONE COAL	2.0	342.0	
111.0	CARBONDALE		SHALE	6.0	344.0	
105.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	350.0	
101.0	CARBONDALE	LAWSON	SHALE	10.0	354.0	
91.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	1.0	364.0	
90.0	CARBONDALE	ANNA	SHALE	3.0	365.0	
87.0	CARBONDALE	HERRIN	COAL	6.0	368.0	

MAPID: 02703096000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.47109 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.655826 DATE COLLECTED: 1 / 0 / 1952

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 387.5 LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Plugged and/or Abandoned

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
115.5	MODESTO	PIASA	LIMESTONE	3.5	343.5	
112.0	MODESTO		UNCLASSIFIED	3.5	347.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
108.5	CARBONDALE		UNCLASSIFIED	10.0	350.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
98.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	360.5	
91.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	367.5	
87.5	CARBONDALE	CONANT	UNCLASSIFIED	1.5	371.5	
86.0	CARBONDALE		UNCLASSIFIED	2.0	373.0	SHALE ABOVE BRERETON LIMESTONE
84.0	CARBONDALE	BRERETON	LIMESTONE	4.0	375.0	
80.0	CARBONDALE	ANNA	BLACK SHALE	2.0	379.0	
78.0	CARBONDALE	HERRIN	COAL	6.5	381.0	

MAPID: 02701575000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.461765 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.665036 DATE COLLECTED: 11 / 0 / 1942

SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 397.0 LOG TYPE: Electric Log

SOURCE: LAGERS W B WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
69.0	CARBONDALE	HERRIN	COAL	9.0	388.0	

MAPID: 02701495000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.431485 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.665378 DATE COLLECTED:

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 937.0 LOG TYPE: Electric Log

SOURCE: GOLDSMITH FRED L WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
19.0	CARBONDALE	SPRINGFIELD	COAL	-	435.0	
-76.0	CARBONDALE	COLCHESTER	COAL	-	530.0	
-483.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	937.0	

MAPID: 02701495000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.431485 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.665378 DATE COLLECTED: 11 / 0 / 1952

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 423.5 LOG TYPE: Electric Log

SOURCE: GOLDSMITH FRED L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	MODESTO	PIASA	LIMESTONE	2.5	371.0	
80.5	MODESTO		UNCLASSIFIED	5.0	373.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
75.5	CARBONDALE		UNCLASSIFIED	13.5	378.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
62.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	392.0	
55.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	399.0	
51.5	CARBONDALE		UNCLASSIFIED	3.5	402.5	SHALE ABOVE BRERETON LIMESTONE
48.0	CARBONDALE	BRERETON	LIMESTONE	4.0	406.0	
44.0	CARBONDALE	ANNA	BLACK SHALE	5.0	410.0	
39.0	CARBONDALE	HERRIN	COAL	8.5	415.0	

MAPID: 02703099000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 33 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.438489 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.661686 DATE COLLECTED: 6 / 0 / 1953

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 407.5 LOG TYPE: Electric Log

SOURCE: GOLDSMITH FRED L WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
96.0	MODESTO	PIASA	LIMESTONE	7.0	355.0	
89.0	MODESTO		UNCLASSIFIED	6.0	362.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
83.0	CARBONDALE	DANVILLE	COAL	2.0	368.0	
81.0	CARBONDALE		UNCLASSIFIED	8.0	370.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
73.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	378.0	
64.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	387.0	
59.5	CARBONDALE		UNCLASSIFIED	4.5	391.5	SHALE ABOVE BRERETON LIMESTONE
55.0	CARBONDALE	BRERETON	LIMESTONE	3.0	396.0	
52.0	CARBONDALE	ANNA	BLACK SHALE	1.0	399.0	
51.0	CARBONDALE	HERRIN	COAL	7.5	400.0	

MAPID: 02703099000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 33 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.438489

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.661686

DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0

LOGGED (FT.): 408.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
96.0	MODESTO	PIASA	LIMESTONE	6.0	355.0	
90.0	MODESTO		SHALE	10.0	361.0	
80.0	CARBONDALE	DANVILLE	BONE COAL	1.0	371.0	
79.0	CARBONDALE		SHALE	4.0	372.0	
75.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	11.0	376.0	
64.0	CARBONDALE	LAWSON	SHALE	9.0	387.0	
55.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	396.0	
53.0	CARBONDALE	ANNA	SHALE	2.0	398.0	
51.0	CARBONDALE	HERRIN	COAL	8.0	400.0	

MAPID: 02700022000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 34 QUARTERS/FOOTAGES: SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.414019

GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.657305

DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0

LOGGED (FT.): 1387.0

LOG TYPE:

SOURCE: SURPASS OG 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	HERRIN	COAL	7.0	422.0	

MAPID: 02700022000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 34 QUARTERS/FOOTAGES: SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.414019

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.657305

DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 463.0

LOGGED (FT.): 429.0

LOG TYPE: Drillers Log

SOURCE: SURPASS OIL & GAS

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	CARBONDALE	HERRIN	COAL	7.0	422.0	

MAPID: 02700023000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 34 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.412825 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.654571 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 1020.0 **LOG TYPE:**
SOURCE: SHAFFER SM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02700023000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 34 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.412825 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.654571 **DATE COLLECTED:** 6 / 0 / 1911
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 410.0 **LOG TYPE:** Drillers Log
SOURCE: SHAFFER & SMATHERS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
58.0	CARBONDALE	HERRIN	COAL	6.0	404.0	

MAPID: 02701530000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE NW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.422179 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.661828 **DATE COLLECTED:** 3 / 0 / 1957
SURFACE ELEVATION (FT.): 454.0 **LOGGED (FT.):** 399.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
105.0	MODESTO	PIASA	LIMESTONE	5.0	349.0	
100.0	MODESTO		UNCLASSIFIED	4.0	354.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
96.0	CARBONDALE		UNCLASSIFIED	10.0	358.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
86.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	368.0	
78.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	376.0	
73.0	CARBONDALE		UNCLASSIFIED	5.0	381.0	SHALE ABOVE BRERETON LIMESTONE
68.0	CARBONDALE	BRERETON	LIMESTONE	4.5	386.0	
63.5	CARBONDALE	ANNA	BLACK SHALE	1.5	390.5	
62.0	CARBONDALE	HERRIN	COAL	7.0	392.0	

MAPID: 02702069000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 34 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.42217 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.660011 DATE COLLECTED: 9 / 0 / 1955

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 400.0 LOG TYPE: Electric Log

SOURCE: MONKEN, LELAND WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.0	MODESTO	PIASA	LIMESTONE	3.0	347.0	
113.0	MODESTO		UNCLASSIFIED	4.0	350.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
109.0	CARBONDALE	DANVILLE	COAL	2.0	354.0	
107.0	CARBONDALE		UNCLASSIFIED	13.5	356.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
93.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	369.5	
84.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	5.0	378.5	
79.5	CARBONDALE		UNCLASSIFIED	4.5	383.5	SHALE ABOVE BRERETON LIMESTONE
75.0	CARBONDALE	BRERETON	LIMESTONE	2.5	388.0	
72.5	CARBONDALE	ANNA	BLACK SHALE	1.5	390.5	
71.0	CARBONDALE	HERRIN	COAL	8.0	392.0	

MAPID: 02702069000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 34 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.42217 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.660011 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 402.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
113.0	MODESTO	PIASA	LIMESTONE	3.0	350.0	
110.0	MODESTO		SHALE	12.0	353.0	
98.0	CARBONDALE	DANVILLE	COAL	2.0	365.0	
96.0	CARBONDALE		SHALE	6.0	367.0	
90.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	373.0	
82.0	CARBONDALE	LAWSON	SHALE	11.0	381.0	
71.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	1.5	392.0	
69.5	CARBONDALE	ANNA	SHALE	1.5	393.5	
68.0	CARBONDALE	HERRIN	COAL	7.0	395.0	

MAPID: 02700024000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 35 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.394242 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.654583 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 474.3 **LOGGED (FT.):** 1166.0 **LOG TYPE:**
SOURCE: SNOWDEN BR 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.3	CARBONDALE	HERRIN	COAL	6.0	434.0	

MAPID: 02700024000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 35 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.394242 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.654583 **DATE COLLECTED:** 6 / 0 / 1911
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 440.0 **LOG TYPE:** Drillers Log
SOURCE: SNOWDEN BROS & CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	CARBONDALE	HERRIN	COAL	6.0	434.0	

MAPID: 02700025000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 36 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.384969 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.654597 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 481.1 **LOGGED (FT.):** 1110.0 **LOG TYPE:**
SOURCE: HERVEY 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.1	CARBONDALE	HERRIN	COAL	3.0	450.0	

MAPID: 02700025000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 3W **SECTION:** 36 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: STOLLETOWN **LONGITUDE:** -89.384969 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.654597 **DATE COLLECTED:** 6 / 0 / 1911
SURFACE ELEVATION (FT.): 481.0 **LOGGED (FT.):** 453.0 **LOG TYPE:** Drillers Log
SOURCE: HERVEY JOE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.0	CARBONDALE	HERRIN	COAL	3.0	450.0	

MAPID: 02701955000C VERSION: 1

PROJECT: J JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.375661 GEOLOGIST: J JOHNSON

CONFIDENTIAL: N LATITUDE: 38.661925 DATE COLLECTED:

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 1015.0 LOG TYPE: Electric Log

SOURCE: CORKWIN CORP. WELL TYPE: Oil and Gas Test

COMMENT: COLLECTED FOR JOEL JOHNSONS MS THESIS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-38.0	CARBONDALE	COLCHESTER	COAL	-	526.0	
-527.0	MISSISSIPPIAN	BEECH CREEK	UNCLASSIFIED	-	1015.0	

MAPID: 02701955000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.375661 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.661925 DATE COLLECTED: 11 / 0 / 1962

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 424.0 LOG TYPE: Electric Log

SOURCE: CORKWIN CORP. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	MODESTO	PIASA	LIMESTONE	4.5	380.0	
103.5	MODESTO		UNCLASSIFIED	3.5	384.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
100.0	CARBONDALE		UNCLASSIFIED	8.5	388.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
91.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	396.5	
84.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	404.0	
79.5	CARBONDALE		UNCLASSIFIED	4.5	408.5	SHALE ABOVE BRERETON LIMESTONE
75.0	CARBONDALE	BRERETON	LIMESTONE	2.0	413.0	
73.0	CARBONDALE	ANNA	BLACK SHALE	2.0	415.0	
71.0	CARBONDALE	HERRIN	COAL	7.0	417.0	

MAPID: 02702001000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.384943 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.661921 DATE COLLECTED: 7 / 0 / 1963

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: MITCHELL ROBERT J WELL TYPE: Dry Hole

COMMENT: NO DEPTH VALUES AVAILABLE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	MODESTO	PIASA	LIMESTONE	4.0		

MAPID: 02725341000C VERSION: 1

PROJECT: NCRDS88

COUNTY: CLINTON TWP/RNG: 3N 3W SECTION: 36 QUARTERS/FOOTAGES: 2420' S line, 2200' E line

QUADRANGLE: STOLLETOWN LONGITUDE: -89.379938 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 38.66037 DATE COLLECTED: 11 / 17 / 1981

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 430.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WI81-36-3C WELL TYPE: Coal Test

COMMENT: DENS. AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
485.0			UNCONSOLIDATED	60.0	0.0	
425.0	MODESTO		UNCLASSIFIED	72.0	60.0	
353.0	MODESTO	CHAPEL	SHALE	6.0	132.0	PROBABLY BLACK
347.0	MODESTO		UNCLASSIFIED	110.0	138.0	
237.0	MODESTO	LAKE CREEK	COAL	1.5	248.0	UNCERTAIN CORRELATION
235.5	MODESTO		UNCLASSIFIED	19.5	249.5	
216.0	MODESTO		LIMESTONE	4.0	269.0	
212.0	MODESTO		UNCLASSIFIED	7.5	273.0	
204.5	MODESTO		LIMESTONE	1.5	280.5	
203.0	MODESTO		UNCLASSIFIED	94.0	282.0	
109.0	CARBONDALE	DANVILLE	COAL	0.0	376.0	
109.0	CARBONDALE		UNCLASSIFIED	8.0	376.0	
101.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	384.0	
94.0	CARBONDALE		UNCLASSIFIED	15.0	391.0	
79.0	CARBONDALE	HERRIN	COAL	7.0	406.0	
72.0	CARBONDALE		UNCLASSIFIED	5.0	413.0	
67.0	CARBONDALE		LIMESTONE	1.5	418.0	
65.5	CARBONDALE		UNCLASSIFIED	10.5	419.5	

MAPID: 02701314000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NW

QUADRANGLE: ST. ROSE LONGITUDE: -89.550706 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.740966 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 351.5 LOG TYPE: Electric Log

SOURCE: PERRINE & PERRINE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
217.0	MODESTO	PIASA	LIMESTONE	3.0	308.0	
214.0	MODESTO		UNCLASSIFIED	4.5	311.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
209.5	CARBONDALE		UNCLASSIFIED	10.5	315.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
199.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	326.0	
192.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	332.5	
188.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	337.0	
186.0	CARBONDALE		UNCLASSIFIED	2.5	339.0	SHALE ABOVE BRERETON LIMESTONE
183.5	CARBONDALE	BRERETON	LIMESTONE	1.5	341.5	
182.0	CARBONDALE	ANNA	BLACK SHALE	2.0	343.0	
180.0	CARBONDALE	HERRIN	COAL	6.5	345.0	

MAPID: 02701520000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 4 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.545717 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.728335 DATE COLLECTED: 8 / 0 / 1952

SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 362.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
199.1	MODESTO	PIASA	LIMESTONE	5.0	318.9	
194.1	MODESTO		UNCLASSIFIED	4.0	323.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
190.1	CARBONDALE		UNCLASSIFIED	13.5	327.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
176.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	341.4	
169.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.3	348.9	
166.8	CARBONDALE		UNCLASSIFIED	2.3	351.2	SHALE ABOVE BRERETON LIMESTONE
164.5	CARBONDALE	BRERETON	LIMESTONE	1.0	353.5	
163.5	CARBONDALE	ANNA	BLACK SHALE	1.5	354.5	
162.0	CARBONDALE	HERRIN	COAL	6.0	356.0	

MAPID: 02701520000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 4 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.545717 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.728335 DATE COLLECTED:

SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 363.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
197.0	MODESTO	PIASA	LIMESTONE	5.0	321.0	
192.0	MODESTO		SHALE	9.0	326.0	
183.0	CARBONDALE	DANVILLE	COAL	2.0	335.0	
181.0	CARBONDALE		SHALE	6.0	337.0	
175.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	343.0	
169.0	CARBONDALE	LAWSON	SHALE	8.0	349.0	
161.0	CARBONDALE	HERRIN	COAL	6.0	357.0	

MAPID: 02701520000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 4 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.545717 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.728335 DATE COLLECTED: 8 / 0 / 1952

SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 490.0 LOG TYPE: Electric Log

SOURCE: CONREY, T. M. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
198.0	MODESTO	PIASA	UNCLASSIFIED	-	320.0	
184.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	334.0	
163.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	355.0	
148.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	370.0	POSSIBLE COAL HORIZON
112.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	406.0	
63.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	455.0	
28.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	490.0	

MAPID: 02701855000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 5 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.564414 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.739598 DATE COLLECTED: 5 / 0 / 1961

SURFACE ELEVATION (FT.): 526.0 LOGGED (FT.): 373.0 LOG TYPE: Electric Log

SOURCE: SMITH, HENRY P. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
198.0	MODESTO	PIASA	LIMESTONE	4.5	328.0	
193.5	MODESTO		UNCLASSIFIED	4.0	332.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
189.5	CARBONDALE		UNCLASSIFIED	14.5	336.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
175.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	351.0	
169.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	357.0	
166.0	CARBONDALE	CONANT	UNCLASSIFIED	1.0	360.0	
165.0	CARBONDALE		UNCLASSIFIED	3.0	361.0	SHALE ABOVE BRERETON LIMESTONE
162.0	CARBONDALE	BRERETON	LIMESTONE	3.0	364.0	
159.0	CARBONDALE	ANNA	BLACK SHALE	1.0	367.0	
158.0	CARBONDALE	HERRIN	COAL	5.0	368.0	

MAPID: 02701855000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 5 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.564414 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.739598 DATE COLLECTED:

SURFACE ELEVATION (FT.): 526.0 LOGGED (FT.): 373.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
200.0	MODESTO	PIASA	CALCAREOUS SHALE	7.0	326.0	
193.0	MODESTO		SHALE	10.0	333.0	
183.0	CARBONDALE	DANVILLE	COAL	2.0	343.0	
181.0	CARBONDALE		SHALE	7.0	345.0	
174.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	352.0	
170.0	CARBONDALE	LAWSON	SHALE	8.0	356.0	
162.0	CARBONDALE	HERRIN	COAL	9.0	364.0	

MAPID: 02701517000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 6 QUARTERS/FOOTAGES: 1980' S line, 330' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.595828 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.734135 DATE COLLECTED: 1 / 0 / 1952

SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 405.0 LOG TYPE: Electric Log

SOURCE: LINDSAY, THEODORE R. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
157.0	MODESTO	PIASA	LIMESTONE	6.0	366.0	
151.0	MODESTO		UNCLASSIFIED	3.5	372.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
147.5	CARBONDALE		UNCLASSIFIED	12.5	375.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
135.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.5	388.0	
129.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	393.5	
128.0	CARBONDALE		UNCLASSIFIED	1.0	395.0	SHALE ABOVE BRERETON LIMESTONE
127.0	CARBONDALE	BRERETON	LIMESTONE	2.0	396.0	
125.0	CARBONDALE	ANNA	BLACK SHALE	2.0	398.0	
123.0	CARBONDALE	HERRIN	COAL	5.0	400.0	

MAPID: 02701517000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 6 QUARTERS/FOOTAGES: 1980' S line, 330' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.595828 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.734135 DATE COLLECTED:

SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 407.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
157.0	MODESTO	PIASA	LIMESTONE	7.0	368.0	
150.0	MODESTO		SHALE	9.0	375.0	
141.0	CARBONDALE	DANVILLE	COAL	1.0	384.0	
140.0	CARBONDALE		SHALE	6.0	385.0	
134.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	391.0	
130.0	CARBONDALE	LAWSON	SHALE	3.0	395.0	
127.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	398.0	
125.0	CARBONDALE	ANNA	SHALE	2.0	400.0	
123.0	CARBONDALE	HERRIN	COAL	5.0	402.0	

MAPID: 02701672000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 7 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.584145 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.725682 DATE COLLECTED: 9 / 0 / 1958

SURFACE ELEVATION (FT.): 511.0 LOGGED (FT.): 372.5 LOG TYPE: Electric Log

SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
183.0	MODESTO	PIASA	LIMESTONE	4.0	328.0	
179.0	MODESTO		UNCLASSIFIED	3.5	332.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
175.5	CARBONDALE		UNCLASSIFIED	17.5	335.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
158.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	353.0	
152.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	359.0	
150.0	CARBONDALE		UNCLASSIFIED	2.0	361.0	SHALE ABOVE BRERETON LIMESTONE
148.0	CARBONDALE	BRERETON	LIMESTONE	1.0	363.0	
147.0	CARBONDALE	ANNA	BLACK SHALE	1.0	364.0	
146.0	CARBONDALE	HERRIN	COAL	7.5	365.0	

MAPID: 02701672000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 7 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.584145 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.725682 DATE COLLECTED:

SURFACE ELEVATION (FT.): 511.0 LOGGED (FT.): 373.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
183.0	MODESTO	PIASA	LIMESTONE	3.0	328.0	
180.0	MODESTO		SHALE	12.0	331.0	
168.0	CARBONDALE	DANVILLE	COAL	2.0	343.0	
166.0	CARBONDALE		SHALE	8.0	345.0	
158.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	353.0	
153.0	CARBONDALE	LAWSON	SHALE	7.0	358.0	
146.0	CARBONDALE	HERRIN	COAL	8.0	365.0	

MAPID: 02701818000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 7 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.57849 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.714638 DATE COLLECTED: 9 / 0 / 1960

SURFACE ELEVATION (FT.): 516.0 LOGGED (FT.): 341.0 LOG TYPE: Electric Log

SOURCE: SMITH, HENRY P. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
212.1	MODESTO	PIASA	LIMESTONE	5.0	303.9	
207.1	MODESTO		UNCLASSIFIED	3.0	308.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
204.1	CARBONDALE		UNCLASSIFIED	9.5	311.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
194.6	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	321.4	
187.6	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.8	328.4	
185.8	CARBONDALE		UNCLASSIFIED	1.8	330.2	SHALE ABOVE BRERETON LIMESTONE
184.0	CARBONDALE	BRERETON	LIMESTONE	1.0	332.0	
183.0	CARBONDALE	ANNA	BLACK SHALE	2.0	333.0	
181.0	CARBONDALE	HERRIN	COAL	6.0	335.0	

MAPID: 02701808000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 8 QUARTERS/FOOTAGES: NE SW SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.570592 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.716241 DATE COLLECTED: 6 / 0 / 1960

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 320.5 LOG TYPE: Electric Log

SOURCE: DEVELOP ASSOC INC WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
235.5	MODESTO	PIASA	LIMESTONE	5.5	274.5	
230.0	MODESTO		UNCLASSIFIED	3.0	280.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
227.0	CARBONDALE		UNCLASSIFIED	17.0	283.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
210.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	9.0	300.0	
201.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	309.0	
199.0	CARBONDALE		UNCLASSIFIED	2.0	311.0	SHALE ABOVE BRERETON LIMESTONE
197.0	CARBONDALE	ANNA	BLACK SHALE	1.0	313.0	
196.0	CARBONDALE	HERRIN	COAL	6.5	314.0	

MAPID: 02701808000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 8 QUARTERS/FOOTAGES: NE SW SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.570592 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.716241 DATE COLLECTED:

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 324.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
231.0	MODESTO	PIASA	LIMESTONE	5.0	279.0	
226.0	MODESTO		SHALE	9.0	284.0	
217.0	CARBONDALE	DANVILLE	COAL	3.0	293.0	
214.0	CARBONDALE		SHALE	9.0	296.0	
205.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	305.0	
200.0	CARBONDALE	LAWSON	SHALE	8.0	310.0	
192.0	CARBONDALE	HERRIN	COAL	6.0	318.0	

MAPID: 02701518000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 10 QUARTERS/FOOTAGES: 333' S line, 660' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.534616 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.713522 DATE COLLECTED: 4 / 0 / 1951

SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 385.0 LOG TYPE: Electric Log

SOURCE: FULK OIL COMPANY WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
170.0	MODESTO	PIASA	LIMESTONE	4.0	344.0	
166.0	MODESTO		UNCLASSIFIED	3.0	348.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
163.0	CARBONDALE		UNCLASSIFIED	10.5	351.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
152.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	361.5	
146.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	368.0	
142.0	CARBONDALE		UNCLASSIFIED	4.0	372.0	SHALE ABOVE BRERETON LIMESTONE
138.0	CARBONDALE	ANNA	BLACK SHALE	3.0	376.0	
135.0	CARBONDALE	HERRIN	COAL	6.0	379.0	

MAPID: 02701518000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 10 QUARTERS/FOOTAGES: 333' S line, 660' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.534616

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.713522

DATE COLLECTED:

SURFACE ELEVATION (FT.): 516.0

LOGGED (FT.): 386.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
168.0	MODESTO	PIASA	LIMESTONE	4.0	348.0
164.0	MODESTO		SHALE	6.0	352.0
158.0	CARBONDALE		SHALE	6.0	358.0
152.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	364.0
148.0	CARBONDALE	LAWSON	SHALE	14.0	368.0
134.0	CARBONDALE	HERRIN	COAL	4.0	382.0

MAPID: 02700285000C VERSION: 1

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 11 QUARTERS/FOOTAGES: 1900' S line, 950' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.503036 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.717016 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.6 LOGGED (FT.): 334.7 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE CO., #2 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.6			CLAY	31.0	0.0	
441.6	BOND	CARTHAGE	LIMESTONE	4.0	31.0	
437.6	MODESTO		UNDERCLAY	35.0	35.0	W/ BONE COAL
402.6	MODESTO		ROCK	25.0	70.0	LIMEY SH, BKSH, FIRECLY
377.6	MODESTO		ROCK	32.0	95.0	SANDY SH, LS, LIMEY SH
345.6	MODESTO		CALCAREOUS SHALE	13.0	127.0	
332.6	MODESTO		ROCK	31.0	140.0	SS, SH, LS
301.6	MODESTO		SHALE	10.0	171.0	
291.6	MODESTO	CHAPEL	COAL	1.0	181.0	
290.6	MODESTO		SHALE	18.0	182.0	
272.6	MODESTO		ROCK	39.5	200.0	SS, SH, LS
233.1	MODESTO		LIMESTONE W/ SHALE	30.5	239.5	SANDY SH
202.6	MODESTO		ROCK	28.0	270.0	SS, LS, SH (LIMEY, RED)
174.6	MODESTO		CALCAREOUS SHALE	7.5	298.0	
167.1	MODESTO		CLAYSTONE & LIMESTONE	2.0	305.5	FIRECLAY AND LS
165.1	MODESTO		UNDERCLAY	2.5	307.5	
162.6	MODESTO	PIASA	LIMESTONE	3.7	310.0	
158.9	MODESTO		UNDERCLAY	0.3	313.7	
158.6	MODESTO		SHALE	4.3	314.0	
154.3	MODESTO		UNDERCLAY	2.5	318.3	
151.8	MODESTO		BLACK SHALE	1.2	320.8	
150.6	CARBONDALE	DANVILLE	COAL	2.2	322.0	
148.4	CARBONDALE		UNDERCLAY	3.3	324.2	
145.2	CARBONDALE	BANKSTON FORK	LIMESTONE	6.6	327.4	

MAPID: 02700285000C VERSION: 2

PROJECT: NCRDS87

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 11 QUARTERS/FOOTAGES: 1900' S line, 950' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.503036 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 38.717016 DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.6 LOGGED (FT.): 334.7 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.6			UNCONSOLIDATED	31.0	0.0	
441.6	BOND	CARTHAGE	LIMESTONE	9.0	31.0	UNCERTAIN CORRELATION
432.6	MODESTO		UNDERCLAY	30.0	40.0	
402.6	MODESTO		UNCLASSIFIED	57.0	70.0	
345.6	MODESTO		SHALE	13.0	127.0	
332.6	MODESTO		UNCLASSIFIED	31.0	140.0	
301.6	MODESTO		SHALE	10.0	171.0	
291.6	MODESTO		COAL	0.1	181.0	
291.5	MODESTO		SHALE	18.9	181.1	
272.6	MODESTO		UNCLASSIFIED	39.5	200.0	
233.1	MODESTO		SHALE	66.0	239.5	
167.1	CARBONDALE	DANVILLE	LIMESTONE	8.2	305.5	
158.9	CARBONDALE		UNDERCLAY	0.3	313.7	
158.6	CARBONDALE		SHALE	4.3	314.0	
154.3	CARBONDALE		UNDERCLAY	2.5	318.3	
151.8	CARBONDALE	ANNA	BLACK SHALE	1.2	320.8	
150.6	CARBONDALE	HERRIN	COAL	2.2	322.0	
148.4	CARBONDALE		UNDERCLAY	3.3	324.2	
145.2	CARBONDALE		LIMESTONE	7.3	327.4	

MAPID: 02700286000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 16 QUARTERS/FOOTAGES: 175' S line, 830' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.552072 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.699093 DATE COLLECTED:

SURFACE ELEVATION (FT.): 511.5 LOGGED (FT.): 390.0 LOG TYPE:

SOURCE: DONK BROS 6 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
138.5	CARBONDALE	HERRIN	COAL	7.0	373.0	

MAPID: 02700286000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 16 QUARTERS/FOOTAGES: 175' S line, 830' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.552072 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.699093 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 511.0 LOGGED (FT.): 380.0 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
138.0	CARBONDALE	HERRIN	COAL	7.0	373.0	

MAPID: 02700286000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 16 QUARTERS/FOOTAGES: 175' S line, 830' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.552072 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.699093 DATE COLLECTED:

SURFACE ELEVATION (FT.): 511.5 LOGGED (FT.): 390.0 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE, #6 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
511.5			CLAY	12.0	0.0	
499.5			SAND	7.0	12.0	
492.5			CLAY	4.0	19.0	
488.5	BOND		SHALE	8.0	23.0	
480.5	BOND	CARTHAGE	LIMESTONE	7.0	31.0	
473.5	MODESTO		BLACK SHALE	4.0	38.0	
469.5	MODESTO		SANDY SHALE	55.0	42.0	
414.5	MODESTO		BLACK SHALE	3.0	97.0	
411.5	MODESTO		UNDERCLAY	4.0	100.0	
407.5	MODESTO		SANDY CLAYSTONE	20.0	104.0	W/ LS NODS ("BOULDERS")
387.5	MODESTO		SANDY SHALE	66.0	124.0	
321.5	MODESTO		CLAYSTONE & SHALE	14.0	190.0	W/ LS PARTINGS
307.5	MODESTO		CONGLOMERATE & LIMESTONE	1.0	204.0	
306.5	MODESTO		BLACK SHALE	3.0	205.0	
303.5	MODESTO		LIMESTONE	0.8	208.0	
302.7	MODESTO	CHAPEL	COAL	1.3	208.8	
301.5	MODESTO		UNDERCLAY	3.0	210.0	
298.5	MODESTO		SANDY SHALE	5.0	213.0	
293.5	MODESTO		LIMESTONE	0.5	218.0	
293.0	MODESTO		SANDY SHALE	64.5	218.5	
228.5	MODESTO		CLAYSTONE & SHALE	30.0	283.0	
198.5	MODESTO		LIMESTONE	0.8	313.0	
197.7	MODESTO		SHALE	7.3	313.8	W/ LS PARTINGS
190.5	MODESTO		SANDY SHALE	13.0	321.0	
177.5	MODESTO	PIASA	LIMESTONE	13.0	334.0	
164.5	CARBONDALE		UNDERCLAY	5.0	347.0	W/ LS PEBBLES
159.5	CARBONDALE		SHALE	6.0	352.0	W/ LS PARTINGS
153.5	CARBONDALE	BANKSTON FORK	LIMESTONE	10.0	358.0	
143.5	CARBONDALE		SHALE	4.0	368.0	
139.5	CARBONDALE	JAMESTOWN	COAL	0.3	372.0	
139.2	CARBONDALE	ANNA	BLACK SHALE	0.5	372.3	
138.7	CARBONDALE	ANNA	LIMESTONE	0.3	372.8	PROBABLY A CONCRETION
138.5	CARBONDALE	HERRIN	COAL	7.0	373.0	
131.5	CARBONDALE		UNDERCLAY	5.0	380.0	
126.5	CARBONDALE		SHALE	5.0	385.0	

MAPID: 02700287000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 17 QUARTERS/FOOTAGES: 2300' N line, 2150' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.566224 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.707048 DATE COLLECTED:

SURFACE ELEVATION (FT.): 520.6 LOGGED (FT.): 354.0 LOG TYPE:

SOURCE: SCHRAGE WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
195.6	CARBONDALE	HERRIN	COAL	-	325.0	

MAPID: 02700541000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.565641 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.705262 DATE COLLECTED: 7 / 0 / 1940

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 332.5 LOG TYPE: Electric Log

SOURCE: TATUM, W S WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
220.1	MODESTO	PIASA	LIMESTONE	7.5	289.9	
212.6	MODESTO		UNCLASSIFIED	3.5	297.4	INTERVAL ABOVE DANVILLE, BELOW PIASA
209.1	CARBONDALE		UNCLASSIFIED	8.0	300.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
201.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	308.9	
193.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	316.9	
190.3	CARBONDALE		UNCLASSIFIED	2.8	319.7	SHALE ABOVE BRERETON LIMESTONE
187.5	CARBONDALE	BRERETON	LIMESTONE	1.0	322.5	
186.5	CARBONDALE	ANNA	BLACK SHALE	1.5	323.5	
185.0	CARBONDALE	HERRIN	COAL	7.5	325.0	

MAPID: 02701519000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 17 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.563374 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.707016 DATE COLLECTED: 7 / 0 / 1951

SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 336.0 LOG TYPE: Electric Log

SOURCE: RUDY JOHN W EST WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
213.0	MODESTO	PIASA	LIMESTONE	5.0	293.0	
208.0	MODESTO		UNCLASSIFIED	4.0	298.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
204.0	CARBONDALE		UNCLASSIFIED	10.0	302.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
194.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	312.0	
188.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	318.0	
185.0	CARBONDALE		UNCLASSIFIED	3.0	321.0	SHALE ABOVE BRERETON LIMESTONE
182.0	CARBONDALE	BRERETON	LIMESTONE	2.0	324.0	
180.0	CARBONDALE	ANNA	BLACK SHALE	2.0	326.0	
178.0	CARBONDALE	HERRIN	COAL	8.0	328.0	

MAPID: 02701519000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 17 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.563374 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.707016 DATE COLLECTED:

SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 335.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
213.0	MODESTO	PIASA	LIMESTONE	5.0	293.0	
208.0	MODESTO		SHALE	10.0	298.0	
198.0	CARBONDALE	DANVILLE	COAL	1.0	308.0	
197.0	CARBONDALE		SHALE	3.0	309.0	
194.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	312.0	
190.0	CARBONDALE	LAWSON	SHALE	7.0	316.0	
183.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	323.0	
178.0	CARBONDALE	HERRIN	COAL	7.0	328.0	

MAPID: 02701519000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 17 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.563374 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.707016 DATE COLLECTED: 7 / 0 / 1951

SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 460.0 LOG TYPE: Electric Log

SOURCE: RUDY JOHN W EST WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
214.0	MODESTO	PIASA	UNCLASSIFIED	-	292.0	
176.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	330.0	
166.0	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0	340.0	POSSIBLE COAL HORIZON
128.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	378.0	
80.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	426.0	
46.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	460.0	

MAPID: 02700288000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 18 QUARTERS/FOOTAGES: 1450' S line, 150' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.574222 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.703175 DATE COLLECTED:

SURFACE ELEVATION (FT.): 488.3 LOGGED (FT.): 325.0 LOG TYPE:

SOURCE: DONK BROS 1 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.3	CARBONDALE	HERRIN	COAL	7.5	307.0	

MAPID: 02700288000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 18 QUARTERS/FOOTAGES: 1450' S line, 150' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.574222 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.703175 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 314.5 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.0	CARBONDALE	HERRIN	COAL	7.5	307.0	

MAPID: 02700288000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 18 QUARTERS/FOOTAGES: 1450' S line, 150' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.574222 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.703175 DATE COLLECTED:

SURFACE ELEVATION (FT.): 488.3 LOGGED (FT.): 325.0 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE, #1 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
488.3			UNCONSOLIDATED	62.0	0.0	
426.3	MODESTO		CLAYSTONE & SHALE	25.0	62.0	
401.3	MODESTO		LIMESTONE	1.5	87.0	
399.8	MODESTO		SANDSTONE	1.5	88.5	
398.3	MODESTO		CLAYSTONE & SHALE	41.0	90.0	
357.3	MODESTO		CONGLOMERATE & LIMESTONE	0.8	131.0	
356.5	MODESTO		BLACK SHALE	3.0	131.8	
353.5	MODESTO		CONGLOMERATE & LIMESTONE	0.8	134.8	
352.8	MODESTO	CHAPEL	COAL	1.0	135.5	
351.8	MODESTO		SANDY CLAYSTONE	6.0	136.5	
345.8	MODESTO		SANDY SHALE	2.5	142.5	
343.3	MODESTO		LIMESTONE	4.5	145.0	
338.8	MODESTO		SANDSTONE	4.0	149.5	
334.8	MODESTO		SANDY SHALE	36.5	153.5	
298.3	MODESTO		CLAYSTONE & SHALE	65.0	190.0	
233.3	MODESTO		UNDERCLAY	3.0	255.0	
230.3	MODESTO		LIMESTONE	5.0	258.0	
225.3	MODESTO		UNDERCLAY	5.0	263.0	W/ LS PEBBLES
220.3	MODESTO	PIASA	LIMESTONE	10.0	268.0	
210.3	MODESTO		UNDERCLAY	5.0	278.0	
205.3	MODESTO		SHALE	2.0	283.0	
203.3	CARBONDALE	DANVILLE	COAL	0.8	285.0	
202.5	CARBONDALE		UNDERCLAY	1.3	285.8	
201.3	CARBONDALE		SHALE	4.0	287.0	
197.3	CARBONDALE		LIMESTONE	11.0	291.0	
186.3	CARBONDALE	ANNA	BLACK SHALE	4.5	302.0	
181.8	CARBONDALE	HERRIN	COAL	7.5	306.5	
174.3	CARBONDALE		UNDERCLAY	4.0	314.0	
170.3	CARBONDALE		LIMESTONE	1.0	318.0	
169.3	CARBONDALE		LIMESTONE	3.8	319.0	
165.5	CARBONDALE		UNDERCLAY	2.3	322.8	

MAPID: 02701603000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 18 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.586475 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.705775 DATE COLLECTED: 11 / 0 / 1957

SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 364.0 LOG TYPE: Electric Log

SOURCE: OHIO OIL CO., THE WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
195.5	MODESTO	PIASA	LIMESTONE	6.0	324.5	
189.5	MODESTO		UNCLASSIFIED	3.0	330.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
186.5	CARBONDALE		UNCLASSIFIED	10.5	333.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
176.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	5.0	344.0	
171.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.5	349.0	
169.5	CARBONDALE		UNCLASSIFIED	1.5	350.5	SHALE ABOVE BRERETON LIMESTONE
168.0	CARBONDALE	BRERETON	LIMESTONE	3.5	352.0	
164.5	CARBONDALE	ANNA	BLACK SHALE	3.5	355.5	
161.0	CARBONDALE	HERRIN	COAL	5.0	359.0	

MAPID: 02701603000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 18 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.586475 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.705775 DATE COLLECTED:

SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 365.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
196.0	MODESTO	PIASA	LIMESTONE	6.0	324.0	
190.0	MODESTO		SHALE	9.0	330.0	
181.0	CARBONDALE	DANVILLE	COAL	2.0	339.0	
179.0	CARBONDALE		SHALE	4.0	341.0	
175.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	345.0	
172.0	CARBONDALE	LAWSON	SHALE	5.0	348.0	
167.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	3.0	353.0	
164.0	CARBONDALE	ANNA	SHALE	4.0	356.0	
160.0	CARBONDALE	HERRIN	COAL	5.0	360.0	

MAPID: 02701521000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 22 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.530406 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.689791 DATE COLLECTED: 12 / 0 / 1944

SURFACE ELEVATION (FT.): 487.0 LOGGED (FT.): 377.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.5	MODESTO	PIASA	LIMESTONE	4.0	337.5	
145.5	MODESTO		UNCLASSIFIED	4.0	341.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
141.5	CARBONDALE		UNCLASSIFIED	10.0	345.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
131.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	355.5	
123.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	363.5	
120.5	CARBONDALE		UNCLASSIFIED	3.0	366.5	SHALE ABOVE BRERETON LIMESTONE
117.5	CARBONDALE	ANNA	BLACK SHALE	1.5	369.5	
116.0	CARBONDALE	HERRIN	COAL	6.0	371.0	

MAPID: 02701521000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 22 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.530406 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.689791 DATE COLLECTED:

SURFACE ELEVATION (FT.): 487.0 LOGGED (FT.): 388.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
146.0	MODESTO	PIASA	LIMESTONE	3.0	341.0	
143.0	MODESTO		SHALE	10.0	344.0	
133.0	CARBONDALE		SHALE	7.0	354.0	
126.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	361.0	
123.0	CARBONDALE	LAWSON	SHALE	9.0	364.0	
114.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	7.0	373.0	
107.0	CARBONDALE	ANNA	SHALE	2.0	380.0	
105.0	CARBONDALE	HERRIN	COAL	6.0	382.0	

MAPID: 02701521000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 22 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.530406 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.689791 DATE COLLECTED: 12 / 0 / 1944

SURFACE ELEVATION (FT.): 487.0 LOGGED (FT.): 650.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF, NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
147.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	340.0	
105.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	382.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		NO IDENTIFIABLE HORIZON
65.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	422.0	
17.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	470.0	
-23.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	510.0	
-163.0	BASE OF PENN.		UNCLASSIFIED	-	650.0	

MAPID: 02701565000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 24 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.486321 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.688776 DATE COLLECTED: 6 / 0 / 1957

SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 383.5 LOG TYPE: Electric Log

SOURCE: DEHNN GEORGE H WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
123.0	MODESTO	PIASA	LIMESTONE	2.5	342.0	
120.5	MODESTO		UNCLASSIFIED	4.5	344.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
116.0	CARBONDALE		UNCLASSIFIED	12.5	349.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
103.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	361.5	
97.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	367.5	
93.5	CARBONDALE		UNCLASSIFIED	4.0	371.5	SHALE ABOVE BRERETON LIMESTONE
89.5	CARBONDALE	ANNA	BLACK SHALE	2.5	375.5	
87.0	CARBONDALE	HERRIN	COAL	5.5	378.0	

MAPID: 02701679000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 25 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.488314 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.677882 DATE COLLECTED: 12 / 0 / 1958

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 389.0 LOG TYPE: Electric Log

SOURCE: GULF OIL CORPORATION WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.5	MODESTO	PIASA	LIMESTONE	3.5	344.5	
115.0	MODESTO		UNCLASSIFIED	4.5	348.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.5	CARBONDALE		UNCLASSIFIED	12.5	352.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
98.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.5	365.0	
90.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	372.5	
86.5	CARBONDALE		UNCLASSIFIED	4.0	376.5	SHALE ABOVE BRERETON LIMESTONE
82.5	CARBONDALE	ANNA	BLACK SHALE	2.5	380.5	
80.0	CARBONDALE	HERRIN	COAL	6.0	383.0	

MAPID: 02701679000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 25 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.488314 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.677882 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 390.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	MODESTO	PIASA	LIMESTONE	2.0	345.0	
116.0	MODESTO		SHALE	11.0	347.0	
105.0	CARBONDALE	DANVILLE	COAL	3.0	358.0	
102.0	CARBONDALE		SHALE	6.0	361.0	
96.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	367.0	
90.0	CARBONDALE	LAWSON	SHALE	10.0	373.0	
80.0	CARBONDALE	HERRIN	COAL	7.0	383.0	

MAPID: 02700026000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 4W **SECTION:** 26 **QUARTERS/FOOTAGES:** 3800' S line, 1650' W line
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.511516 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.67887 **DATE COLLECTED:** 0 / 0 / 1906
SURFACE ELEVATION (FT.): 447.7 **LOGGED (FT.):** 530.0 **LOG TYPE:**
SOURCE: BECHTOLDHA0010 **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
59.7	CARBONDALE	HERRIN	COAL	5.8	388.0	

MAPID: 02700026000C **VERSION:** 2 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 4W **SECTION:** 26 **QUARTERS/FOOTAGES:** 3800' S line, 1650' W line
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.511516 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.67887 **DATE COLLECTED:** 5 / 0 / 1906
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 393.8 **LOG TYPE:** Drillers Log
SOURCE: NO COMPANY **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
60.0	CARBONDALE	HERRIN	COAL	5.8	388.0	

MAPID: 02700027000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 4W **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.509086 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.674688 **DATE COLLECTED:** 0 / 0 / 1911
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1100.0 **LOG TYPE:**
SOURCE: ASSOC PROD **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
72.0	CARBONDALE	HERRIN	COAL	-	388.0	

MAPID: 02701292000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: ST. ROSE LONGITUDE: -89.534785 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.677171 DATE COLLECTED: 10 / 0 / 1956

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 384.5 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Structure Test

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
143.0	MODESTO	PIASA	LIMESTONE	3.0	338.0	
140.0	MODESTO		UNCLASSIFIED	6.0	341.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
134.0	CARBONDALE		UNCLASSIFIED	13.0	347.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
121.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	360.0	
115.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	366.0	
111.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	370.0	
109.0	CARBONDALE		UNCLASSIFIED	2.0	372.0	SHALE ABOVE BRERETON LIMESTONE
107.0	CARBONDALE	BRERETON	LIMESTONE	4.0	374.0	
103.0	CARBONDALE	ANNA	BLACK SHALE	2.0	378.0	
101.0	CARBONDALE	HERRIN	COAL	4.5	380.0	

MAPID: 02701522000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 27 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.52527 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.669645 DATE COLLECTED: 1 / 0 / 1952

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: EITELJORG HARRISON WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
140.5	MODESTO	PIASA	LIMESTONE	3.5	337.5	
137.0	MODESTO		UNCLASSIFIED	3.0	341.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
134.0	CARBONDALE		UNCLASSIFIED	10.0	344.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
124.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	4.0	354.0	
120.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.0	358.0	
116.0	CARBONDALE	CONANT	UNCLASSIFIED	3.0	362.0	
113.0	CARBONDALE		UNCLASSIFIED	2.0	365.0	SHALE ABOVE BRERETON LIMESTONE
111.0	CARBONDALE	BRERETON	LIMESTONE	4.0	367.0	
107.0	CARBONDALE	ANNA	BLACK SHALE	2.0	371.0	
105.0	CARBONDALE	HERRIN	COAL	5.0	373.0	

MAPID: 02701522000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 27 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.52527 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.669645 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 377.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
140.0	MODESTO	PIASA	LIMESTONE	3.0	338.0	
137.0	MODESTO		SHALE	7.0	341.0	
130.0	CARBONDALE	DANVILLE	COAL	1.0	348.0	
129.0	CARBONDALE		SHALE	5.0	349.0	
124.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	354.0	
121.0	CARBONDALE	LAWSON	SHALE	8.0	357.0	
113.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	6.0	365.0	
107.0	CARBONDALE	ANNA	SHALE	2.0	371.0	
105.0	CARBONDALE	HERRIN	COAL	4.0	373.0	

MAPID: 02701515000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 29 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.562775 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.683351 DATE COLLECTED: 5 / 0 / 1944

SURFACE ELEVATION (FT.): 508.0 LOGGED (FT.): 377.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.5	MODESTO	PIASA	LIMESTONE	7.5	334.5	
166.0	MODESTO		UNCLASSIFIED	3.0	342.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
163.0	CARBONDALE		UNCLASSIFIED	11.0	345.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
152.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	356.0	
144.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.0	364.0	
142.0	CARBONDALE		UNCLASSIFIED	2.0	366.0	SHALE ABOVE BRERETON LIMESTONE
140.0	CARBONDALE	BRERETON	LIMESTONE	2.0	368.0	
138.0	CARBONDALE	ANNA	BLACK SHALE	1.0	370.0	
137.0	CARBONDALE	HERRIN	COAL	6.0	371.0	

MAPID: 02701515000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 29 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.562775 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.683351 DATE COLLECTED:

SURFACE ELEVATION (FT.): 508.0 LOGGED (FT.): 377.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.0	MODESTO	PIASA	LIMESTONE	8.0	335.0	
165.0	MODESTO		SHALE	5.0	343.0	
160.0	CARBONDALE	DANVILLE	COAL	4.0	348.0	
156.0	CARBONDALE		SHALE	5.0	352.0	
151.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	357.0	
145.0	CARBONDALE	LAWSON	SHALE	8.0	363.0	
137.0	CARBONDALE	HERRIN	COAL	6.0	371.0	

MAPID: 02701515000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 29 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: ST. ROSE LONGITUDE: -89.562775 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.683351 DATE COLLECTED: 5 / 0 / 1944

SURFACE ELEVATION (FT.): 508.0 LOGGED (FT.): 782.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
175.0	MODESTO	PIASA	UNCLASSIFIED	-	333.0	
138.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	370.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
83.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	425.0	
20.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	488.0	
-12.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	520.0	
-274.0	BASE OF PENN.		UNCLASSIFIED	-	782.0	

MAPID: 02726531000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 29 QUARTERS/FOOTAGES: 150' S line, 420' W line of SW SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.571315 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 38.67034 DATE COLLECTED: 5 / 14 / 1965

SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 379.1 LOG TYPE: Other Core Study

SOURCE: CARTER OIL WF-226 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.7	CARBONDALE	HERRIN	COAL	7.0	361.3	CLEAN COAL, SEE LOG
-	CARBONDALE	HERRIN	ROCK	0.1		TOTAL IN-SEAM PARTINGS- SEE LOG

MAPID: 02703107000C VERSION: 1

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 31 QUARTERS/FOOTAGES: SW

QUADRANGLE: ST. ROSE LONGITUDE: -89.589606 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.659467 DATE COLLECTED: 11 / 0 / 1905

SURFACE ELEVATION (FT.): LOGGED (FT.): 369.0 LOG TYPE: Drillers Log

SOURCE: DONK BROS COAL & COKE, #3 WELL TYPE: Coal Test

COMMENT: NO ELEV. GIVEN, 1 MORE HOLE W/ SIM DATA

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNCONSOLIDATED	46.8	0.0	
-	BOND		CLAYSTONE & SHALE	23.0	46.8	
-	BOND	CARTHAGE	LIMESTONE	4.3	69.8	
-	MODESTO		CLAYSTONE & SHALE	1.0	74.0	
-	MODESTO		BLACK SHALE	7.0	75.0	
-	MODESTO		CLAYSTONE & SHALE	4.3	82.0	
-	MODESTO	WOMAC	COAL	1.0	86.3	
-	MODESTO		UNDERCLAY	0.8	87.3	
-	MODESTO		ROCK	31.0	88.0	CLYST,SH,LS
-	MODESTO		CONGLOMERATE & LIMESTONE	1.5	119.0	
-	MODESTO		BLACK SHALE	0.5	120.5	
-	MODESTO		CLAYSTONE & SHALE	13.0	121.0	
-	MODESTO		SHALE	5.0	134.0	
-			CONGLOMERATE & LIMESTONE	2.5	139.0	
-			LIMESTONE	1.5	141.5	
-			COAL	0.3	143.0	
-			SHALE	2.8	143.3	
-			SANDY SHALE	32.0	146.0	W/LS PARTINGS
-			SANDY SHALE	58.0	178.0	SS PARTINGS
-			SANDY SHALE	6.0	236.0	
-			SANDSTONE	20.0	242.0	
-			LIMESTONE	2.0	262.0	
-			CLAYSTONE & SILTSTONE	2.0	264.0	
-			SHALE	2.0	266.0	
-			UNDERCLAY	5.0	268.0	
-			LIMESTONE	3.0	273.0	
-			UNDERCLAY	2.0	276.0	
-			LIMESTONE	15.0	278.0	
-			UNDERCLAY	6.0	293.0	
-	MODESTO		SHALE	8.0	299.0	
-	MODESTO		CLAYSTONE & SHALE	1.0	307.0	
-	MODESTO		SHALE	6.0	308.0	
-	MODESTO		UNDERCLAY	2.0	314.0	
-	MODESTO	PIASA	LIMESTONE	9.0	316.0	
-	MODESTO		UNDERCLAY	7.0	325.0	
-	MODESTO		CLAYSTONE & SHALE	2.3	332.0	W/LS "BOULDERS" PROB CONCR.
-	CARBONDALE	DANVILLE	COAL	1.5	334.3	
-	CARBONDALE		UNDERCLAY	2.3	335.8	

-	CARBONDALE		SHALE	5.0	338.0
-	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	343.0
-	CARBONDALE		SHALE	1.0	349.0
-	CARBONDALE	BRERETON	LIMESTONE	5.0	350.0
-	CARBONDALE	ANNA	BLACK SHALE	2.5	355.0
-	CARBONDALE	HERRIN	COAL	6.8	357.5
-	CARBONDALE		UNDERCLAY	0.5	364.3
-	CARBONDALE		LIMESTONE	4.3	364.8

MAPID: 02700605000C **VERSION:** 1 **PROJECT:** CIRC 71
COUNTY: CLINTON **TWP/RNG:** 3N 4W **SECTION:** 32 **QUARTERS/FOOTAGES:** 660' N line, 660' E line
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.5566 **GEOLOGIST:** J.N. PAYNE
CONFIDENTIAL: N **LATITUDE:** 38.667756 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 483.0 **LOGGED (FT.):** 1164.0 **LOG TYPE:**
SOURCE: BROWN **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
108.0	CARBONDALE	HERRIN	COAL	5.0	375.0	DEPTH UNCERTAIN

MAPID: 02701516000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 4W **SECTION:** 32 **QUARTERS/FOOTAGES:** 660' N line, 660' E line
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.5566 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.667756 **DATE COLLECTED:** 6 / 0 / 1971
SURFACE ELEVATION (FT.): 485.0 **LOGGED (FT.):** 365.0 **LOG TYPE:** Drillers Log
SOURCE: OELZE, ELMER JR. **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
166.6	MODESTO	PIASA	LIMESTONE	8.5	318.4	
158.1	MODESTO		UNCLASSIFIED	2.5	326.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
155.6	CARBONDALE		UNCLASSIFIED	12.5	329.4	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
143.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	341.9	
136.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.8	348.9	
133.3	CARBONDALE		UNCLASSIFIED	2.8	351.7	SHALE ABOVE BRERETON LIMESTONE
130.5	CARBONDALE	BRERETON	LIMESTONE	1.0	354.5	
129.5	CARBONDALE	ANNA	BLACK SHALE	1.5	355.5	
128.0	CARBONDALE	HERRIN	COAL	8.0	357.0	

MAPID: 02701516000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 32 QUARTERS/FOOTAGES: 660' N line, 660' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.5566 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.667756 DATE COLLECTED:

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
164.0	MODESTO	PIASA	LIMESTONE	10.0	321.0
154.0	MODESTO		SHALE	6.0	331.0
148.0	CARBONDALE	DANVILLE	COAL	3.0	337.0
145.0	CARBONDALE		SHALE	7.0	340.0
138.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	347.0
132.0	CARBONDALE	LAWSON	SHALE	5.0	353.0
127.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	11.0	358.0
116.0	CARBONDALE	ANNA	SHALE	4.0	369.0
112.0	CARBONDALE	HERRIN	COAL	5.0	373.0

MAPID: 02700289000C VERSION: 1

PROJECT: CIRC 71

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 33 QUARTERS/FOOTAGES: 400' N line, 1400' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.54936 GEOLOGIST: J.N. PAYNE

CONFIDENTIAL: N LATITUDE: 38.668281 DATE COLLECTED:

SURFACE ELEVATION (FT.): 476.2 LOGGED (FT.): 375.0 LOG TYPE:

SOURCE: DONK BROS 4 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
118.2	CARBONDALE	HERRIN	COAL	7.0	358.0

MAPID: 02700289000C VERSION: 2

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 33 QUARTERS/FOOTAGES: 400' N line, 1400' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.54936 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.668281 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 365.0 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
155.1	MODESTO	PIASA	LIMESTONE	5.0	320.9	
150.1	MODESTO		UNCLASSIFIED	4.0	325.9	INTERVAL ABOVE DANVILLE, BELOW PIASA
146.1	CARBONDALE		UNCLASSIFIED	11.0	329.9	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
135.1	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	10.0	340.9	
125.1	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	350.9	
121.6	CARBONDALE	JAMESTOWN	COAL	0.3	354.4	
121.3	CARBONDALE	BRERETON	LIMESTONE	1.3	354.7	
120.0	CARBONDALE	ANNA	BLACK SHALE	2.0	356.0	
118.0	CARBONDALE	HERRIN	COAL	7.0	358.0	

MAPID: 02700289000C VERSION: 3

PROJECT: NCRDS90

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 33 QUARTERS/FOOTAGES: 400' N line, 1400' W line

QUADRANGLE: ST. ROSE LONGITUDE: -89.54936 GEOLOGIST: S.SROKA

CONFIDENTIAL: N LATITUDE: 38.668281 DATE COLLECTED:

SURFACE ELEVATION (FT.): 476.2 LOGGED (FT.): 375.0 LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE, #4 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
476.2			UNCONSOLIDATED	24.0	0.0	
452.2			SAND	5.0	24.0	
447.2			CLAY	8.0	29.0	
439.2	BOND	CARTHAGE	LIMESTONE	6.5	37.0	
432.7	MODESTO		UNDERCLAY	0.5	43.5	
432.2	MODESTO		SHALE	2.0	44.0	
430.2	MODESTO		BLACK SHALE	4.0	46.0	
426.2	MODESTO		CLAYSTONE & SHALE	3.5	50.0	
422.7	MODESTO	WOMAC	COAL	1.0	53.5	
421.7	MODESTO		UNDERCLAY	0.5	54.5	
421.2	MODESTO		SANDY SHALE	17.0	55.0	
404.2	MODESTO		CLAYSTONE & SHALE	3.0	72.0	
401.2	MODESTO		CONGLOMERATE & LIMESTONE	3.0	75.0	
398.2	MODESTO		BLACK SHALE	4.0	78.0	
394.2	MODESTO		UNDERCLAY	6.0	82.0	
388.2	MODESTO		SANDY SHALE	99.0	88.0	
289.2	MODESTO		CLAYSTONE & SHALE	10.0	187.0	W/ BROWN LS PARTINGS
279.2	MODESTO		CONGLOMERATE & LIMESTONE	1.0	197.0	
278.2	MODESTO		BLACK SHALE	4.5	198.0	
273.7	MODESTO	CHAPEL	COAL	1.5	202.5	
272.2	MODESTO		UNDERCLAY	3.0	204.0	
269.2	MODESTO		SANDY SHALE	14.5	207.0	W/ SS PARTINGS
254.7	MODESTO		LIMESTONE	1.5	221.5	
253.2	MODESTO		SANDY SHALE	3.0	223.0	
250.2	MODESTO		CLAYSTONE & SHALE	69.0	226.0	
181.2	MODESTO		SANDY SHALE	11.0	295.0	
170.2	MODESTO		LIMESTONE	0.5	306.0	
169.7	MODESTO		SHALE	0.5	306.5	
169.2	MODESTO		UNDERCLAY	2.0	307.0	
167.2	MODESTO		SHALE	7.0	309.0	
160.2	MODESTO	PIASA	LIMESTONE	10.0	316.0	
150.2	MODESTO		UNDERCLAY	5.0	326.0	W/ LS PEBBLES
145.2	MODESTO		SHALE	4.5	331.0	
140.7	CARBONDALE	DANVILLE	COAL	2.5	335.5	
138.2	CARBONDALE		SHALE	4.5	338.0	
133.7	CARBONDALE	BANKSTON FORK	LIMESTONE	8.5	342.5	
125.2	CARBONDALE		SHALE	3.5	351.0	
121.7	CARBONDALE	JAMESTOWN	COAL	0.3	354.5	

121.4	CARBONDALE	BRERETON	LIMESTONE	1.3	354.8
120.2	CARBONDALE	ANNA	BLACK SHALE	2.0	356.0
118.2	CARBONDALE	HERRIN	COAL	7.0	358.0
111.2	CARBONDALE		UNDERCLAY	2.0	365.0
109.2	CARBONDALE		LIMESTONE	8.0	367.0

MAPID: 02701552000C **VERSION:** 1 **PROJECT:** D JOHNSON
COUNTY: CLINTON **TWP/RNG:** 3N 4W **SECTION:** 33 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.54605 **GEOLOGIST:** D. JOHNSON
CONFIDENTIAL: N **LATITUDE:** 38.662927 **DATE COLLECTED:** 6 / 0 / 1957
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 391.5 **LOG TYPE:** Electric Log
SOURCE: PEP DRILLING COMPANY **WELL TYPE:** Dry Hole
COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.5	MODESTO	PIASA	LIMESTONE	5.0	347.5	
127.5	MODESTO		UNCLASSIFIED	4.0	352.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
123.5	CARBONDALE		UNCLASSIFIED	12.0	356.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
111.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	368.5	
105.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	2.5	375.0	
102.5	CARBONDALE		UNCLASSIFIED	3.0	377.5	SHALE ABOVE BRERETON LIMESTONE
99.5	CARBONDALE	BRERETON	LIMESTONE	3.0	380.5	
96.5	CARBONDALE	ANNA	BLACK SHALE	1.5	383.5	
95.0	CARBONDALE	HERRIN	COAL	6.5	385.0	

MAPID: 02701552000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: CLINTON **TWP/RNG:** 3N 4W **SECTION:** 33 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: ST. ROSE **LONGITUDE:** -89.54605 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.662927 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 482.0 **LOGGED (FT.):** 393.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.0	MODESTO	PIASA	LIMESTONE	6.0	351.0	
125.0	MODESTO		SHALE	7.0	357.0	
118.0	CARBONDALE	DANVILLE	COAL	2.0	364.0	
116.0	CARBONDALE		SHALE	6.0	366.0	
110.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	372.0	
105.0	CARBONDALE	LAWSON	SHALE	7.0	377.0	
98.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	384.0	
96.0	CARBONDALE	ANNA	SHALE	2.0	386.0	
94.0	CARBONDALE	HERRIN	COAL	5.0	388.0	

MAPID: 02701552000C VERSION: 3

PROJECT: IDMM-GWQX

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 33 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: ST. ROSE LONGITUDE: -89.54605 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.662927 DATE COLLECTED: 6 / 0 / 1957

SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 532.0 LOG TYPE: Electric Log

SOURCE: PEP DRILLING COMPANY WELL TYPE: Producer-Oil

COMMENT: ELEV. IS SURF,NOT LOG DATUM: DEPTHS OFF

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
131.0	MODESTO	PIASA	UNCLASSIFIED	-	349.0	
115.0	CARBONDALE	DANVILLE	UNCLASSIFIED	-	365.0	
93.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	387.0	
-	CARBONDALE	SPRINGFIELD	UNCLASSIFIED	0.0		
37.0	CARBONDALE	HOUCHIN CREEK	UNCLASSIFIED	-	443.0	
-16.0	CARBONDALE	SURVANT	UNCLASSIFIED	-	496.0	
-52.0	CARBONDALE	COLCHESTER	UNCLASSIFIED	-	532.0	

MAPID: 02700429000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 34 QUARTERS/FOOTAGES: 250' N line, 2300' E line

QUADRANGLE: ST. ROSE LONGITUDE: -89.525188 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.668046 DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 334.0 LOG TYPE: Drillers Log

SOURCE: LINDSEY, ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	CARBONDALE	HERRIN	COAL	4.0	330.0	

MAPID: 02701030000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.520415 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.660408 DATE COLLECTED: 5 / 0 / 1944

SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 380.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN ALOYS WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
133.0	MODESTO	PIASA	LIMESTONE	4.0	335.0	
129.0	MODESTO		UNCLASSIFIED	2.0	339.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
127.0	CARBONDALE	DANVILLE	COAL	3.0	341.0	
124.0	CARBONDALE		UNCLASSIFIED	11.0	344.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
113.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	355.0	
106.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	1.0	362.0	
105.0	CARBONDALE	CONANT	UNCLASSIFIED	2.0	363.0	
103.0	CARBONDALE		UNCLASSIFIED	2.0	365.0	SHALE ABOVE BRERETON LIMESTONE
101.0	CARBONDALE	BRERETON	LIMESTONE	3.0	367.0	
98.0	CARBONDALE	ANNA	BLACK SHALE	3.0	370.0	
95.0	CARBONDALE	HERRIN	COAL	7.0	373.0	

MAPID: 02701030000C VERSION: 2

PROJECT: CONTROL

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: ST. ROSE LONGITUDE: -89.520415 GEOLOGIST: HINES

CONFIDENTIAL: N LATITUDE: 38.660408 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 1063.0 LOG TYPE: Survey Sample Study

SOURCE: SCHIERMANN ALOYS WELL TYPE: Oil and Gas Test

COMMENT: OILWELLS LOGGED BY COAL SECT-LOGS IN GRU

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			NO RECORD	0.0	0.0	

MAPID: 02701514000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON

TWP/RNG: 3N 4W

SECTION: 34

QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: ST. ROSE

LONGITUDE: -89.527379

GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N

LATITUDE: 38.658761

DATE COLLECTED: 10 / 0 / 1953

SURFACE ELEVATION (FT.): 468.0

LOGGED (FT.): 378.5

LOG TYPE: Electric Log

SOURCE: DORAN THOMAS S

WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.5	MODESTO	PIASA	LIMESTONE	3.5	335.5	
129.0	MODESTO		UNCLASSIFIED	4.5	339.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
124.5	CARBONDALE		UNCLASSIFIED	11.5	343.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
113.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	355.0	
106.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	361.5	
103.0	CARBONDALE		UNCLASSIFIED	3.5	365.0	SHALE ABOVE BRERETON LIMESTONE
99.5	CARBONDALE	BRERETON	LIMESTONE	2.0	368.5	
97.5	CARBONDALE	ANNA	BLACK SHALE	1.5	370.5	
96.0	CARBONDALE	HERRIN	COAL	6.5	372.0	

MAPID: 02701514000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON

TWP/RNG: 3N 4W

SECTION: 34

QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: ST. ROSE

LONGITUDE: -89.527379

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.658761

DATE COLLECTED:

SURFACE ELEVATION (FT.): 468.0

LOGGED (FT.): 379.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
132.0	MODESTO	PIASA	LIMESTONE	3.0	336.0	
129.0	MODESTO		SHALE	11.0	339.0	
118.0	CARBONDALE	DANVILLE	COAL	2.0	350.0	
116.0	CARBONDALE		SHALE	3.0	352.0	
113.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	355.0	
107.0	CARBONDALE	LAWSON	SHALE	7.0	361.0	
100.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	5.0	368.0	
95.0	CARBONDALE	HERRIN	COAL	6.0	373.0	

MAPID: 02703311000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: ST. ROSE LONGITUDE: -89.527483 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.664236 DATE COLLECTED: 1 / 0 / 1967

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 376.5 LOG TYPE: Electric Log

SOURCE: KROHN, WM. H. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
138.0	MODESTO	PIASA	LIMESTONE	4.0	336.0	
134.0	MODESTO		UNCLASSIFIED	3.0	340.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
131.0	CARBONDALE		UNCLASSIFIED	12.0	343.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
119.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	355.0	
112.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	362.0	
109.0	CARBONDALE		UNCLASSIFIED	3.0	365.0	SHALE ABOVE BRERETON LIMESTONE
106.0	CARBONDALE	ANNA	BLACK SHALE	2.0	368.0	
104.0	CARBONDALE	HERRIN	COAL	6.5	370.0	

MAPID: 02701523000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 35 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.499479 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.658149 DATE COLLECTED: 7 / 0 / 1951

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 387.0 LOG TYPE: Electric Log

SOURCE: GOLDSCHMIDT, E J WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.0	MODESTO	PIASA	LIMESTONE	4.0	344.0	
107.0	MODESTO		UNCLASSIFIED	4.0	348.0	INTERVAL ABOVE DANVILLE, BELOW PIASA
103.0	CARBONDALE		UNCLASSIFIED	10.5	352.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
92.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.5	362.5	
86.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	4.5	369.0	
81.5	CARBONDALE	CONANT	UNCLASSIFIED	1.5	373.5	
80.0	CARBONDALE		UNCLASSIFIED	2.0	375.0	SHALE ABOVE BRERETON LIMESTONE
78.0	CARBONDALE	BRERETON	LIMESTONE	3.0	377.0	
75.0	CARBONDALE	ANNA	BLACK SHALE	2.0	380.0	
73.0	CARBONDALE	HERRIN	COAL	5.0	382.0	

MAPID: 02701523000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 35 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.499479 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.658149 DATE COLLECTED:

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 385.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
111.0	MODESTO	PIASA	LIMESTONE	3.0	342.0	
108.0	MODESTO		SHALE	9.0	345.0	
99.0	CARBONDALE	DANVILLE	COAL	2.0	354.0	
97.0	CARBONDALE		LIMESTONE	6.0	356.0	
91.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	362.0	
88.0	CARBONDALE	LAWSON	LIMESTONE	9.0	365.0	
79.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	4.0	374.0	
75.0	CARBONDALE	ANNA	SHALE	2.0	378.0	
73.0	CARBONDALE	HERRIN	COAL	5.0	380.0	

MAPID: 02701524000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.485456 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.654098 DATE COLLECTED: 9 / 0 / 1952

SURFACE ELEVATION (FT.): 438.0 LOGGED (FT.): 378.0 LOG TYPE: Electric Log

SOURCE: JONES E FRANK WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.0	MODESTO	PIASA	LIMESTONE	3.5	332.0	
102.5	MODESTO		UNCLASSIFIED	5.0	335.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
97.5	CARBONDALE		UNCLASSIFIED	13.0	340.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
84.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	7.0	353.5	
77.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	360.5	
74.0	CARBONDALE		UNCLASSIFIED	3.5	364.0	SHALE ABOVE BRERETON LIMESTONE
70.5	CARBONDALE	BRERETON	LIMESTONE	3.0	367.5	
67.5	CARBONDALE	ANNA	BLACK SHALE	1.5	370.5	
66.0	CARBONDALE	HERRIN	COAL	6.0	372.0	

MAPID: 02701525000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.490309 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.665139 DATE COLLECTED: 9 / 0 / 1951

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 382.5 LOG TYPE: Electric Log

SOURCE: ANDERSON, F. E. & SON WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
106.5	MODESTO	PIASA	LIMESTONE	3.0	334.5	
103.5	MODESTO		UNCLASSIFIED	5.0	337.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
98.5	CARBONDALE		UNCLASSIFIED	15.5	342.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
83.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.0	358.0	
75.0	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.0	366.0	
72.0	CARBONDALE		UNCLASSIFIED	3.0	369.0	SHALE ABOVE BRERETON LIMESTONE
69.0	CARBONDALE	BRERETON	LIMESTONE	1.5	372.0	
67.5	CARBONDALE	ANNA	BLACK SHALE	1.5	373.5	
66.0	CARBONDALE	HERRIN	COAL	7.5	375.0	

MAPID: 02703109000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 36 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.480839 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.65577 DATE COLLECTED: 8 / 0 / 1951

SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 374.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Producer-Oil

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.5	MODESTO	PIASA	LIMESTONE	3.0	326.5	
113.5	MODESTO		UNCLASSIFIED	3.5	329.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
110.0	CARBONDALE		UNCLASSIFIED	14.0	333.0	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
96.0	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	8.5	347.0	
87.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	3.5	355.5	
84.0	CARBONDALE		UNCLASSIFIED	3.5	359.0	SHALE ABOVE BRERETON LIMESTONE
80.5	CARBONDALE	BRERETON	LIMESTONE	3.0	362.5	
77.5	CARBONDALE	ANNA	BLACK SHALE	1.5	365.5	
76.0	CARBONDALE	HERRIN	COAL	7.0	367.0	

MAPID: 02703109000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 36 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: STOLLETOWN LONGITUDE: -89.480839 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.65577 DATE COLLECTED:

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 372.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
116.0	MODESTO	PIASA	LIMESTONE	3.0	324.0	
113.0	MODESTO		SHALE	9.0	327.0	
104.0	CARBONDALE	DANVILLE	COAL	2.0	336.0	
102.0	CARBONDALE		LIMESTONE	7.0	338.0	
95.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	345.0	
89.0	CARBONDALE	LAWSON	SHALE	9.0	351.0	
80.0	CARBONDALE	BRERETON	LIMESTONE & SHALE	2.0	360.0	
78.0	CARBONDALE	ANNA	SHALE	2.0	362.0	
76.0	CARBONDALE	HERRIN	COAL	8.0	364.0	

MAPID: 02703112000C VERSION: 1

PROJECT: D JOHNSON

COUNTY: CLINTON TWP/RNG: 3N 4W SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 400' W line of SE SW

QUADRANGLE: STOLLETOWN LONGITUDE: -89.49224 GEOLOGIST: D. JOHNSON

CONFIDENTIAL: N LATITUDE: 38.656125 DATE COLLECTED: 6 / 0 / 1952

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 396.0 LOG TYPE: Electric Log

SOURCE: TWAIN, MARK OIL PROD. WELL TYPE: Dry Hole

COMMENT: LOG TYPE UNCERTAIN, PROBABLY AN E-LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
98.0	MODESTO	PIASA	LIMESTONE	6.5	347.0	
91.5	MODESTO		UNCLASSIFIED	3.0	353.5	INTERVAL ABOVE DANVILLE, BELOW PIASA
88.5	CARBONDALE		UNCLASSIFIED	12.0	356.5	INTERVAL ABOVE BANKSTON, BELOW DANVILLE
76.5	CARBONDALE	BANKSTON FORK	UNCLASSIFIED	6.0	368.5	
70.5	CARBONDALE	ANVIL ROCK	UNCLASSIFIED	6.0	374.5	
64.5	CARBONDALE	CONANT	UNCLASSIFIED	3.0	380.5	
61.5	CARBONDALE		UNCLASSIFIED	2.0	383.5	SHALE ABOVE BRERETON LIMESTONE
59.5	CARBONDALE	BRERETON	LIMESTONE	3.0	385.5	
56.5	CARBONDALE	ANNA	BLACK SHALE	1.5	388.5	
55.0	CARBONDALE	HERRIN	COAL	6.0	390.0	