

Status Report



Total Records: 648

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
Fayette	648	Electric Log	360	HERRIN	495	HERRIN COAL	495
		Drillers Log	41	SPRINGFIELD	270	CARTHAGE LIMESTONE	380
		Company map	25	DANVILLE	120	SPRINGFIELD COAL	270

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
MILLERSVILLE	LIMESTONE	84.0	84.0	84.0	23.0	23.0	23.0
CARTHAGE	LIMESTONE	380.5	79.0	628.0	5.3	5.0	5.5
WEST FRANKLIN	LIMESTONE	188.0	165.0	222.0	7.0	4.0	18.0
PIASA	LIMESTONE	556.3	392.0	692.0	5.2	0.5	9.0
DANVILLE	COAL	606.8	327.5	772.5	2.5	0.7	5.0
GALUM	LIMESTONE	638.5	483.5	737.0	2.3	1.0	3.5
BANKSTON FORK	LIMESTONE	602.5	426.0	790.0	6.1	1.0	15.0
LAWSON	SHALE	613.9	430.0	797.5	7.2	0.5	21.0
CONANT	LIMESTONE	598.7	470.0	759.0	1.8	1.0	3.0
JAMESTOWN	COAL	687.2	613.5	743.0	1.3	0.3	2.6
BRERETON	LIMESTONE	627.0	436.0	801.5	3.7	0.5	9.3
ANNA	SHALE	647.2	437.0	803.5	2.8	0.5	5.7
ENERGY	SHALE	728.0	728.0	728.0	6.0	6.0	6.0
HERRIN	COAL	640.7	389.0	930.0	5.5	1.0	10.5
BRIAR HILL	COAL	496.3	444.0	544.0	2.1	1.0	3.0
TURNER MINE	SHALE	696.8	696.8	696.8	1.2	1.2	1.2
SPRINGFIELD	COAL	697.0	471.0	976.0	3.3	0.5	8.5
HOUCHIN CREEK	COAL	666.6	592.0	782.0	2.6	2.0	3.8
SURVANT	COAL	673.0	638.0	720.0	1.8	0.8	4.0
COLCHESTER	COAL	746.4	685.0	832.0	5.0	5.0	5.0
DEKOVEN	COAL	767.0	720.0	814.0	2.4	2.3	2.5
DAVIS	COAL	779.8	755.0	821.0	4.7	3.7	5.7
CARRIER MILLS	SHALE	811.4	786.0	850.0	-	-	-
ROCK ISLAND	COAL	930.5	821.0	1027.0	4.7	2.0	9.0
				Net Coal	35.9		

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: 05100001000C **VERSION:** 1 **PROJECT:** MTCARMEL
COUNTY: FAYETTE **TWP/RNG:** 1S 12W **SECTION:** 22 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: EAST MOUNT CARMEL **LONGITUDE:** -87.734898 **GEOLOGIST:** JACOBSON
CONFIDENTIAL: N **LATITUDE:** 38.409986 **DATE COLLECTED:** 7 / 1 / 1946
SURFACE ELEVATION (FT.): 393.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: TIDEWATER ASSC. OIL CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
226.0	SHELBURN	WEST FRANKLIN	LIMESTONE	4.0	167.0
43.0	SHELBURN	DANVILLE	COAL	2.8	350.0
-2.0	CARBONDALE	HERRIN	COAL	3.5	395.0
-110.0	CARBONDALE	SPRINGFIELD	COAL	4.0	503.0
-231.0	CARBONDALE	HOUCHIN CREEK	COAL	2.5	624.0
-246.0	CARBONDALE	SURVANT	COAL	4.0	639.0
-324.0	CARBONDALE	COLCHESTER	COAL	-	717.0
-327.0	CARBONDALE	DEKOVEN	COAL	2.3	720.0
-362.0	CARBONDALE	DAVIS	COAL	5.0	755.0
-393.0	TRADEWATER	CARRIER MILLS	BLACK SHALE	-	786.0

MAPID: 05100002000C VERSION: 1

PROJECT: MTCARMEL

COUNTY: FAYETTE TWP/RNG: 1S 12W SECTION: 27 QUARTERS/FOOTAGES: 165' N line, 330' E line of NE

QUADRANGLE: EAST MOUNT CARMEL LONGITUDE: -87.72496 GEOLOGIST: JACOBSON

CONFIDENTIAL: N LATITUDE: 38.406998 DATE COLLECTED: 5 / 1 / 1946

SURFACE ELEVATION (FT.): 391.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: BLACKHAWK COAL CORP WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
226.0	SHELburn	WEST FRANKLIN	LIMESTONE	4.0	165.0
44.0	SHELburn	DANVILLE	COAL	2.5	347.0
-14.0	CARBONDALE	HERRIN	COAL	3.5	405.0
-63.0	CARBONDALE	BRIAR HILL	COAL	3.0	454.0
-124.0	CARBONDALE	SPRINGFIELD	COAL	4.0	515.0
-217.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	608.0
-247.0	CARBONDALE	SURVANT	COAL	0.8	638.0
-339.0	CARBONDALE	COLCHESTER	COAL	-	730.0
-374.0	CARBONDALE	DAVIS	COAL	5.0	765.0
-408.0	TRADEWATER	CARRIER MILLS	BLACK SHALE	-	799.0

MAPID: 05100003000C VERSION: 1

PROJECT: MTCARMEL

COUNTY: FAYETTE TWP/RNG: 1S 12W SECTION: 28 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: EAST MOUNT CARMEL LONGITUDE: -87.743764 GEOLOGIST: JACOBSON

CONFIDENTIAL: N LATITUDE: 38.406631 DATE COLLECTED: 6 / 1 / 1946

SURFACE ELEVATION (FT.): 394.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: OLDS OIL CO. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
222.0	SHELburn	WEST FRANKLIN	LIMESTONE	4.0	172.0
47.0	SHELburn	DANVILLE	COAL	2.0	347.0
5.0	CARBONDALE	HERRIN	COAL	3.5	389.0
-50.0	CARBONDALE	BRIAR HILL	COAL	1.0	444.0
-91.0	CARBONDALE	SPRINGFIELD	COAL	5.0	485.0
-198.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	592.0
-339.0	CARBONDALE	COLCHESTER	COAL	-	733.0
-375.0	CARBONDALE	DAVIS	COAL	5.7	769.0
-408.0	TRADEWATER	CARRIER MILLS	BLACK SHALE	-	802.0

MAPID: 05100004000C VERSION: 1

PROJECT: MTCARMEL

COUNTY: FAYETTE TWP/RNG: 2S 12W SECTION: 3 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: OWENSVILLE LONGITUDE: -87.734556 GEOLOGIST: JACOBSON

CONFIDENTIAL: N LATITUDE: 38.369248 DATE COLLECTED: 5 / 1 / 1947

SURFACE ELEVATION (FT.): 394.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: C.E. SKILES WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
180.0	SHELburn	WEST FRANKLIN	LIMESTONE	18.0	214.0	FORMS TWO BENCHES WITH SHALE PARTING
-20.0	SHELburn	DANVILLE	COAL	2.5	414.0	
-63.0	CARBONDALE	HERRIN	COAL	3.7	457.0	
-149.0	CARBONDALE	BRIAR HILL	COAL	1.5	543.0	
-191.0	CARBONDALE	SPRINGFIELD	COAL	8.5	585.0	
-271.0	CARBONDALE	HOUCHIN CREEK	COAL	3.8	665.0	
-301.0	CARBONDALE	SURVANT	COAL	1.7	695.0	
-359.0	CARBONDALE	COLCHESTER	COAL	-	753.0	
-395.0	CARBONDALE	DAVIS	COAL	4.0	789.0	
-426.0	TRADEWATER	CARRIER MILLS	BLACK SHALE	-	820.0	

MAPID: 05100005000C VERSION: 1

PROJECT: MTCARMEL

COUNTY: FAYETTE TWP/RNG: 2S 12W SECTION: 4 QUARTERS/FOOTAGES: NE NW NW

QUADRANGLE: MOUNT CARMEL LONGITUDE: -87.758314 GEOLOGIST: JACOBSON

CONFIDENTIAL: N LATITUDE: 38.376927 DATE COLLECTED: 11 / 1 / 1945

SURFACE ELEVATION (FT.): 394.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: R.E. JOHNSON WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
172.0	SHELburn	WEST FRANKLIN	LIMESTONE	5.0	222.0	
-38.0	SHELburn	DANVILLE	COAL	3.7	432.0	
-80.0	CARBONDALE	HERRIN	COAL	3.5	474.0	
-150.0	CARBONDALE	BRIAR HILL	COAL	3.0	544.0	
-171.0	CARBONDALE	SPRINGFIELD	COAL	5.0	565.0	
-287.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	681.0	
-326.0	CARBONDALE	SURVANT	COAL	0.8	720.0	
-381.0	CARBONDALE	COLCHESTER	COAL	-	775.0	
-420.0	CARBONDALE	DEKOVEN	COAL	2.5	814.0	
-427.0	CARBONDALE	DAVIS	COAL	3.7	821.0	
-456.0	TRADEWATER	CARRIER MILLS	BLACK SHALE	-	850.0	

MAPID: 05100958000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 2 QUARTERS/FOOTAGES: 1650' S line, 1650' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.162652 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.815289 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 2940.0 LOG TYPE:

SOURCE: WEBB F E, MUELLER 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
325.0	BOND	CARTHAGE	LIMESTONE	-	150.0
-33.0	CARBONDALE	HERRIN	COAL	-	508.0

MAPID: 05100958000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 2 QUARTERS/FOOTAGES: 1650' S line, 1650' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.162652 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.815289 DATE COLLECTED:

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 513.0 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
21.0	MODESTO	PIASA	LIMESTONE	6.0	454.0
15.0	MODESTO		SHALE	16.0	460.0
-1.0	CARBONDALE	DANVILLE	COAL	1.5	476.0
-2.5	CARBONDALE		SHALE	6.0	477.5
-8.5	CARBONDALE	GALUM	LIMESTONE	2.5	483.5
-11.0	CARBONDALE		SHALE	6.0	486.0
-17.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	492.0
-23.0	CARBONDALE	LAWSON	SHALE	7.0	498.0
-30.0	CARBONDALE	BRERETON	LIMESTONE	3.0	505.0
-33.0	CARBONDALE	HERRIN	COAL	5.0	508.0

MAPID: 05100958000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 2 QUARTERS/FOOTAGES: 1650' S line, 1650' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.162652 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.815289 DATE COLLECTED:

SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 548.0 LOG TYPE: Electric Log

SOURCE: WEBB, F. E., ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	CARBONDALE	HERRIN	COAL	5.0	507.0
-69.0	CARBONDALE	SPRINGFIELD	COAL	4.0	544.0

MAPID: 05101420000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 4N 1W **SECTION:** 2 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.174177 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.817641 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 549.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
289.0	BOND	CARTHAGE	LIMESTONE	-	160.0
-56.0	CARBONDALE	HERRIN	COAL	5.0	505.0
-97.0	CARBONDALE	SPRINGFIELD	COAL	3.0	546.0

MAPID: 05100631000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 4N 1W **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.178816 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.812434 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 1681.0 **LOG TYPE:**
SOURCE: ALLIED OPC, MUELLER A 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
232.0	BOND	CARTHAGE	LIMESTONE	-	220.0
-92.0	CARBONDALE	HERRIN	COAL	-	544.0

MAPID: 05101282000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 4N 1W **SECTION:** 4 **QUARTERS/FOOTAGES:** 430' N line, 330' E line of NW NE
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.199547 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.825959 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 547.0 **LOG TYPE:** Electric Log
SOURCE: SIMPSON, C. J. DRLG. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
283.0	BOND	CARTHAGE	LIMESTONE	-	165.0
-57.0	CARBONDALE	HERRIN	COAL	3.0	505.0
-96.0	CARBONDALE	SPRINGFIELD	COAL	3.0	544.0

MAPID: 05101479000C VERSION: 1

PROJECT: CGT-SCILL

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

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.204112 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.813682 DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 524.0 LOG TYPE: Electric Log

SOURCE: SIMPSON, C. J. DRLG. CO. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-75.0	CARBONDALE	SPRINGFIELD	COAL	3.0	521.0

MAPID: 05101479000C VERSION: 2

PROJECT: ROOF STUDY

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

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.204112 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.813682 DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 490.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
17.0	MODESTO	PIASA	LIMESTONE & SHALE	6.0	434.0
11.0	MODESTO		SHALE	21.0	440.0
-10.0	CARBONDALE	DANVILLE	COAL	1.0	461.0
-11.0	CARBONDALE		SHALE	4.0	462.0
-15.0	CARBONDALE		SHALE	4.0	466.0
-19.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	470.0
-21.0	CARBONDALE	LAWSON	SHALE	5.0	472.0
-26.0	CARBONDALE	CONANT	LIMESTONE	1.0	477.0
-27.0	CARBONDALE		SHALE	3.5	478.0
-30.5	CARBONDALE	BRERETON	LIMESTONE	3.0	481.5
-33.5	CARBONDALE	ANNA	SHALE	1.0	484.5
-35.0	CARBONDALE	HERRIN	COAL	4.0	486.0

MAPID: 05101283000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.225206 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.805543 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 500.0 LOG TYPE: Electric Log
 SOURCE: SIMPSON, C. J. DRLG. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
326.0	BOND	CARTHAGE	LIMESTONE	-	125.0	
-9.0	CARBONDALE	HERRIN	COAL	4.0	460.0	
-45.0	CARBONDALE	SPRINGFIELD	COAL	4.0	496.0	

MAPID: 05100632000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 9 QUARTERS/FOOTAGES: 660' S line, 330' W line of SE SE
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.197305 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.799596 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 589.0 LOG TYPE: Electric Log
 SOURCE: ALLIED OIL CORP. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-133.0	CARBONDALE	SPRINGFIELD	COAL	4.0	585.0	

MAPID: 05101284000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 9 QUARTERS/FOOTAGES: 990' S line, 990' W line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.208778 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.801152 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 531.0 LOG TYPE: Electric Log
 SOURCE: CARTER RALPH M WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
337.0	BOND	CARTHAGE	LIMESTONE	-	114.0	
-39.0	CARBONDALE	HERRIN	COAL	4.0	490.0	
-77.0	CARBONDALE	SPRINGFIELD	COAL	3.0	528.0	

MAPID: 05101284000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 9 QUARTERS/FOOTAGES: 990' S line, 990' W line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.208778

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.801152

DATE COLLECTED:

SURFACE ELEVATION (FT.): 451.0

LOGGED (FT.): 484.0

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
11.0	MODESTO	PIASA	LIMESTONE	4.0	440.0
7.0	MODESTO		SHALE	18.0	444.0
-11.0	CARBONDALE		SHALE	6.0	462.0
-17.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	468.0
-21.0	CARBONDALE	LAWSON	SHALE	8.0	472.0
-29.0	CARBONDALE	BRERETON	LIMESTONE	6.0	480.0
-29.0	CARBONDALE	HERRIN	COAL	4.0	480.0

MAPID: 05101480000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 10 QUARTERS/FOOTAGES: 990' S line, 2310' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.183604

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.799808

DATE COLLECTED:

SURFACE ELEVATION (FT.): 454.0

LOGGED (FT.): 551.0

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	LIMESTONE	4.0	495.0
-45.0	MODESTO		SHALE	23.0	499.0
-68.0	CARBONDALE	DANVILLE	COAL	2.5	522.0
-70.5	CARBONDALE		SHALE	5.5	524.5
-76.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	530.0
-80.0	CARBONDALE	LAWSON	SHALE	7.0	534.0
-87.0	CARBONDALE	BRERETON	LIMESTONE	3.0	541.0
-90.0	CARBONDALE	ANNA	SHALE	3.0	544.0
-93.0	CARBONDALE	HERRIN	COAL	5.0	547.0

MAPID: 05101992000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 620' E line of SW
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.186819 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.803682 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 601.0 LOG TYPE: Electric Log
 SOURCE: SIMPSON, C. J. DRLG. CO. WELL TYPE: Service Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
258.0	BOND	CARTHAGE	LIMESTONE	-	198.0
-101.0	CARBONDALE	HERRIN	COAL	5.0	557.0
-142.0	CARBONDALE	SPRINGFIELD	COAL	3.0	598.0

MAPID: 05101999000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SW
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.190422 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.800183 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 596.0 LOG TYPE: Electric Log
 SOURCE: BECK, CHARLES S. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-139.0	CARBONDALE	SPRINGFIELD	COAL	4.0	592.0

MAPID: 05100633000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 13 QUARTERS/FOOTAGES: 1650' N line, 660' E line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.140539 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.790473 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 498.0 LOGGED (FT.): 3056.0 LOG TYPE:
 SOURCE: ANGELA12OC, OATES 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
267.0	BOND	CARTHAGE	LIMESTONE	-	231.0
-101.0	CARBONDALE	HERRIN	COAL	-	599.0

MAPID: 05100633000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 13 QUARTERS/FOOTAGES: 1650' N line, 660' E line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.140539 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.790473 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 498.0 LOGGED (FT.): 603.5 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-61.0	MODESTO		SHALE	15.0	559.0
-76.0	CARBONDALE	DANVILLE	COAL	3.0	574.0
-79.0	CARBONDALE		SHALE	4.5	577.0
-83.5	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	581.5
-90.5	CARBONDALE	LAWSON	SHALE	4.0	588.5
-94.5	CARBONDALE	BRERETON	LIMESTONE	3.5	592.5
-98.0	CARBONDALE	ANNA	SHALE	2.0	596.0
-100.0	CARBONDALE	HERRIN	COAL	5.5	598.0

MAPID: 05100633000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 13 QUARTERS/FOOTAGES: 1650' N line, 660' E line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.140539 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.790473 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 498.0 LOGGED (FT.): 641.0 LOG TYPE: Electric Log
 SOURCE: ANGELIA TWELVE OIL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
266.0	BOND	CARTHAGE	LIMESTONE	-	232.0
-101.0	CARBONDALE	HERRIN	COAL	6.0	599.0
-140.0	CARBONDALE	SPRINGFIELD	COAL	3.0	638.0

MAPID: 05100066000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 14 QUARTERS/FOOTAGES: NE NE NW
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.167326 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.795365 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 1462.0 LOG TYPE:
 SOURCE: WHSNT&TRD, CARTER 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
277.0	BOND	CARTHAGE	LIMESTONE	-	206.0
-75.0	CARBONDALE	HERRIN	COAL	-	558.0

MAPID: 05101071000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.162638 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.787839 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 586.0 LOG TYPE: Electric Log
 SOURCE: SHULMAN BROS. INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
283.0	BOND	CARTHAGE	LIMESTONE	-	197.0
-62.0	CARBONDALE	HERRIN	COAL	5.0	542.0
-103.0	CARBONDALE	SPRINGFIELD	COAL	3.0	583.0

MAPID: 05101286000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 14 QUARTERS/FOOTAGES: 2310' S line, 1650' W line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.169571 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.788174 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 605.5 LOG TYPE: Electric Log
 SOURCE: COLUMBUS EXPLORATION WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-71.0	CARBONDALE	HERRIN	COAL	5.0	552.0
-121.0	CARBONDALE	SPRINGFIELD	COAL	3.5	602.0

MAPID: 05101286000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 14 QUARTERS/FOOTAGES: 2310' S line, 1650' W line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.169571 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.788174 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 567.0 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	6.0	505.0
-30.0	MODESTO		SHALE	26.0	511.0
-56.0	CARBONDALE	DANVILLE	COAL	2.5	537.0
-58.5	CARBONDALE		SHALE	6.0	539.5
-64.5	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	545.5
-70.5	CARBONDALE	LAWSON	SHALE	5.0	551.5
-75.5	CARBONDALE	BRERETON	LIMESTONE	3.0	556.5
-78.5	CARBONDALE	ANNA	SHALE	2.0	559.5
-81.0	CARBONDALE	HERRIN	COAL	5.0	562.0

MAPID: 05100635000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 4N 1W **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.181222 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.796044 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 1735.0 **LOG TYPE:**
SOURCE: ALLIED&YGB, BONNELL F 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
259.0	BOND	CARTHAGE	LIMESTONE	-	225.0
-93.0	CARBONDALE	HERRIN	COAL	-	577.0

MAPID: 05101048000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 4N 1W **SECTION:** 15 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.183455 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.783387 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 477.0 **LOGGED (FT.):** 628.5 **LOG TYPE:** Electric Log
SOURCE: ROBBINS RAYMOND **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-106.0	CARBONDALE	HERRIN	COAL	5.0	583.0
-148.0	CARBONDALE	SPRINGFIELD	COAL	3.5	625.0

MAPID: 05101048000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 4N 1W **SECTION:** 15 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.183455 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.783387 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 477.0 **LOGGED (FT.):** 1452.0 **LOG TYPE:**
SOURCE: ROBBINS R, OUTHOUSE J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
242.0	BOND	CARTHAGE	LIMESTONE	-	235.0
-105.0	CARBONDALE	HERRIN	COAL	-	582.0

MAPID: 05102001000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 2310' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.183621

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.796164

DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0

LOGGED (FT.): 586.0

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
-49.0	MODESTO	PIASA	LIMESTONE	5.0	527.0
-54.0	MODESTO		SHALE	24.0	532.0
-78.0	CARBONDALE	DANVILLE	COAL	3.0	556.0
-81.0	CARBONDALE		SHALE	7.0	559.0
-88.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	566.0
-92.0	CARBONDALE	LAWSON	SHALE	6.0	570.0
-98.0	CARBONDALE	BRERETON	LIMESTONE	4.0	576.0
-102.0	CARBONDALE	HERRIN	COAL	6.0	580.0

MAPID: 05102006000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NW

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.18583

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.794447

DATE COLLECTED:

SURFACE ELEVATION (FT.): 482.0

LOGGED (FT.): 635.0

LOG TYPE: Electric Log

SOURCE: SIMPSON, C. J. DRLG. CO.

WELL TYPE: Service Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
252.0	BOND	CARTHAGE	LIMESTONE	-	230.0
-109.0	CARBONDALE	HERRIN	COAL	5.0	591.0
-150.0	CARBONDALE	SPRINGFIELD	COAL	3.0	632.0

MAPID: 05101329000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 16 QUARTERS/FOOTAGES: 990' N line, 330' E line of NW NW

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.208857

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.795689

DATE COLLECTED:

SURFACE ELEVATION (FT.): 449.0

LOGGED (FT.): 542.0

LOG TYPE: Electric Log

SOURCE: TODHUNTER PAUL D

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
299.0	BOND	CARTHAGE	LIMESTONE	-	150.0
-50.0	CARBONDALE	HERRIN	COAL	5.0	499.0
-89.0	CARBONDALE	SPRINGFIELD	COAL	4.0	538.0

MAPID: 05101705000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 16 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.199644 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.796993 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 585.0 LOG TYPE: Electric Log
 SOURCE: RUTHERFORD, HOMER WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-89.0	CARBONDALE	HERRIN	COAL	5.0	540.0	
-130.0	CARBONDALE	SPRINGFIELD	COAL	4.0	581.0	

MAPID: 05102012000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 16 QUARTERS/FOOTAGES: 1650' S line, 990' E line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.197383 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.787731 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 574.0 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	3.0	524.0	
-52.0	MODESTO		SHALE	20.0	527.0	
-72.0	CARBONDALE	DANVILLE	COAL	2.0	547.0	
-74.0	CARBONDALE		SHALE	8.0	549.0	
-82.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	557.0	
-86.0	CARBONDALE	LAWSON	SHALE	6.0	561.0	
-92.0	CARBONDALE	BRERETON	LIMESTONE	1.5	567.0	
-93.5	CARBONDALE	ANNA	SHALE	2.5	568.5	
-95.0	CARBONDALE	HERRIN	COAL	4.0	570.0	

MAPID: 05100636000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 20 QUARTERS/FOOTAGES: NW NW NE
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.220628 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.783413 DATE COLLECTED: 0 / 0 / 1937
 SURFACE ELEVATION (FT.): 444.1 LOGGED (FT.): 1501.0 LOG TYPE:
 SOURCE: LINVLE ETL, THOMPSON JN 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
294.1	BOND	CARTHAGE	LIMESTONE	-	150.0	
-47.9	CARBONDALE	HERRIN	COAL	-	492.0	CORRELATION UNCERTAIN

MAPID: 05100116000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 2310' W line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.167182 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.780766 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 1452.0 LOG TYPE:
 SOURCE: GEORGE&DWN, JARRETT A 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
305.0	BOND	CARTHAGE	LIMESTONE	-	174.0
-67.0	CARBONDALE	HERRIN	COAL	-	546.0

MAPID: 05100116000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 2310' W line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.167182 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.780766 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 551.0 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	4.0	497.0
-22.0	MODESTO		SHALE	25.0	501.0
-47.0	CARBONDALE	DANVILLE	COAL	2.0	526.0
-49.0	CARBONDALE		SHALE	4.0	528.0
-53.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	532.0
-59.0	CARBONDALE	LAWSON	SHALE	2.5	538.0
-61.5	CARBONDALE	BRERETON	LIMESTONE	3.5	540.5
-65.0	CARBONDALE	ANNA	SHALE	2.0	544.0
-67.0	CARBONDALE	HERRIN	COAL	5.0	546.0

MAPID: 05100116000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 2310' W line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.167182 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.780766 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 590.0 LOG TYPE: Electric Log
 SOURCE: GEO & DOWNING WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
301.0	BOND	CARTHAGE	LIMESTONE	-	178.0
-67.0	CARBONDALE	HERRIN	COAL	5.0	546.0
-108.0	CARBONDALE	SPRINGFIELD	COAL	3.0	587.0

MAPID: 05101280000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 24 QUARTERS/FOOTAGES: 990' N line, 2310' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.146327 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.777918 DATE COLLECTED:

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 594.5 LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-100.0	CARBONDALE	SPRINGFIELD	COAL	2.5	592.0

MAPID: 05101280000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 24 QUARTERS/FOOTAGES: 990' N line, 2310' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.146327 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.777918 DATE COLLECTED:

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 559.5 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
-12.0	MODESTO	PIASA	LIMESTONE	1.0	504.0
-13.0	MODESTO		SHALE	26.0	505.0
-39.0	CARBONDALE	DANVILLE	COAL	2.0	531.0
-41.0	CARBONDALE		SHALE	4.0	533.0
-45.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	537.0
-49.0	CARBONDALE	LAWSON	SHALE	3.0	541.0
-52.0	CARBONDALE	CONANT	LIMESTONE	3.0	544.0
-55.0	CARBONDALE		SHALE	2.0	547.0
-57.0	CARBONDALE	BRERETON	LIMESTONE	4.0	549.0
-61.0	CARBONDALE	ANNA	SHALE	1.5	553.0
-63.0	CARBONDALE	HERRIN	COAL	4.5	555.0

MAPID: 05102015000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 24 QUARTERS/FOOTAGES: 990' N line, 330' W line of NE SE

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.141716 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.770337 DATE COLLECTED:

SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 565.0 LOG TYPE: Electric Log

SOURCE: MIOUX J W WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
324.0	BOND	CARTHAGE	LIMESTONE	-	166.0
-35.0	CARBONDALE	HERRIN	COAL	5.0	525.0
-73.0	CARBONDALE	SPRINGFIELD	COAL	2.0	563.0

MAPID: 05101551000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 25 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.144107 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.752093 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 579.0 LOG TYPE: Electric Log

SOURCE: TROOP, R. H. ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
302.0	BOND	CARTHAGE	LIMESTONE	-	162.0
-64.0	CARBONDALE	HERRIN	COAL	4.0	528.0
-112.0	CARBONDALE	SPRINGFIELD	COAL	3.0	576.0

MAPID: 05100640000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 27 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.185792 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.767044 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 473.0 LOGGED (FT.): 1736.0 LOG TYPE:

SOURCE: FOREST OC, PAINE B D 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
280.0	BOND	CARTHAGE	LIMESTONE	-	193.0
-104.0	CARBONDALE	HERRIN	COAL	-	577.0

MAPID: 05101281000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 29 QUARTERS/FOOTAGES: 2310' S line, 990' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.216279 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.761295 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 545.0 LOG TYPE: Electric Log

SOURCE: GOAD E E WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
292.0	BOND	CARTHAGE	LIMESTONE	-	156.0
-56.0	CARBONDALE	HERRIN	COAL	4.0	504.0
-94.0	CARBONDALE	SPRINGFIELD	COAL	3.0	542.0

MAPID: 05101281000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 29 QUARTERS/FOOTAGES: 2310' S line, 990' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.216279 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.761295 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 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
-16.0	MODESTO	PIASA	LIMESTONE	5.0	464.0
-21.0	MODESTO		SHALE	14.0	469.0
-35.0	CARBONDALE	DANVILLE	COAL	1.5	483.0
-36.5	CARBONDALE		SHALE	5.5	484.5
-42.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	490.0
-46.0	CARBONDALE	LAWSON	SHALE	10.0	494.0
-56.0	CARBONDALE	HERRIN	COAL	4.0	504.0

MAPID: 05101898000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 990' W line

QUADRANGLE: KEYESPORT LONGITUDE: -89.250667 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.742827 DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 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.)	
				UNIT	OVERBURDEN COMMENT
5.0	MODESTO	PIASA	LIMESTONE	4.0	440.0
1.0	MODESTO		SHALE	19.5	444.0
-18.5	CARBONDALE	DANVILLE	COAL	3.0	463.5
-21.5	CARBONDALE		SHALE	5.5	466.5
-27.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	472.0
-33.0	CARBONDALE	LAWSON	SHALE	8.0	478.0
-41.0	CARBONDALE	BRERETON	LIMESTONE	5.0	486.0
-45.0	CARBONDALE	HERRIN	COAL	7.0	490.0

MAPID: 05101898000C VERSION: 2

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 31 QUARTERS/FOOTAGES: 330' S line, 990' W line
 QUADRANGLE: KEYESPORT LONGITUDE: -89.250667 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.742827 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 521.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
338.0	BOND	CARTHAGE	LIMESTONE	-	107.0	
-46.0	CARBONDALE	HERRIN	COAL	6.0	491.0	
-84.0	CARBONDALE	SPRINGFIELD	COAL	4.0	529.0	

MAPID: 05170005000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 31 QUARTERS/FOOTAGES: 340' N line, 280' E line
 QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.232372 GEOLOGIST: LOUCHIOS
 CONFIDENTIAL: N LATITUDE: 38.754815 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 1630.0 LOG TYPE: Drillers Log
 SOURCE: UTAH INTERNATIONAL 06C1326 WELL TYPE: Coal Test
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
446.0			NO RECORD	11.0	0.0	
435.0			SANDSTONE	89.0	11.0	
346.0			LIMESTONE	40.0	100.0	
306.0			SHALE	47.0	140.0	
259.0			SHALE	213.0	187.0	FOSSIL SHELLS
46.0			SHALE	240.0	400.0	
-194.0	CARBONDALE	SPRINGFIELD	COAL	5.0	640.0	
-199.0			SHALE & SANDSTONE	290.0	645.0	INTERBEDDED
-489.0			LIMESTONE	55.0	935.0	
-544.0			SHALE & SANDSTONE	515.0	990.0	INTERBEDDED
-1059.0			LIMESTONE	125.0	1505.0	

MAPID: 05101049000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 32 QUARTERS/FOOTAGES: 2310' N line, 1650' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.218635 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.748659 DATE COLLECTED: 0 / 0 / 1947
 SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 1416.0 LOG TYPE:
 SOURCE: POWELL J, MURRAY J 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
306.0	BOND	CARTHAGE	LIMESTONE	-	138.0
-64.0	CARBONDALE	HERRIN	COAL	-	508.0

MAPID: 05101049000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 32 QUARTERS/FOOTAGES: 2310' N line, 1650' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.218635 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.748659 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 513.5 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
-13.5	MODESTO	PIASA	LIMESTONE	1.0	457.5
-14.5	MODESTO		SHALE	27.0	458.5
-41.5	CARBONDALE	DANVILLE	COAL	2.0	485.5
-43.5	CARBONDALE		SHALE	5.0	487.5
-48.5	CARBONDALE	BANKSTON FORK	LIMESTONE	7.5	492.5
-56.0	CARBONDALE	LAWSON	SHALE	8.0	500.0
-64.0	CARBONDALE	HERRIN	COAL	5.5	508.0

MAPID: 05101049000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 32 QUARTERS/FOOTAGES: 2310' N line, 1650' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.218635 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.748659 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 549.0 LOG TYPE: Electric Log
 SOURCE: POWELL J C ETAL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
304.0	BOND	CARTHAGE	LIMESTONE	-	140.0
-65.0	CARBONDALE	HERRIN	COAL	4.0	509.0
-101.0	CARBONDALE	SPRINGFIELD	COAL	4.0	545.0

MAPID: 05101156000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 33 QUARTERS/FOOTAGES: 2310' S line, 2310' W line

QUADRANGLE: BOULDER LONGITUDE: -89.20466 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.746001 DATE COLLECTED:

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 544.5 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
-20.0	MODESTO	PIASA	LIMESTONE	6.0	491.0
-26.0	MODESTO		SHALE	21.0	497.0
-47.0	CARBONDALE	DANVILLE	COAL	2.0	518.0
-49.0	CARBONDALE		SHALE	4.0	520.0
-53.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	524.0
-61.0	CARBONDALE	LAWSON	SHALE	4.0	532.0
-65.0	CARBONDALE	BRERETON	LIMESTONE	1.0	536.0
-66.0	CARBONDALE	ANNA	SHALE	3.5	537.0
-68.0	CARBONDALE	HERRIN	COAL	5.5	539.0

MAPID: 05101553000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 34 QUARTERS/FOOTAGES: 1650' N line, 473' E line

QUADRANGLE: BOULDER LONGITUDE: -89.17716 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.74825 DATE COLLECTED:

SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 555.0 LOG TYPE: Electric Log

SOURCE: CAN-AM DRLG. PROD. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
304.0	BOND	CARTHAGE	LIMESTONE	-	144.0
-67.0	CARBONDALE	HERRIN	COAL	5.0	515.0
-103.0	CARBONDALE	SPRINGFIELD	COAL	4.0	551.0

MAPID: 05101553000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 34 QUARTERS/FOOTAGES: 1650' N line, 473' E line
 QUADRANGLE: BOULDER LONGITUDE: -89.17716 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.74825 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 520.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-12.0	MODESTO	PIASA	CALCAREOUS SHALE	4.0	460.0
-16.0	MODESTO		SHALE	25.0	464.0
-41.0	CARBONDALE		SHALE	10.0	489.0
-51.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	499.0
-58.0	CARBONDALE	LAWSON	SHALE	5.0	506.0
-63.0	CARBONDALE	BRERETON	LIMESTONE	3.0	511.0
-66.0	CARBONDALE	HERRIN	COAL	6.0	514.0

MAPID: 05101315000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 4N 1W SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE
 QUADRANGLE: BOULDER LONGITUDE: -89.139555 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.740928 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 569.0 LOG TYPE: Electric Log
 SOURCE: KAPP, LOUIS H., JR. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
345.0	BOND	CARTHAGE	LIMESTONE	-	150.0
-25.0	CARBONDALE	HERRIN	COAL	3.0	520.0
-70.0	CARBONDALE	SPRINGFIELD	COAL	4.0	565.0

MAPID: 05100960000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 4 QUARTERS/FOOTAGES: 990' S line, 2310' E line
 QUADRANGLE: VANDALIA LONGITUDE: -89.093807 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.899272 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 1724.0 LOG TYPE:
 SOURCE: DORAN PAUL, MUELLER A 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
246.0	BOND	CARTHAGE	LIMESTONE	-	230.0
-81.0	CARBONDALE	HERRIN	COAL	-	557.0

MAPID: 05100960000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 4 QUARTERS/FOOTAGES: 990' S line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.093807 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.899272 DATE COLLECTED:

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 562.5 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	
-14.0	MODESTO	PIASA	LIMESTONE	7.0	490.0	
-21.0	MODESTO		SHALE	23.0	497.0	
-44.0	CARBONDALE		SHALE	11.0	520.0	
-55.0	CARBONDALE		DARK GRAY SHALE	6.0	531.0	
-61.0	CARBONDALE	BANKSTON FORK	LIMESTONE	9.0	537.0	LOWER BENCH
-70.0	CARBONDALE	LAWSON	SHALE	4.0	546.0	
-74.0	CARBONDALE	BRERETON	LIMESTONE	4.0	550.0	
-78.0	CARBONDALE	ANNA	SHALE	2.5	554.0	
-81.0	CARBONDALE	HERRIN	COAL	5.5	557.0	

MAPID: 05100960000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 4 QUARTERS/FOOTAGES: 990' S line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.093807 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.899272 DATE COLLECTED:

SURFACE ELEVATION (FT.): 476.0 LOGGED (FT.): 593.0 LOG TYPE: Electric Log

SOURCE: DORAN PAUL EST WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-81.0	CARBONDALE	HERRIN	COAL	5.0	557.0	
-114.0	CARBONDALE	SPRINGFIELD	COAL	3.0	590.0	

MAPID: 05100101000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 8 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: VANDALIA LONGITUDE: -89.112497 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.882984 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 461.2 LOGGED (FT.): 1602.0 LOG TYPE:

SOURCE: BURROUGH, HASLER 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
257.2	BOND	CARTHAGE	LIMESTONE	-	204.0	
-40.8	CARBONDALE	HERRIN	COAL	-	502.0	

MAPID: 05100101000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 8 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: VANDALIA LONGITUDE: -89.112497 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.882984 DATE COLLECTED:

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 506.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
19.0	MODESTO	PIASA	LIMESTONE	7.0	440.0	
12.0	MODESTO		SHALE	24.0	447.0	
-12.0	CARBONDALE		SHALE	12.0	471.0	
-24.0	CARBONDALE		SHALE	6.0	483.0	
-30.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.5	489.0	LOWER BENCH
-34.5	CARBONDALE	LAWSON	SHALE	7.5	493.5	
-42.0	CARBONDALE	BRERETON	LIMESTONE	4.0	501.0	
-42.0	CARBONDALE	HERRIN	COAL	5.0	501.0	

MAPID: 05170004000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 8 QUARTERS/FOOTAGES: 740' S line, 2000' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.111413 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 38.884104 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 1475.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 09C101 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
459.0			UNCLASSIFIED	215.0	0.0	
244.0			COAL	5.0	215.0	
239.0			UNCLASSIFIED	149.0	220.0	
90.0			COAL	2.0	369.0	
88.0			UNCLASSIFIED	169.0	371.0	
-81.0	CARBONDALE	HERRIN	COAL	5.0	540.0	
-86.0			UNCLASSIFIED	155.0	545.0	
-241.0			COAL	6.0	700.0	
-247.0			UNCLASSIFIED	135.0	706.0	
-382.0			COAL	1.0	841.0	
-383.0			UNCLASSIFIED	633.0	842.0	

MAPID: 05101476000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 10 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: VANDALIA LONGITUDE: -89.077683 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.882564 DATE COLLECTED:

SURFACE ELEVATION (FT.): 517.0 LOGGED (FT.): 677.5 LOG TYPE: Electric Log

SOURCE: JET OIL CO. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-158.0	CARBONDALE	SPRINGFIELD	COAL	2.5	675.0	

MAPID: 05101317000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 990' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.033536 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.894808 DATE COLLECTED:

SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 754.0 LOG TYPE: Electric Log

SOURCE: SMITH MILTON WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
152.0	BOND	CARTHAGE	LIMESTONE	-	375.0	
-183.0	CARBONDALE	HERRIN	COAL	6.0	710.0	
-225.0	CARBONDALE	SPRINGFIELD	COAL	2.0	752.0	

MAPID: 05101317000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 990' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.033536 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.894808 DATE COLLECTED:

SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 716.0 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	
-93.0	MODESTO	PIASA	LIMESTONE	6.0	620.0	
-99.0	MODESTO		SHALE	36.5	626.0	
-135.5	CARBONDALE	DANVILLE	COAL	2.5	662.5	
-138.0	CARBONDALE		SHALE	9.0	665.0	
-147.0	CARBONDALE	GALUM	LIMESTONE	2.0	674.0	
-149.0	CARBONDALE		BLACK SHALE	2.5	676.0	
-151.5	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	678.5	UPPER BENCH
-157.5	CARBONDALE	BANKSTON FORK	SHALE	2.0	684.5	SHALE PARTING
-159.5	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	686.5	LOWER BENCH
-162.5	CARBONDALE	LAWSON	SHALE	8.0	689.5	
-170.5	CARBONDALE	CONANT	LIMESTONE	2.5	697.5	
-173.0	CARBONDALE		DARK GRAY SHALE	1.5	700.0	
-174.5	CARBONDALE	BRERETON	LIMESTONE	5.5	701.5	
-180.0	CARBONDALE	ANNA	SHALE	2.5	707.0	
-183.0	CARBONDALE	HERRIN	COAL	6.0	710.0	

MAPID: 05100642000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 22 QUARTERS/FOOTAGES: 990' S line, 2310' E line

QUADRANGLE: PATOKA LONGITUDE: -89.075645 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.855259 DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 513.0 LOGGED (FT.): 1905.0 LOG TYPE:

SOURCE: NAT PET, HECKATHORN 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
211.0	BOND	CARTHAGE	LIMESTONE	-	302.0	
-127.0	CARBONDALE	HERRIN	COAL	-	640.0	

MAPID: 05100642000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 22 QUARTERS/FOOTAGES: 990' S line, 2310' E line
 QUADRANGLE: PATOKA LONGITUDE: -89.075645 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.855259 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 513.0 LOGGED (FT.): 646.0 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
-29.0	MODESTO	PIASA	LIMESTONE	7.0	542.0
-36.0	MODESTO		SHALE	42.0	549.0
-78.0	CARBONDALE	DANVILLE	COAL	3.0	591.0
-81.0	CARBONDALE		SHALE	7.0	594.0
-88.0	CARBONDALE		SHALE	3.0	601.0
-91.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	15.0	604.0
-106.0	CARBONDALE	LAWSON	SHALE	7.5	619.0
-113.5	CARBONDALE	BRERETON	LIMESTONE	5.5	626.5
-119.0	CARBONDALE	ANNA	SHALE	2.0	632.0
-127.0	CARBONDALE	HERRIN	COAL	6.0	640.0

MAPID: 05100642000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 22 QUARTERS/FOOTAGES: 990' S line, 2310' E line
 QUADRANGLE: PATOKA LONGITUDE: -89.075645 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.855259 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 513.0 LOGGED (FT.): 683.0 LOG TYPE: Electric Log
 SOURCE: NATIONAL PETROLEUM CORP. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
211.0	BOND	CARTHAGE	LIMESTONE	-	302.0
-127.0	CARBONDALE	HERRIN	COAL	7.0	640.0
-165.0	CARBONDALE	SPRINGFIELD	COAL	5.0	678.0

MAPID: 05100994000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 24 QUARTERS/FOOTAGES: 1650' N line, 990' E line
 QUADRANGLE: PATOKA LONGITUDE: -89.033789 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.862022 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 559.0 LOGGED (FT.): 2078.0 LOG TYPE:
 SOURCE: MAGNOLIA, WASMUTH H 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
195.0	BOND	CARTHAGE	LIMESTONE	-	364.0
-149.0	CARBONDALE	HERRIN	COAL	-	708.0

MAPID: 05100994000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 24 QUARTERS/FOOTAGES: 1650' N line, 990' E line

QUADRANGLE: PATOKA LONGITUDE: -89.033789 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.862022 DATE COLLECTED:

SURFACE ELEVATION (FT.): 559.0 LOGGED (FT.): 715.0 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	
-99.0	CARBONDALE	DANVILLE	COAL	4.0	658.0	
-103.0	CARBONDALE		SHALE	6.0	662.0	
-109.0	CARBONDALE	GALUM	LIMESTONE	2.5	668.0	
-111.5	CARBONDALE		DARK GRAY SHALE	2.5	670.5	
-114.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	673.0	LOWER BENCH
-121.0	CARBONDALE	LAWSON	SHALE	21.0	680.0	
-142.0	CARBONDALE	BRERETON	LIMESTONE	5.0	701.0	
-147.0	CARBONDALE	ANNA	SHALE	3.0	706.0	
-150.0	CARBONDALE	HERRIN	COAL	6.0	709.0	

MAPID: 05100994000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 24 QUARTERS/FOOTAGES: 1650' N line, 990' E line

QUADRANGLE: PATOKA LONGITUDE: -89.033789 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.862022 DATE COLLECTED:

SURFACE ELEVATION (FT.): 559.0 LOGGED (FT.): 756.0 LOG TYPE: Electric Log

SOURCE: MAGNOLIA PETROLEUM WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
193.0	BOND	CARTHAGE	LIMESTONE	-	366.0	
-150.0	CARBONDALE	HERRIN	COAL	6.0	709.0	
-193.0	CARBONDALE	SPRINGFIELD	COAL	4.0	752.0	

MAPID: 05170006000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 24 QUARTERS/FOOTAGES: 1600' N line, 2390' E line
 QUADRANGLE: PATOKA LONGITUDE: -89.038732 GEOLOGIST: LOUCHIOS
 CONFIDENTIAL: N LATITUDE: 38.862202 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 559.0 LOGGED (FT.): 1920.0 LOG TYPE: Drillers Log
 SOURCE: UTAH INTERNATIONAL 09C994 WELL TYPE: Coal Test
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
559.0			NO RECORD	103.0	0.0	
456.0			SHALE	131.0	103.0	FOSSIL SHELLS
325.0			COAL	5.0	234.0	
320.0			SHALE	129.0	239.0	
191.0			LIMESTONE	12.0	368.0	
179.0			SANDSTONE	235.0	380.0	
-56.0			SHALE	57.0	615.0	
-113.0	SHELBURN	DANVILLE	COAL	2.0	672.0	UNCERTAIN CORRELATION
-115.0			SHALE	1.0	674.0	
-116.0			SHALE	270.0	675.0	FOSSIL SHELLS
-386.0			SHALE	175.0	945.0	
-561.0			SANDSTONE	800.0	1120.0	
-1361.0			UNCLASSIFIED	800.0	1920.0	

MAPID: 05101318000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: PATOKA LONGITUDE: -89.085071 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.839068 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 693.0 LOG TYPE: Electric Log
 SOURCE: TEXACO, INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
207.0	BOND	CARTHAGE	LIMESTONE	-	316.0	
-127.0	CARBONDALE	HERRIN	COAL	6.0	650.0	
-167.0	CARBONDALE	SPRINGFIELD	COAL	3.0	690.0	

MAPID: 05100643000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 28 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: PATOKA **LONGITUDE:** -89.103553 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.839199 **DATE COLLECTED:** 0 / 0 / 1934
SURFACE ELEVATION (FT.): 507.7 **LOGGED (FT.):** 1841.0 **LOG TYPE:**
SOURCE: BIG 4 DRC, ALBERT G W 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-84.3	CARBONDALE	HERRIN	COAL	-	592.0	CORRELATION UNCERTAIN

MAPID: 05101319000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 28 **QUARTERS/FOOTAGES:** 990' N line, 330' W line
QUADRANGLE: PATOKA **LONGITUDE:** -89.103623 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.850101 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 621.0 **LOG TYPE:** Electric Log
SOURCE: STRICKLAND, FRANK L. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	249.0	
-	CARBONDALE	HERRIN	COAL	5.0	579.0	
-	CARBONDALE	SPRINGFIELD	COAL	3.0	618.0	

MAPID: 05101319000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 28 **QUARTERS/FOOTAGES:** 990' N line, 330' W line
QUADRANGLE: PATOKA **LONGITUDE:** -89.103623 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.850101 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 492.0 **LOGGED (FT.):** 584.5 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-78.0	CARBONDALE	CONANT	LIMESTONE	2.5	570.0	
-80.5	CARBONDALE		SHALE	2.0	572.5	
-82.5	CARBONDALE	BRERETON	LIMESTONE	2.0	574.5	
-84.5	CARBONDALE	ANNA	SHALE	2.5	576.5	
-87.0	CARBONDALE	HERRIN	COAL	5.5	579.0	

MAPID: 05170007000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 28 QUARTERS/FOOTAGES: 260' S line, 230' W line

QUADRANGLE: PATOKA LONGITUDE: -89.103897 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 38.839009 DATE COLLECTED: 0 / 0 / 1934

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 780.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 10C643 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
510.0			NO RECORD	75.0	0.0
435.0			SHALE	189.0	75.0
246.0			LIMESTONE	11.0	264.0
235.0			SHALE	237.0	275.0
-2.0			SANDSTONE	23.0	512.0
-25.0			GREEN SHALE	30.0	535.0
-55.0			LIMESTONE	4.0	565.0
-59.0	SHELBURN	DANVILLE	COAL	3.0	569.0
-62.0	SHELBURN		LIMESTONE	18.0	572.0
-80.0	CARBONDALE	ANNA	BLACK SHALE	2.0	590.0
-82.0	CARBONDALE	HERRIN	COAL	8.0	592.0
-90.0	CARBONDALE		BLACK SHALE	5.0	600.0
-95.0	CARBONDALE		LIMESTONE	11.0	605.0
-106.0	CARBONDALE		BLACK SHALE	3.0	616.0
-109.0	CARBONDALE		UNCLASSIFIED	4.0	619.0
-113.0	CARBONDALE		BLACK SHALE	17.0	623.0
-130.0	CARBONDALE		GREEN SHALE	60.0	640.0
-190.0	CARBONDALE		BLACK SHALE	5.0	700.0
-195.0	CARBONDALE		GREEN SHALE	5.0	705.0
-200.0	CARBONDALE		SANDSTONE	10.0	710.0
-210.0	CARBONDALE		GREEN SHALE	5.0	720.0
-215.0	CARBONDALE		BLACK SHALE	27.0	725.0
-242.0	CARBONDALE		SANDSTONE	10.0	752.0
-252.0	CARBONDALE		BLACK SHALE	13.0	762.0
-265.0	CARBONDALE		SANDSTONE	5.0	775.0

MAPID: 05170008000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 29 QUARTERS/FOOTAGES: 1450' N line, 1140' W line

QUADRANGLE: PATOKA LONGITUDE: -89.119157 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 38.848955 DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 487.0 LOGGED (FT.): 856.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 11C644 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
487.0			SANDSTONE	26.0	0.0	
461.0			SHALE	12.0	26.0	
449.0			SANDSTONE	84.0	38.0	
365.0			LIMESTONE	17.0	122.0	
348.0			SANDY SHALE	9.0	139.0	
339.0			SHALE	32.0	148.0	
307.0			LIMESTONE	14.0	180.0	
293.0			SHALE	116.0	194.0	
177.0			LIMESTONE	3.0	310.0	
174.0			SHALE	165.0	313.0	
9.0			LIMESTONE	8.0	478.0	
1.0			SHALE	20.0	486.0	
-19.0			LIMESTONE	21.0	506.0	
-40.0			SANDY SHALE	5.0	527.0	
-45.0			LIMESTONE	14.0	532.0	
-59.0	CARBONDALE	HERRIN	COAL	7.0	546.0	UNCERTAIN CORRELATION
-66.0	CARBONDALE		SHALE	89.0	553.0	
-155.0	CARBONDALE		LIMESTONE	5.0	642.0	
-160.0	CARBONDALE		SHALE	4.0	647.0	
-164.0	CARBONDALE	SPRINGFIELD	COAL	5.0	651.0	UNCERTAIN CORRELATION
-169.0	CARBONDALE		LIMESTONE	29.0	656.0	
-198.0	CARBONDALE	COLCHESTER	COAL	5.0	685.0	UNCERTAIN CORRELATION
-203.0			LIMESTONE	75.0	690.0	
-278.0			SHALE	19.0	765.0	
-297.0			SHALE & SANDSTONE	26.0	784.0	
-323.0			SHALE	12.0	810.0	
-335.0			COAL	4.0	822.0	
-339.0			SHALE & SANDSTONE	30.0	826.0	

MAPID: 05100644000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: PATOKA **LONGITUDE:** -89.124353 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.84845 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 487.0 **LOGGED (FT.):** 1583.0 **LOG TYPE:**
SOURCE: STPHSN ETL, HRKLSS ETL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
300.0	BOND	CARTHAGE	LIMESTONE	-	187.0
-53.0	CARBONDALE	HERRIN	COAL	-	540.0

MAPID: 05100644000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: PATOKA **LONGITUDE:** -89.124353 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.84845 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 487.0 **LOGGED (FT.):** 546.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
17.0	MODESTO	PIASA	LIMESTONE	5.0	470.0
12.0	MODESTO		SHALE	40.0	475.0
-28.0	CARBONDALE		SHALE	9.0	515.0
-37.0	CARBONDALE		SHALE	3.0	524.0
-40.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	527.0
-45.0	CARBONDALE	LAWSON	SHALE	4.5	532.0
-49.5	CARBONDALE	BRERETON	LIMESTONE	2.0	536.5
-51.5	CARBONDALE	ANNA	SHALE	2.0	538.5
-53.0	CARBONDALE	HERRIN	COAL	6.0	540.0

MAPID: 05100644000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: PATOKA **LONGITUDE:** -89.124353 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.84845 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 487.0 **LOGGED (FT.):** 580.0 **LOG TYPE:** Electric Log
SOURCE: STEPHENSON W C ETAL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
181.0	BOND	CARTHAGE	LIMESTONE	-	306.0
-53.0	CARBONDALE	HERRIN	COAL	6.0	540.0
-88.0	CARBONDALE	SPRINGFIELD	COAL	5.0	575.0

MAPID: 05124894000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.133744 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.839411 DATE COLLECTED:

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 597.5 LOG TYPE: Electric Log

SOURCE: ENERGY RESOURCES CORP. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-67.0	CARBONDALE	HERRIN	COAL	5.0	556.0	
-105.0	CARBONDALE	SPRINGFIELD	COAL	3.5	594.0	

MAPID: 05100987000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 33 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: PATOKA LONGITUDE: -89.096567 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.831864 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 1877.0 LOG TYPE:

SOURCE: DEEP ROCK, ALBERT B L 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
248.0	BOND	CARTHAGE	LIMESTONE	-	273.0	
-104.0	CARBONDALE	HERRIN	COAL	-	625.0	

MAPID: 05100987000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 33 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: PATOKA LONGITUDE: -89.096567 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.831864 DATE COLLECTED:

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 631.0 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
-7.0	MODESTO	PIASA	LIMESTONE	6.0	528.0
-13.0	MODESTO		SHALE	46.0	534.0
-59.0	CARBONDALE	DANVILLE	BONE COAL	2.5	580.0
-61.5	CARBONDALE		SHALE	13.5	582.5
-75.0	CARBONDALE	GALUM	LIMESTONE	3.5	596.0
-78.5	CARBONDALE		SHALE	5.0	599.5
-83.5	CARBONDALE	BANKSTON FORK	LIMESTONE	4.5	604.5
-88.0	CARBONDALE	LAWSON	SHALE	3.0	609.0
-91.0	CARBONDALE	CONANT	LIMESTONE	2.0	612.0
-93.0	CARBONDALE		SHALE	3.0	614.0
-96.0	CARBONDALE	BRERETON	LIMESTONE	6.0	617.0
-102.0	CARBONDALE	ANNA	SHALE	2.0	623.0
-105.0	CARBONDALE	HERRIN	COAL	5.0	626.0

MAPID: 05100987000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1E SECTION: 33 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: PATOKA LONGITUDE: -89.096567 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.831864 DATE COLLECTED:

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 665.0 LOG TYPE: Electric Log

SOURCE: DEEP ROCK OIL CORP WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
247.0	BOND	CARTHAGE	LIMESTONE	-	274.0
-104.0	CARBONDALE	HERRIN	COAL	5.0	625.0
-139.0	CARBONDALE	SPRINGFIELD	COAL	5.0	660.0

MAPID: 05100645000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 34 **QUARTERS/FOOTAGES:** 2310' S line, 990' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.071259 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.829623 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 1885.0 **LOG TYPE:**
SOURCE: WHSNT&TRD, VOLBURG H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
226.0	BOND	CARTHAGE	LIMESTONE	-	292.0
-131.0	CARBONDALE	HERRIN	COAL	-	649.0

MAPID: 05100645000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 34 **QUARTERS/FOOTAGES:** 2310' S line, 990' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.071259 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.829623 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 655.5 **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
-45.0	MODESTO		SHALE	40.0	563.0
-85.0	CARBONDALE	DANVILLE	COAL	3.0	603.0
-88.0	CARBONDALE		SHALE	10.0	606.0
-98.0	CARBONDALE		SHALE	3.0	616.0
-101.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	13.0	619.0
-114.0	CARBONDALE	LAWSON	SHALE	10.0	632.0
-124.0	CARBONDALE	BRERETON	LIMESTONE	5.0	642.0
-129.0	CARBONDALE	ANNA	SHALE	3.0	647.0
-132.0	CARBONDALE	HERRIN	COAL	5.5	650.0

MAPID: 05100645000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 34 **QUARTERS/FOOTAGES:** 2310' S line, 990' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.071259 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.829623 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 691.0 **LOG TYPE:** Electric Log
SOURCE: WHISENANT & TRENCHARD **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
125.0	BOND	CARTHAGE	LIMESTONE	-	393.0
-132.0	CARBONDALE	HERRIN	COAL	5.0	650.0
-168.0	CARBONDALE	SPRINGFIELD	COAL	5.0	686.0

MAPID: 05100646000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 36 **QUARTERS/FOOTAGES:** 1650' N line, 330' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.031763 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.83285 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 2060.0 **LOG TYPE:**
SOURCE: HOSS L B, KNECHT H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
194.0	BOND	CARTHAGE	LIMESTONE	-	349.0
-138.0	CARBONDALE	HERRIN	COAL	-	681.0

MAPID: 05100646000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 36 **QUARTERS/FOOTAGES:** 1650' N line, 330' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.031763 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.83285 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 687.5 **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
-49.0	MODESTO		SHALE	40.0	592.0
-89.0	CARBONDALE	DANVILLE	COAL	3.0	632.0
-92.0	CARBONDALE		SHALE	4.5	635.0
-96.5	CARBONDALE	GALUM	LIMESTONE	3.5	639.5
-100.0	CARBONDALE		SHALE	8.5	643.0
-108.5	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	11.0	651.5
-119.5	CARBONDALE	LAWSON	SHALE	10.0	662.5
-129.5	CARBONDALE	BRERETON	LIMESTONE	5.5	672.5
-135.0	CARBONDALE	ANNA	SHALE	4.0	678.0
-139.0	CARBONDALE	HERRIN	COAL	5.5	682.0

MAPID: 05100646000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 1E **SECTION:** 36 **QUARTERS/FOOTAGES:** 1650' N line, 330' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.031763 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.83285 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 728.0 **LOG TYPE:** Electric Log
SOURCE: HOSS, L. B. TRUST **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
193.0	BOND	CARTHAGE	LIMESTONE	-	350.0
-139.0	CARBONDALE	HERRIN	COAL	5.0	682.0
-182.0	CARBONDALE	SPRINGFIELD	COAL	3.0	725.0

MAPID: 05101288000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 1650' W line
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.150522 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.911412 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 576.0 LOG TYPE: Electric Log
 SOURCE: DORAN THOMAS S WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
226.0	BOND	CARTHAGE	LIMESTONE	-	304.0
-6.0	CARBONDALE	HERRIN	COAL	5.0	536.0
-43.0	CARBONDALE	SPRINGFIELD	COAL	3.0	573.0

MAPID: 05101288000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 1650' W line
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.150522 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.911412 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 539.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
49.0	MODESTO	PIASA	LIMESTONE	3.0	481.0
46.0	MODESTO		SHALE	19.0	484.0
27.0	CARBONDALE	DANVILLE	COAL	1.0	503.0
26.0	CARBONDALE		SHALE	7.0	504.0
19.0	CARBONDALE		SHALE	7.0	511.0
12.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	8.0	518.0
4.0	CARBONDALE	LAWSON	SHALE	10.0	526.0
-5.0	CARBONDALE	HERRIN	COAL	4.0	535.0

MAPID: 05101295000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE NW
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.16685 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.908537 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 561.0 LOGGED (FT.): 604.0 LOG TYPE: Electric Log
 SOURCE: DORAN THOMAS S WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-3.0	CARBONDALE	HERRIN	COAL	5.0	564.0
-40.0	CARBONDALE	SPRINGFIELD	COAL	3.0	601.0

MAPID: 05101823000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NW
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.208659 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.895947 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 535.0 LOG TYPE: Electric Log
 SOURCE: ATKINS AND HALE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
70.0	CARBONDALE	HERRIN	COAL	4.0	500.0	
38.0	CARBONDALE	SPRINGFIELD	COAL	3.0	532.0	

MAPID: 05101611000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.185473 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.89121 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 520.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
49.0	CARBONDALE	HERRIN	COAL	5.0	480.0	
11.0	CARBONDALE	SPRINGFIELD	COAL	2.0	518.0	

MAPID: 05100047000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.157551 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.897252 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 509.0 LOGGED (FT.): 1625.0 LOG TYPE:
 SOURCE: GULF REF, BINGAMAN R 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
21.0	CARBONDALE	HERRIN	COAL	-	488.0	

MAPID: 05100047000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.157551

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.897252

DATE COLLECTED:

SURFACE ELEVATION (FT.): 509.0

LOGGED (FT.): 495.0

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
77.0	MODESTO	PIASA	LIMESTONE	6.0	432.0
71.0	MODESTO		SHALE	14.0	438.0
57.0	CARBONDALE	DANVILLE	COAL	2.0	452.0
55.0	CARBONDALE		SHALE	15.0	454.0
40.0	CARBONDALE	BANKSTON FORK	LIMESTONE AND SANDSTONE	11.0	469.0
29.0	CARBONDALE	LAWSON	SHALE	6.0	480.0
21.0	CARBONDALE	HERRIN	COAL	7.0	488.0

MAPID: 05100047000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.157551

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.897252

DATE COLLECTED:

SURFACE ELEVATION (FT.): 509.0

LOGGED (FT.): 527.0

LOG TYPE: Electric Log

SOURCE: GULF REFINING CO.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
22.0	CARBONDALE	HERRIN	COAL	7.0	487.0
-13.0	CARBONDALE	SPRINGFIELD	COAL	5.0	522.0

MAPID: 05101294000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 14 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.171613

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.877812

DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0

LOGGED (FT.): 511.0

LOG TYPE: Electric Log

SOURCE: REZNIK JOE

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
0.0	CARBONDALE	HERRIN	COAL	5.0	472.0
-36.0	CARBONDALE	SPRINGFIELD	COAL	3.0	508.0 ROOF: 4LS.

MAPID: 05101294000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 14 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.171613

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.877812

DATE COLLECTED:

SURFACE ELEVATION (FT.): 472.0

LOGGED (FT.): 467.0

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	
54.0	MODESTO	PIASA	LIMESTONE	6.5	418.0	
47.5	MODESTO		SHALE	5.0	424.5	
42.5	CARBONDALE	DANVILLE	COAL	1.0	429.5	
41.5	CARBONDALE		SHALE	13.0	430.5	
28.5	CARBONDALE		SHALE	10.0	443.5	
18.5	CARBONDALE	BANKSTON FORK	SHALE	3.0	453.5	UPPER BENCH
15.5	CARBONDALE	BANKSTON FORK	SHALE	4.0	456.5	SHALE PARTING
11.5	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	460.5	LOWER BENCH
8.5	CARBONDALE	LAWSON	SHALE	10.0	463.5	
11.0	CARBONDALE	HERRIN	COAL	6.0	461.0	

MAPID: 05101293000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.192567

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.871504

DATE COLLECTED:

SURFACE ELEVATION (FT.): 512.0

LOGGED (FT.): 530.0

LOG TYPE: Electric Log

SOURCE: TWAIN, MARK OIL PROD.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
21.0	CARBONDALE	HERRIN	COAL	5.0	491.0	
-15.0	CARBONDALE	SPRINGFIELD	COAL	3.0	527.0	

MAPID: 05101293000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.192567 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.871504 DATE COLLECTED:

SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 495.5 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	5.0	440.0	
67.0	MODESTO		SHALE	12.0	445.0	
55.0	CARBONDALE		SHALE	12.0	457.0	
43.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	469.0	UPPER BENCH
40.5	CARBONDALE	BANKSTON FORK	SHALE	6.0	471.5	SHALE PARTING
34.5	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	477.5	LOWER BENCH
31.0	CARBONDALE	LAWSON	SHALE	6.0	481.0	
25.0	CARBONDALE	BRERETON	LIMESTONE	1.5	487.0	
23.5	CARBONDALE	ANNA	SHALE	1.0	488.5	
22.0	CARBONDALE	HERRIN	COAL	5.5	490.0	

MAPID: 05101292000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 20 QUARTERS/FOOTAGES: 1650' S line, 1650' W line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.225245 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.86208 DATE COLLECTED:

SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 513.0 LOG TYPE: Electric Log

SOURCE: DRLG & EXPLOR CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
333.0	BOND	CARTHAGE	LIMESTONE	-	185.0	
45.0	CARBONDALE	HERRIN	COAL	6.0	473.0	
8.0	CARBONDALE	SPRINGFIELD	COAL	3.0	510.0	

MAPID: 05101292000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 20 QUARTERS/FOOTAGES: 1650' S line, 1650' W line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.225245

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.86208

DATE COLLECTED:

SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 479.0

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	
86.0	MODESTO	PIASA	LIMESTONE	4.0	432.0	
82.0	MODESTO		SHALE	14.0	436.0	
68.0	CARBONDALE	DANVILLE	COAL	1.0	450.0	
67.0	CARBONDALE		SHALE	8.0	451.0	
59.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	459.0	UPPER BENCH
58.0	CARBONDALE	BANKSTON FORK	SHALE	1.0	460.0	SHALE PARTING
57.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	461.0	LOWER BENCH
53.0	CARBONDALE	LAWSON	SHALE	5.0	465.0	
48.0	CARBONDALE	CONANT	LIMESTONE	1.0	470.0	
47.0	CARBONDALE		SHALE	1.0	471.0	
46.0	CARBONDALE	BRERETON	LIMESTONE	1.0	472.0	
44.0	CARBONDALE	HERRIN	COAL	5.0	474.0	

MAPID: 05101291000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 22 QUARTERS/FOOTAGES: 990' N line, 1650' W line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.187915

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.867643

DATE COLLECTED:

SURFACE ELEVATION (FT.): 502.0

LOGGED (FT.): 484.5

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	
74.0	MODESTO	PIASA	LIMESTONE	6.0	428.0	
68.0	MODESTO		SHALE	10.5	434.0	
57.5	CARBONDALE	DANVILLE	COAL	1.0	444.5	
56.5	CARBONDALE		SHALE	7.5	445.5	
49.0	CARBONDALE		SHALE	7.0	453.0	
42.0	CARBONDALE	BANKSTON FORK	LIMESTONE AND SANDSTONE	4.0	460.0	UPPER BENCH
38.0	CARBONDALE	BANKSTON FORK	SHALE	4.0	464.0	SHALE PARTING
34.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	468.0	LOWER BENCH
30.5	CARBONDALE	LAWSON	SHALE	3.0	471.5	
27.5	CARBONDALE	CONANT	LIMESTONE	1.0	474.5	
26.5	CARBONDALE		SHALE	0.5	475.5	
26.0	CARBONDALE	BRERETON	LIMESTONE	1.5	476.0	
24.5	CARBONDALE	ANNA	SHALE	1.0	477.5	
23.0	CARBONDALE	HERRIN	COAL	5.5	479.0	

MAPID: 05101361000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 22 QUARTERS/FOOTAGES: 990' S line, 330' W line of SE NW

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.18793

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.86584

DATE COLLECTED:

SURFACE ELEVATION (FT.): 500.0

LOGGED (FT.): 517.0

LOG TYPE: Electric Log

SOURCE: WARD MARION F

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
366.0	BOND	CARTHAGE	LIMESTONE	-	134.0	
21.0	CARBONDALE	HERRIN	COAL	4.0	479.0	
-14.0	CARBONDALE	SPRINGFIELD	COAL	3.0	514.0	

MAPID: 05100549000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 1W **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' S line, 2310' E line
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.14632 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.854695 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 1644.0 **LOG TYPE:**
SOURCE: SKELLY OC, STERICKR L 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-16.0	CARBONDALE	HERRIN	COAL	-	474.0	

MAPID: 05100549000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 5N 1W **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' S line, 2310' E line
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.14632 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.854695 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 481.0 **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	
40.0	MODESTO	PIASA	LIMESTONE	5.0	418.0	
35.0	MODESTO		SHALE	17.0	423.0	
18.0	CARBONDALE	DANVILLE	COAL	1.0	440.0	
17.0	CARBONDALE		SHALE	7.5	441.0	
9.5	CARBONDALE		SHALE	7.5	448.5	
2.0	CARBONDALE	BANKSTON FORK	LIMESTONE AND SANDSTONE	3.0	456.0	UPPER BENCH
-1.0	CARBONDALE	BANKSTON FORK	SHALE	2.0	459.0	SHALE PARTING
-3.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	461.0	LOWER BENCH
-7.0	CARBONDALE	LAWSON	SHALE	6.0	465.0	
-13.0	CARBONDALE	BRERETON	LIMESTONE	4.0	471.0	
-17.0	CARBONDALE	HERRIN	COAL	6.0	475.0	

MAPID: 05100549000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 1W **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' S line, 2310' E line
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.14632 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.854695 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 515.0 **LOG TYPE:** Electric Log
SOURCE: SKELLY OIL CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-6.0	CARBONDALE	HERRIN	COAL	7.0	464.0	
-52.0	CARBONDALE	SPRINGFIELD	COAL	5.0	510.0	

MAPID: 05124935000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 3300' E line of SE

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.149814 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.854879 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 498.0 LOG TYPE: Electric Log

SOURCE: JUNIPER PETROLEUM CORP. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
2.0	CARBONDALE	HERRIN	COAL	5.0	459.0
-34.0	CARBONDALE	SPRINGFIELD	COAL	3.0	495.0

MAPID: 05101290000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 31 QUARTERS/FOOTAGES: 1650' S line, 990' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.234618 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.833335 DATE COLLECTED:

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 474.0 LOG TYPE: Electric Log

SOURCE: CRAWFORD J L WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
18.0	CARBONDALE	HERRIN	COAL	5.0	438.0
-15.0	CARBONDALE	SPRINGFIELD	COAL	3.0	471.0

MAPID: 05101290000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 31 QUARTERS/FOOTAGES: 1650' S line, 990' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.234618 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.833335 DATE COLLECTED:

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 443.0 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
64.0	MODESTO	PIASA	LIMESTONE	8.0	392.0
56.0	MODESTO		SHALE	16.0	400.0
40.0	CARBONDALE	DANVILLE	COAL	1.0	416.0
39.0	CARBONDALE		SHALE	4.5	417.0
34.5	CARBONDALE		SHALE	4.5	421.5
30.0	CARBONDALE	BANKSTON FORK	LIMESTONE AND SANDSTONE	4.0	426.0
26.0	CARBONDALE	LAWSON	SHALE	6.0	430.0
20.0	CARBONDALE	BRERETON	LIMESTONE	1.0	436.0
19.0	CARBONDALE	ANNA	SHALE	1.0	437.0
18.0	CARBONDALE	HERRIN	COAL	5.0	438.0

MAPID: 05100048000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 1W **SECTION:** 34 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.176623 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.82688 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 546.0 **LOG TYPE:** Electric Log
SOURCE: WHISENANT & TRENCHARD **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	SPRINGFIELD	COAL	4.0	542.0	

MAPID: 05100048000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 1W **SECTION:** 34 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.176623 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.82688 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 1547.0 **LOG TYPE:**
SOURCE: WHSNT&TRD, MUELLER 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
286.0	BOND	CARTHAGE	LIMESTONE	-	164.0	
-50.0	CARBONDALE	HERRIN	COAL	-	500.0	

MAPID: 05101289000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 1W **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' S line, 2310' E line
QUADRANGLE: WILDCAT LAKE **LONGITUDE:** -89.164954 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.826383 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 523.0 **LOG TYPE:** Electric Log
SOURCE: STANFORD OIL & GAS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
317.0	BOND	CARTHAGE	LIMESTONE	-	139.0	
-27.0	CARBONDALE	HERRIN	COAL	5.0	483.0	
-64.0	CARBONDALE	SPRINGFIELD	COAL	3.0	520.0	

MAPID: 05101289000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 1W SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 2310' E line

QUADRANGLE: WILDCAT LAKE LONGITUDE: -89.164954

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.826383

DATE COLLECTED:

SURFACE ELEVATION (FT.): 456.0

LOGGED (FT.): 488.5

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	
23.0	MODESTO	PIASA	LIMESTONE	4.0	433.0	
19.0	MODESTO		SHALE	23.0	437.0	
-4.0	CARBONDALE	DANVILLE	COAL	1.5	460.0	
-5.5	CARBONDALE		SHALE	4.0	461.5	
-9.5	CARBONDALE		SHALE	4.0	465.5	
-13.5	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	469.5	
-17.5	CARBONDALE	LAWSON	SHALE	5.5	473.5	
-23.0	CARBONDALE	BRERETON	LIMESTONE	1.5	479.0	
-24.5	CARBONDALE	ANNA	SHALE	2.0	480.5	
-27.0	CARBONDALE	HERRIN	COAL	5.5	483.0	

MAPID: 05100647000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 1 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.930627

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.903214

DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 587.0

LOGGED (FT.): 1812.0

LOG TYPE:

SOURCE: LONGORIA J, BRAASCH F 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
172.0	BOND	CARTHAGE	LIMESTONE	-	415.0	
-77.0	CARBONDALE	HERRIN	COAL	-	664.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 05100649000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 1 QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.928345

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.910615

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 573.0

LOGGED (FT.): 1789.0

LOG TYPE:

SOURCE: TEXAS CO, PRUITT R 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
176.0	BOND	CARTHAGE	LIMESTONE	-	397.0	
-82.0	CARBONDALE	HERRIN	COAL	-	655.0	

MAPID: 05101613000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.935241 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.897491 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 653.0 LOG TYPE: Electric Log
 SOURCE: BROWN, RAY, ETAL WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
168.0	BOND	CARTHAGE	LIMESTONE	-	362.0
-120.0	CARBONDALE	SPRINGFIELD	COAL	3.0	650.0

MAPID: 05101618000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.94007 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.886342 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 745.0 LOG TYPE: Electric Log
 SOURCE: KUYKENDALL DRLG CO WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
157.0	BOND	CARTHAGE	LIMESTONE	-	430.0
-155.0	CARBONDALE	SPRINGFIELD	COAL	3.0	742.0

MAPID: 05101686000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.930772 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.890399 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 584.0 LOGGED (FT.): 703.0 LOG TYPE: Electric Log
 SOURCE: BELDEN, W. L. WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
144.0	BOND	CARTHAGE	LIMESTONE	-	440.0
-116.0	CARBONDALE	SPRINGFIELD	COAL	3.0	700.0

MAPID: 05102053000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE SE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.921713 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.885341 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 704.0 **LOG TYPE:** Electric Log
SOURCE: DORAN PAUL EST **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-117.0	CARBONDALE	SPRINGFIELD	COAL	2.0	702.0	

MAPID: 05101030000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 13 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.93335 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.868726 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 2164.0 **LOG TYPE:**
SOURCE: STRKLND F, USINGER C 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
135.0	BOND	CARTHAGE	LIMESTONE	-	408.0	
-154.0	CARBONDALE	HERRIN	COAL	-	697.0	

MAPID: 05101691000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.921819 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.876264 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 568.0 **LOGGED (FT.):** 701.0 **LOG TYPE:** Electric Log
SOURCE: BELDEN, W. L. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-130.0	CARBONDALE	SPRINGFIELD	COAL	3.0	698.0	

MAPID: 05101765000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: ST. PAUL LONGITUDE: -88.931029 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.87412 DATE COLLECTED:

SURFACE ELEVATION (FT.): 578.0 LOGGED (FT.): 741.0 LOG TYPE: Electric Log

SOURCE: ROBISON, H. F. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
151.0	BOND	CARTHAGE	LIMESTONE	-	427.0
-161.0	CARBONDALE	SPRINGFIELD	COAL	2.0	739.0

MAPID: 05101481000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 17 QUARTERS/FOOTAGES: 1650' S line, 1650' W line

QUADRANGLE: PATOKA LONGITUDE: -89.007497 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.871113 DATE COLLECTED:

SURFACE ELEVATION (FT.): 563.0 LOGGED (FT.): 772.0 LOG TYPE: Electric Log

SOURCE: DORAN PAUL EST WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
175.0	BOND	CARTHAGE	LIMESTONE	-	388.0
-160.0	CARBONDALE	HERRIN	COAL	6.0	723.0
-206.0	CARBONDALE	SPRINGFIELD	COAL	3.0	769.0

MAPID: 05101481000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 17 QUARTERS/FOOTAGES: 1650' S line, 1650' W line

QUADRANGLE: PATOKA LONGITUDE: -89.007497 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.871113 DATE COLLECTED:

SURFACE ELEVATION (FT.): 563.0 LOGGED (FT.): 728.0 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	
-71.0	MODESTO	PIASA	CALCAREOUS SHALE	8.0	634.0	
-79.0	MODESTO		SHALE	34.5	642.0	
-113.5	CARBONDALE	DANVILLE	COAL	1.5	676.5	
-115.0	CARBONDALE		SHALE	14.0	678.0	
-129.0	CARBONDALE		SHALE	4.0	692.0	
-133.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	696.0	UPPER BENCH
-138.0	CARBONDALE	BANKSTON FORK	SHALE	2.5	701.0	SHALE PARTING
-140.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	703.5	LOWER BENCH
-143.0	CARBONDALE	LAWSON	SHALE	5.5	706.0	
-148.5	CARBONDALE	CONANT	LIMESTONE	2.0	711.5	
-150.5	CARBONDALE		SHALE	2.0	713.5	
-152.5	CARBONDALE	BRERETON	LIMESTONE	3.5	715.5	
-156.0	CARBONDALE	ANNA	SHALE	4.0	719.0	
-160.0	CARBONDALE	HERRIN	COAL	5.0	723.0	

MAPID: 05104079000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW

QUADRANGLE: PATOKA LONGITUDE: -89.023801 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.872923 DATE COLLECTED:

SURFACE ELEVATION (FT.): 539.0 LOGGED (FT.): 741.0 LOG TYPE: Electric Log

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

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.0	BOND	CARTHAGE	LIMESTONE	-	360.0	
-158.0	CARBONDALE	HERRIN	COAL	-	697.0	
-198.0	CARBONDALE	SPRINGFIELD	COAL	4.0	737.0	

MAPID: 05102277000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 19 **QUARTERS/FOOTAGES:** 330' N line, 1650' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.019192 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.865668 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 564.0 **LOGGED (FT.):** 752.0 **LOG TYPE:** Electric Log
SOURCE: MONTGOMERY OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
194.0	BOND	CARTHAGE	LIMESTONE	-	370.0
-141.0	CARBONDALE	HERRIN	COAL	-	705.0
-186.0	CARBONDALE	SPRINGFIELD	COAL	2.0	750.0

MAPID: 05102277000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 19 **QUARTERS/FOOTAGES:** 330' N line, 1650' E line
QUADRANGLE: PATOKA **LONGITUDE:** -89.019192 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.865668 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 564.0 **LOGGED (FT.):** 710.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-95.0	CARBONDALE	DANVILLE	COAL	1.0	659.0
-96.0	CARBONDALE		SHALE	10.0	660.0
-106.0	CARBONDALE		SHALE	3.0	670.0
-109.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	673.0 LOWER BENCH
-114.0	CARBONDALE	LAWSON	SHALE	19.0	678.0
-133.0	CARBONDALE	BRERETON	LIMESTONE	4.0	697.0
-137.0	CARBONDALE	ANNA	SHALE	4.0	701.0
-141.0	CARBONDALE	HERRIN	COAL	5.0	705.0

MAPID: 05100656000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 23 **QUARTERS/FOOTAGES:** 2310' N line, 330' W line
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.956869 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.860918 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 567.0 **LOGGED (FT.):** 2200.0 **LOG TYPE:**
SOURCE: SUNRAY OC, BOYE 1 **WELL TYPE:**
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
177.0	BOND	CARTHAGE	LIMESTONE	-	390.0
-218.0	CARBONDALE	HERRIN	COAL	-	785.0

MAPID: 05100656000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 23 QUARTERS/FOOTAGES: 2310' N line, 330' W line
 QUADRANGLE: ST. PAUL LONGITUDE: -88.956869 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.860918 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 790.5 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	
-182.5	CARBONDALE	DANVILLE	COAL	1.0	749.5	
-183.5	CARBONDALE		SHALE	10.0	750.5	
-193.5	CARBONDALE		SHALE	3.5	760.5	
-197.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	764.0	LOWER BENCH
-200.0	CARBONDALE	LAWSON	SHALE	5.0	767.0	
-205.0	CARBONDALE	BRERETON	LIMESTONE	9.0	772.0	
-214.0	CARBONDALE	ANNA	SHALE	4.0	781.0	
-218.0	CARBONDALE	HERRIN	COAL	5.5	785.0	

MAPID: 05100656000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 23 QUARTERS/FOOTAGES: 2310' N line, 330' W line
 QUADRANGLE: ST. PAUL LONGITUDE: -88.956869 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.860918 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 837.0 LOG TYPE: Electric Log
 SOURCE: SUNRAY OIL CORP WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
177.0	BOND	CARTHAGE	LIMESTONE	-	390.0	
-225.0	CARBONDALE	HERRIN	COAL	-	792.0	
-265.0	CARBONDALE	SPRINGFIELD	COAL	5.0	832.0	

MAPID: 05101567000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 2E SECTION: 24 QUARTERS/FOOTAGES: 330' N line, 400' W line of NE NE
 QUADRANGLE: ST. PAUL LONGITUDE: -88.923892 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.867161 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 581.0 LOGGED (FT.): 766.0 LOG TYPE: Electric Log
 SOURCE: BELDEN, W. L. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
130.0	BOND	CARTHAGE	LIMESTONE	-	451.0	
-182.0	CARBONDALE	SPRINGFIELD	COAL	3.0	763.0	

MAPID: 05101253000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE NE
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.921954 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.848762 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 583.0 **LOGGED (FT.):** 795.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
143.0	BOND	CARTHAGE	LIMESTONE	-	440.0	
-209.0	CARBONDALE	SPRINGFIELD	COAL	3.0	792.0	

MAPID: 05100658000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 36 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.936006 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.833953 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 574.0 **LOGGED (FT.):** 797.0 **LOG TYPE:** Electric Log
SOURCE: HOLLEMAN PAUL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
147.0	BOND	CARTHAGE	LIMESTONE	-	427.0	
-219.0	CARBONDALE	SPRINGFIELD	COAL	4.0	793.0	

MAPID: 05100658000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 2E **SECTION:** 36 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.936006 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.833953 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 574.0 **LOGGED (FT.):** 2193.0 **LOG TYPE:**
SOURCE: HOLLEMAN P, KRUSE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
147.0	BOND	CARTHAGE	LIMESTONE	-	427.0	
-186.0	CARBONDALE	HERRIN	COAL	-	760.0	COAL ERODED OR ABSENT

MAPID: 05100659000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.859083 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.905304 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 609.0 **LOGGED (FT.):** 784.0 **LOG TYPE:** Electric Log
SOURCE: BREMO DEV. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
134.0	BOND	CARTHAGE	LIMESTONE	-	475.0	
-171.0	CARBONDALE	SPRINGFIELD	COAL	4.0	780.0	

MAPID: 05100659000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.859083 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.905304 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 603.1 **LOGGED (FT.):** 2010.0 **LOG TYPE:**
SOURCE: BREMO DEV, MAHON B 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
127.1	BOND	CARTHAGE	LIMESTONE	-	476.0	
-151.9	CARBONDALE	HERRIN	COAL	-	755.0	

MAPID: 05100044000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.908781 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.910895 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 584.0 **LOGGED (FT.):** 1629.0 **LOG TYPE:**
SOURCE: MUHLBACH A, PETERS D 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.0	BOND	CARTHAGE	LIMESTONE	-	411.0	
-87.0	CARBONDALE	HERRIN	COAL	-	671.0	COAL ERODED OR ABSENT

MAPID: 05100661000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.919081 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.910881 DATE COLLECTED:

SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 700.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-113.0	CARBONDALE	SPRINGFIELD	COAL	-	700.0	

MAPID: 05101631000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 990' E line of SW SE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.908568 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.900011 DATE COLLECTED:

SURFACE ELEVATION (FT.): 581.0 LOGGED (FT.): 700.0 LOG TYPE: Electric Log

SOURCE: TAYLOR F & H WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
156.0	BOND	CARTHAGE	LIMESTONE	-	425.0	
-114.0	CARBONDALE	SPRINGFIELD	COAL	5.0	695.0	

MAPID: 05100664000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 8 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.882685 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.889057 DATE COLLECTED:

SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 773.0 LOG TYPE: Electric Log

SOURCE: UNION PRODUCTS PETRO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
142.0	BOND	CARTHAGE	LIMESTONE	-	460.0	
-168.0	CARBONDALE	SPRINGFIELD	COAL	3.0	770.0	

MAPID: 05100664000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 8 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.882685 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.889057 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 1827.0 **LOG TYPE:**
SOURCE: UNION PET, MAHON 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
140.0	BOND	CARTHAGE	LIMESTONE	-	459.0	
-152.0	CARBONDALE	HERRIN	COAL	-	751.0	COAL ERODED OR ABSENT

MAPID: 05101482000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW NW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.861419 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.892601 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 796.0 **LOG TYPE:** Electric Log
SOURCE: BOLIN, D. H. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	BOND	CARTHAGE	LIMESTONE	-	482.0	
-192.0	CARBONDALE	SPRINGFIELD	COAL	3.0	793.0	

MAPID: 05101029000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 17 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.894498 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.878135 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 2168.0 **LOG TYPE:**
SOURCE: SIMPSON C, HARPSTER P 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
141.0	BOND	CARTHAGE	LIMESTONE	-	458.0	
-141.0	CARBONDALE	HERRIN	COAL	-	740.0	COAL ERODED OR ABSENT

MAPID: 05101664000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SW
 QUADRANGLE: ST. PAUL LONGITUDE: -88.899102 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.870873 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 768.0 LOG TYPE: Electric Log
 SOURCE: FITZWILLIAM, G. & SONS WELL TYPE: Water Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
148.0	BOND	CARTHAGE	LIMESTONE	-	452.0	
-165.0	CARBONDALE	SPRINGFIELD	COAL	3.0	765.0	

MAPID: 05101005000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 18 QUARTERS/FOOTAGES: SE SW SW
 QUADRANGLE: ST. PAUL LONGITUDE: -88.916848 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.869072 DATE COLLECTED: 0 / 0 / 1946
 SURFACE ELEVATION (FT.): 594.0 LOGGED (FT.): 2185.0 LOG TYPE:
 SOURCE: CUNNGHAM E, LANSFORD 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
137.0	BOND	CARTHAGE	LIMESTONE	-	457.0	
-126.0	CARBONDALE	HERRIN	COAL	-	720.0	COAL ERODED OR ABSENT

MAPID: 05101028000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 18 QUARTERS/FOOTAGES: NW NE NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.914288 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.881916 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 705.0 LOG TYPE: Electric Log
 SOURCE: MURPHY OIL CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
167.0	BOND	CARTHAGE	LIMESTONE	-	420.0	
-115.0	CARBONDALE	SPRINGFIELD	COAL	3.0	702.0	

MAPID: 05101028000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 18 QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.914288

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.881916

DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 2071.0

LOG TYPE:

SOURCE: MURPHY OC, HARPSTER O 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
167.0	BOND	CARTHAGE	LIMESTONE	-	420.0	
-106.0	CARBONDALE	HERRIN	COAL	-	693.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 05101694000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW

QUADRANGLE: ST. PAUL LONGITUDE: -88.914402

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.874584

DATE COLLECTED:

SURFACE ELEVATION (FT.): 590.0 LOGGED (FT.): 733.0

LOG TYPE: Electric Log

SOURCE: BELDEN, W. L.

WELL TYPE: Water Injection

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
145.0	BOND	CARTHAGE	LIMESTONE	-	445.0	
-140.0	CARBONDALE	SPRINGFIELD	COAL	3.0	730.0	

MAPID: 05101624000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: ST. PAUL LONGITUDE: -88.914478

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.863553

DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 764.0

LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
155.0	BOND	CARTHAGE	LIMESTONE	-	425.0	
-180.0	CARBONDALE	SPRINGFIELD	COAL	4.0	760.0	

MAPID: 05101483000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.892304 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.86176 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 826.0 **LOG TYPE:** Electric Log
SOURCE: JOHNSON ALVIN W **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
149.0	BOND	CARTHAGE	LIMESTONE	-	436.0
-239.0	CARBONDALE	SPRINGFIELD	COAL	2.0	824.0

MAPID: 05101027000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.836344 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.861628 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 577.0 **LOGGED (FT.):** 830.0 **LOG TYPE:** Electric Log
SOURCE: CLAUDE NEON LTS INC **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
59.0	BOND	CARTHAGE	LIMESTONE	-	518.0
-249.0	CARBONDALE	SPRINGFIELD	COAL	4.0	826.0

MAPID: 05101027000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.836344 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.861628 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 577.0 **LOGGED (FT.):** 2352.0 **LOG TYPE:**
SOURCE: CLAUD NEON, HASEBRCK W 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
57.0	BOND	CARTHAGE	LIMESTONE	-	520.0
-229.0	CARBONDALE	HERRIN	COAL	-	806.0 COAL ERODED OR ABSENT

MAPID: 05101006000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.838769 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.841606 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 823.0 **LOG TYPE:** Electric Log
SOURCE: LUTTRELL HOMER **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
77.0	BOND	CARTHAGE	LIMESTONE	-	510.0	
-233.0	CARBONDALE	SPRINGFIELD	COAL	3.0	820.0	

MAPID: 05101006000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.838769 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.841606 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 584.0 **LOGGED (FT.):** 2335.0 **LOG TYPE:**
SOURCE: LUTTRELL H, COLE&GOUBE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
75.0	BOND	CARTHAGE	LIMESTONE	-	509.0	
-203.0	CARBONDALE	HERRIN	COAL	-	787.0	COAL ERODED OR ABSENT

MAPID: 05101026000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 27 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.845797 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.839736 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 571.0 **LOGGED (FT.):** 2072.0 **LOG TYPE:**
SOURCE: LUTTRELL H, COLE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
91.0	BOND	CARTHAGE	LIMESTONE	-	480.0	
-197.0	CARBONDALE	HERRIN	COAL	-	768.0	COAL ERODED OR ABSENT

MAPID: 05102059000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 27 **QUARTERS/FOOTAGES:** 330' N line, 990' E line of SE
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.848183 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.845191 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 804.0 **LOG TYPE:** Electric Log
SOURCE: LUTTRELL HOMER **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
113.0	BOND	CARTHAGE	LIMESTONE	-	472.0
-215.0	CARBONDALE	SPRINGFIELD	COAL	4.0	800.0

MAPID: 05101640000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 28 **QUARTERS/FOOTAGES:** 330' N line, 990' E line of NW SE
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.871458 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.845165 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 577.0 **LOGGED (FT.):** 754.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
152.0	BOND	CARTHAGE	LIMESTONE	-	425.0
-173.0	CARBONDALE	SPRINGFIELD	COAL	4.0	750.0

MAPID: 05100614000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.890163 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.847034 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 772.0 **LOG TYPE:** Electric Log
SOURCE: MID-CONTINENT PETROL **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
152.0	BOND	CARTHAGE	LIMESTONE	-	433.0
-183.0	CARBONDALE	SPRINGFIELD	COAL	4.0	768.0

MAPID: 05100614000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.890163 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.847034 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 2178.0 **LOG TYPE:**
SOURCE: MIDCON PET, MEYER B 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.0	BOND	CARTHAGE	LIMESTONE	-	436.0	
-158.0	CARBONDALE	HERRIN	COAL	-	743.0	COAL ERODED OR ABSENT

MAPID: 05100614000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.890163 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.847034 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2178.0 **LOG TYPE:** Survey Sample Study
SOURCE: MID-CONTINENT PETROL **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: 05100064000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.904471 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.839552 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 580.0 **LOGGED (FT.):** 1926.0 **LOG TYPE:**
SOURCE: DRN BL&LUT, AUKAMP 4A **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
168.0	BOND	CARTHAGE	LIMESTONE	-	412.0	
-135.0	CARBONDALE	HERRIN	COAL	-	715.0	COAL ERODED OR ABSENT

MAPID: 05100065000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 30 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: ST. PAUL LONGITUDE: -88.90946 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.841452 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 1904.0 LOG TYPE:

SOURCE: DRN BL&LUT, AUKAMP 3B WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
167.0	BOND	CARTHAGE	LIMESTONE	-	408.0	
-142.0	CARBONDALE	HERRIN	COAL	-	717.0	COAL ERODED OR ABSENT

MAPID: 05100176000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 30 QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: ST. PAUL LONGITUDE: -88.916934 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.83969 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 1914.0 LOG TYPE:

SOURCE: DRN BL&LUT, TORBECK 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
189.0	BOND	CARTHAGE	LIMESTONE	-	394.0	
-131.0	CARBONDALE	HERRIN	COAL	-	714.0	COAL ERODED OR ABSENT

MAPID: 05100669000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 30 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: ST. PAUL LONGITUDE: -88.919426 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.839719 DATE COLLECTED:

SURFACE ELEVATION (FT.): 576.0 LOGGED (FT.): 760.5 LOG TYPE: Electric Log

SOURCE: KINGWOOD OIL CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	CARBONDALE	SPRINGFIELD	COAL	3.5	757.0	ROOF: LS

MAPID: 05100669000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 30 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: ST. PAUL LONGITUDE: -88.919426

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.839719

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 576.0 LOGGED (FT.): 2188.0

LOG TYPE:

SOURCE: KINGWOODOC, TORBECK 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.0	BOND	CARTHAGE	LIMESTONE	-	395.0	
-139.0	CARBONDALE	HERRIN	COAL	-	715.0	COAL ERODED OR ABSENT

MAPID: 05102060000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE

QUADRANGLE: ST. PAUL LONGITUDE: -88.906882

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.843269

DATE COLLECTED:

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 750.0

LOG TYPE: Electric Log

SOURCE: DORAN THOMAS S

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
165.0	BOND	CARTHAGE	LIMESTONE	-	410.0	
-170.0	CARBONDALE	SPRINGFIELD	COAL	5.0	745.0	

MAPID: 05102066000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE NE

QUADRANGLE: ST. PAUL LONGITUDE: -88.904368

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.848869

DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 772.0

LOG TYPE: Electric Log

SOURCE: WILHOIT R E

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
150.0	BOND	CARTHAGE	LIMESTONE	-	430.0	
-190.0	CARBONDALE	SPRINGFIELD	COAL	2.0	770.0	

MAPID: 05100067000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.907145 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.828713 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 578.0 **LOGGED (FT.):** 1908.0 **LOG TYPE:**
SOURCE: LUTTRELL H, AUKAMP 2A **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
167.0	BOND	CARTHAGE	LIMESTONE	-	411.0	
-142.0	CARBONDALE	HERRIN	COAL	-	720.0	COAL ERODED OR ABSENT

MAPID: 05100075000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.912005 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.835988 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 570.0 **LOGGED (FT.):** 1900.0 **LOG TYPE:**
SOURCE: LUTTRELL H, FORD 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
175.0	BOND	CARTHAGE	LIMESTONE	-	395.0	
-136.0	CARBONDALE	HERRIN	COAL	-	706.0	

MAPID: 05100080000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: ST. PAUL **LONGITUDE:** -88.912088 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.832347 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 574.0 **LOGGED (FT.):** 1907.0 **LOG TYPE:**
SOURCE: DRN BL&LUT, FORD C C 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
179.0	BOND	CARTHAGE	LIMESTONE	-	395.0	
-135.0	CARBONDALE	HERRIN	COAL	-	709.0	

MAPID: 05101791000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 31 QUARTERS/FOOTAGES: 120' S line, 760' E line of NE NW
 QUADRANGLE: ST. PAUL LONGITUDE: -88.913453 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.835418 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 574.0 LOGGED (FT.): 751.0 LOG TYPE: Electric Log
 SOURCE: SHELL OIL COMPANY WELL TYPE: Service Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
177.0	BOND	CARTHAGE	LIMESTONE	-	397.0	
-173.0	CARBONDALE	SPRINGFIELD	COAL	4.0	747.0	

MAPID: 05124874000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 32 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW
 QUADRANGLE: ST. PAUL LONGITUDE: -88.892589 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.834129 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 569.0 LOGGED (FT.): 763.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-191.0	CARBONDALE	SPRINGFIELD	COAL	3.0	760.0	

MAPID: 05124854000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 34 QUARTERS/FOOTAGES: 990' N line, 990' W line of NE NW
 QUADRANGLE: KINMUNDY LONGITUDE: -88.855256 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.83599 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 584.0 LOGGED (FT.): 824.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-237.0	CARBONDALE	SPRINGFIELD	COAL	3.0	821.0	ROOF: LS

MAPID: 05101024000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 35 QUARTERS/FOOTAGES: SE SW SW
 QUADRANGLE: KINMUNDY LONGITUDE: -88.841452 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.825217 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 581.0 LOGGED (FT.): 819.0 LOG TYPE: Electric Log
 SOURCE: LUTTRELL HOMER WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-233.0	CARBONDALE	SPRINGFIELD	COAL	5.0	814.0	

MAPID: 05101024000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 35 QUARTERS/FOOTAGES: SE SW SW
 QUADRANGLE: KINMUNDY LONGITUDE: -88.841452 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.825217 DATE COLLECTED: 0 / 0 / 1946
 SURFACE ELEVATION (FT.): 581.0 LOGGED (FT.): 2362.0 LOG TYPE:
 SOURCE: LUTTRELL H, JAHRHAUS 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
101.0	BOND	CARTHAGE	LIMESTONE	-	480.0	
-211.0	CARBONDALE	HERRIN	COAL	-	792.0	COAL ERODED OR ABSENT

MAPID: 05101025000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 35 QUARTERS/FOOTAGES: NW NE NE
 QUADRANGLE: KINMUNDY LONGITUDE: -88.829381 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.838035 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 829.0 LOG TYPE: Electric Log
 SOURCE: LUTTRELL HOMER WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	BOND	CARTHAGE	LIMESTONE	-	502.0	
-239.0	CARBONDALE	SPRINGFIELD	COAL	5.0	824.0	

MAPID: 05101025000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 35 QUARTERS/FOOTAGES: NW NE NE

QUADRANGLE: KINMUNDY LONGITUDE: -88.829381

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.838035

DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 2045.0

LOG TYPE:

SOURCE: LUTTRELL H, DORR 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	BOND	CARTHAGE	LIMESTONE	-	502.0	
-219.0	CARBONDALE	HERRIN	COAL	-	804.0	COAL ERODED OR ABSENT

MAPID: 05124857000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 3E SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: KINMUNDY LONGITUDE: -88.824869

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.832559

DATE COLLECTED:

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 820.0

LOG TYPE: Electric Log

SOURCE: BEESON, RICHARD W.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
95.0	BOND	CARTHAGE	LIMESTONE	-	490.0	
-231.0	CARBONDALE	SPRINGFIELD	COAL	4.0	816.0	

MAPID: 05101023000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 1 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.697147

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.907986

DATE COLLECTED:

SURFACE ELEVATION (FT.): 552.0 LOGGED (FT.): 920.0

LOG TYPE: Electric Log

SOURCE: BENSON, KATHERINE

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-36.0	BOND	CARTHAGE	LIMESTONE	-	588.0	
-364.0	CARBONDALE	SPRINGFIELD	COAL	4.0	916.0	ROOF: 4ST.D

MAPID: 05101023000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 1 QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.697147

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.907986

DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 552.0 LOGGED (FT.): 2500.0

LOG TYPE:

SOURCE: BENSON J R, DURRE GEO 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-36.0	BOND	CARTHAGE	LIMESTONE	-	588.0	
-328.0	CARBONDALE	HERRIN	COAL	-	880.0	COAL ERODED OR ABSENT

MAPID: 05101485000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 990' E line of SW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.725401

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.900086

DATE COLLECTED:

SURFACE ELEVATION (FT.): 574.0 LOGGED (FT.): 910.0

LOG TYPE: Electric Log

SOURCE: BOLIN, D. H.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-21.0	BOND	CARTHAGE	LIMESTONE	-	595.0	
-313.0	CARBONDALE	HERRIN	COAL	-	887.0	
-334.0	CARBONDALE	SPRINGFIELD	COAL	2.0	908.0	

MAPID: 05101486000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 3 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.7394

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.899996

DATE COLLECTED:

SURFACE ELEVATION (FT.): 572.0 LOGGED (FT.): 896.0

LOG TYPE: Electric Log

SOURCE: BOLIN, D. H.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-19.0	BOND	CARTHAGE	LIMESTONE	-	591.0	
-322.0	CARBONDALE	SPRINGFIELD	COAL	2.0	894.0	

MAPID: 05124877000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 8 **QUARTERS/FOOTAGES:** 338' N line, 330' E line of NW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.779352 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.89751 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 930.5 **LOG TYPE:** Electric Log
SOURCE: COLLINS BROTHERS OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	SPRINGFIELD	COAL	3.5	927.0	

MAPID: 05101022000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.732727 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.885527 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 581.0 **LOGGED (FT.):** 908.0 **LOG TYPE:** Electric Log
SOURCE: GEORGE & WRATHER OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-3.0	BOND	CARTHAGE	LIMESTONE	-	584.0	
-323.0	CARBONDALE	SPRINGFIELD	COAL	4.0	904.0	

MAPID: 05101022000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.732727 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.885527 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 581.0 **LOGGED (FT.):** 2582.0 **LOG TYPE:**
SOURCE: GEO&WRATHER, REYNOLDS L 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-3.0	BOND	CARTHAGE	LIMESTONE	-	584.0	
-295.0	CARBONDALE	HERRIN	COAL	-	876.0	COAL ERODED OR ABSENT

MAPID: 05101587000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.741856 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.892671 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 900.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	592.0	
-	CARBONDALE	SPRINGFIELD	COAL	2.0	898.0	

MAPID: 05100943000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 11 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.71849 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.889231 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 576.0 **LOGGED (FT.):** 2546.0 **LOG TYPE:**
SOURCE: WAGGONER L, BURTON GEO 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	607.0	
-313.0	CARBONDALE	HERRIN	COAL	-	889.0	COAL ERODED OR ABSENT

MAPID: 05101461000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.716181 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.885563 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 573.0 **LOGGED (FT.):** 926.0 **LOG TYPE:** Electric Log
SOURCE: WINN C R **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-41.0	BOND	CARTHAGE	LIMESTONE	-	614.0	
-350.0	CARBONDALE	SPRINGFIELD	COAL	3.0	923.0	

MAPID: 05101021000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 12 QUARTERS/FOOTAGES: SW SE NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.706719 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.893075 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 572.0 LOGGED (FT.): 952.0 LOG TYPE: Electric Log
 SOURCE: BELL, WILLIAM WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-49.0	BOND	CARTHAGE	LIMESTONE	-	621.0	
-377.0	CARBONDALE	SPRINGFIELD	COAL	3.0	949.0	

MAPID: 05101021000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 12 QUARTERS/FOOTAGES: SW SE NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.706719 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.893075 DATE COLLECTED: 0 / 0 / 1946
 SURFACE ELEVATION (FT.): 572.0 LOGGED (FT.): 2528.0 LOG TYPE:
 SOURCE: BELL WM, VOESTE C H 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-48.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-338.0	CARBONDALE	HERRIN	COAL	-	910.0	COAL ERODED OR ABSENT

MAPID: 05100167000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 13 QUARTERS/FOOTAGES: NE SW NE
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.699984 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.880395 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 923.0 LOG TYPE: Electric Log
 SOURCE: BELL BROTHERS WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-346.0	CARBONDALE	SPRINGFIELD	COAL	2.0	921.0	

MAPID: 05100167000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 13 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.699984 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.880395 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 575.0 **LOGGED (FT.):** 2573.0 **LOG TYPE:**
SOURCE: BELL BROS, VISKNSKI L 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-29.0	BOND	CARTHAGE	LIMESTONE	-	604.0	
-314.0	CARBONDALE	HERRIN	COAL	-	889.0	COAL ERODED OR ABSENT

MAPID: 05101020000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 13 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.695438 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.873252 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 569.0 **LOGGED (FT.):** 923.0 **LOG TYPE:** Electric Log
SOURCE: BELL, WILLIAM **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-16.0	BOND	CARTHAGE	LIMESTONE	-	585.0	
-349.0	CARBONDALE	SPRINGFIELD	COAL	5.0	918.0	

MAPID: 05101020000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 13 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.695438 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.873252 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 569.0 **LOGGED (FT.):** 2656.0 **LOG TYPE:**
SOURCE: BELL WM, WEAVER ETL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-15.0	BOND	CARTHAGE	LIMESTONE	-	584.0	
-313.0	CARBONDALE	HERRIN	COAL	-	882.0	COAL ERODED OR ABSENT

MAPID: 05124818000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.723283 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.883739 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 579.0 LOGGED (FT.): 931.0 LOG TYPE: Electric Log
 SOURCE: G. A. M. OIL COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-349.0	CARBONDALE	SPRINGFIELD	COAL	3.0	928.0	

MAPID: 05101589000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.749181 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.872397 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 917.0 LOG TYPE: Electric Log
 SOURCE: HAWK OIL PRODUCERS WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-33.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-327.0	CARBONDALE	SPRINGFIELD	COAL	3.0	914.0	

MAPID: 05101019000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 16 QUARTERS/FOOTAGES: SW SW SW
 QUADRANGLE: KINMUNDY LONGITUDE: -88.76822 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.870089 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 582.0 LOGGED (FT.): 866.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-280.0	CARBONDALE	SPRINGFIELD	COAL	4.0	862.0	

MAPID: 05101019000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 16 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: KINMUNDY LONGITUDE: -88.76822 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.870089 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 2545.0 LOG TYPE:

SOURCE: NAT ASSOC, SALZMAN C 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
25.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-255.0	CARBONDALE	HERRIN	COAL	-	840.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 05101487000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 17 QUARTERS/FOOTAGES: 660' N line, 660' E line of NE

QUADRANGLE: LOOGOOTEE LONGITUDE: -88.771501 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.882036 DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 874.0 LOG TYPE: Electric Log

SOURCE: IL EXPLORATION, INC. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
46.0	BOND	CARTHAGE	LIMESTONE	-	534.0	
-292.0	CARBONDALE	SPRINGFIELD	COAL	2.0	872.0	

MAPID: 05101488000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 20 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NE

QUADRANGLE: KINMUNDY LONGITUDE: -88.772932 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.868191 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 883.0 LOG TYPE: Electric Log

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

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	564.0	
-	CARBONDALE	SPRINGFIELD	COAL	3.0	880.0	

MAPID: 05100954000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.742525 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.856054 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 582.0 **LOGGED (FT.):** 2610.0 **LOG TYPE:**
SOURCE: TIDE WATER, WADE UNIT 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-19.0	BOND	CARTHAGE	LIMESTONE	-	601.0	
-321.0	CARBONDALE	HERRIN	COAL	-	903.0	COAL ERODED OR ABSENT

MAPID: 05100955000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.740026 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.865289 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 586.0 **LOGGED (FT.):** 955.0 **LOG TYPE:** Electric Log
SOURCE: KINGWOOD OIL CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-24.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-364.0	CARBONDALE	SPRINGFIELD	COAL	5.0	950.0	

MAPID: 05100955000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.740026 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.865289 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 586.0 **LOGGED (FT.):** 2585.0 **LOG TYPE:**
SOURCE: KINGWOODOC, TAPPE H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-23.0	BOND	CARTHAGE	LIMESTONE	-	609.0	
-328.0	CARBONDALE	HERRIN	COAL	-	914.0	COAL ERODED OR ABSENT

MAPID: 05100957000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 22 QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.742455

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.859725

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 2358.0

LOG TYPE:

SOURCE: CALLHN ETL, LITTLETON 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-17.0	BOND	CARTHAGE	LIMESTONE	-	597.0	
-318.0	CARBONDALE	HERRIN	COAL	-	898.0	COAL ERODED OR ABSENT

MAPID: 05102072000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.747069

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.861461

DATE COLLECTED:

SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 937.0

LOG TYPE: Electric Log

SOURCE: CALLIHAN, JOHN J.

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-23.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-346.0	CARBONDALE	SPRINGFIELD	COAL	4.0	933.0	

MAPID: 05101007000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 5N 4E SECTION: 23 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.723621

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.867384

DATE COLLECTED:

SURFACE ELEVATION (FT.): 576.0 LOGGED (FT.): 950.0

LOG TYPE: Electric Log

SOURCE: HAMMER, A. J.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-20.0	BOND	CARTHAGE	LIMESTONE	-	596.0	
-370.0	CARBONDALE	SPRINGFIELD	COAL	4.0	946.0	

MAPID: 05101007000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.723621 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.867384 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 576.0 **LOGGED (FT.):** 2570.0 **LOG TYPE:**
SOURCE: HAMMER A J, DIEPERT 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-20.0	BOND	CARTHAGE	LIMESTONE	-	596.0	
-334.0	CARBONDALE	HERRIN	COAL	-	910.0	COAL ERODED OR ABSENT

MAPID: 05100956000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 27 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.742885 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.841184 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 582.0 **LOGGED (FT.):** 955.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-40.0	BOND	CARTHAGE	LIMESTONE	-	622.0	
-368.0	CARBONDALE	SPRINGFIELD	COAL	5.0	950.0	

MAPID: 05100956000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 27 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.742885 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.841184 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 582.0 **LOGGED (FT.):** 2658.0 **LOG TYPE:**
SOURCE: TEXAS CO, HWD&WHT CM 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-40.0	BOND	CARTHAGE	LIMESTONE	-	622.0	
-331.0	CARBONDALE	HERRIN	COAL	-	913.0	COAL ERODED OR ABSENT

MAPID: 05100675000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 28 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.758953 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.850094 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 580.0 **LOGGED (FT.):** 2520.0 **LOG TYPE:**
SOURCE: OIL INC, WADE C T 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-37.0	BOND	CARTHAGE	LIMESTONE	-	617.0	
-308.0	CARBONDALE	HERRIN	COAL	-	888.0	COAL ERODED OR ABSENT

MAPID: 05101004000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 28 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.761206 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.853761 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 934.0 **LOG TYPE:** Electric Log
SOURCE: WAGGONER LELAND **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-345.0	CARBONDALE	SPRINGFIELD	COAL	4.0	930.0	ROOF: 3'ST.D

MAPID: 05101004000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 28 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: KINMUNDY **LONGITUDE:** -88.761206 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.853761 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 2500.0 **LOG TYPE:**
SOURCE: WAGGONER L, KOELLING 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-310.0	CARBONDALE	HERRIN	UNCLASSIFIED	-	895.0	COAL ERODED OR ABSENT

MAPID: 05101489000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.724135 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.826792 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 566.0 **LOGGED (FT.):** 960.0 **LOG TYPE:** Electric Log
SOURCE: DORAN THOMAS S **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-390.0	CARBONDALE	SPRINGFIELD	COAL	4.0	956.0	

MAPID: 05101008000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 36 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.696132 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.829106 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 563.0 **LOGGED (FT.):** 2745.0 **LOG TYPE:**
SOURCE: TEXAS CO, SOLDNER G 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-9.0	BOND	CARTHAGE	LIMESTONE	-	572.0	
-367.0	CARBONDALE	HERRIN	COAL	-	930.0	COAL ERODED OR ABSENT

MAPID: 05101563000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 5N 4E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.700757 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.832721 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 567.0 **LOGGED (FT.):** 980.0 **LOG TYPE:** Electric Log
SOURCE: TROOP, R. H. ETAL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-49.0	BOND	CARTHAGE	LIMESTONE	-	616.0	
-363.0	CARBONDALE	HERRIN	COAL	-	930.0	
-409.0	CARBONDALE	SPRINGFIELD	COAL	4.0	976.0	

MAPID: 05100028000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 1E **SECTION:** 8 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: VANDALIA **LONGITUDE:** -89.104588 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.975896 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 515.3 **LOGGED (FT.):** 574.0 **LOG TYPE:** Measured section
SOURCE: BASSETT G, COAL SHAFT **WELL TYPE:** Underground mine
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
248.3	BOND	CARTHAGE	LIMESTONE	-	267.0

MAPID: 05170003000C **VERSION:** 1 **PROJECT:** NCRDS
COUNTY: FAYETTE **TWP/RNG:** 6N 1E **SECTION:** 8 **QUARTERS/FOOTAGES:** 2200' N line, 30' W line
QUADRANGLE: VANDALIA **LONGITUDE:** -89.12188 **GEOLOGIST:** LOUCHIOS
CONFIDENTIAL: N **LATITUDE:** 38.978325 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 595.0 **LOGGED (FT.):** 420.0 **LOG TYPE:** Drillers Log
SOURCE: UTAH INTERNATIONAL 01C2955 **WELL TYPE:** Coal Test
COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
595.0			UNCLASSIFIED	125.5	0.0
469.5			COAL	0.8	125.5
468.7			UNCLASSIFIED	205.7	126.3
263.0			COAL	0.3	332.0
262.7			UNCLASSIFIED	87.7	332.3

MAPID: 05100953000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 1E **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' N line, 1650' E line
QUADRANGLE: VANDALIA **LONGITUDE:** -89.090438 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.983061 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 1818.0 **LOG TYPE:**
SOURCE: DORAN PAUL, MABRY&WHIT 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
234.0	BOND	CARTHAGE	LIMESTONE	-	244.0
-84.0	CARBONDALE	HERRIN	COAL	-	562.0

MAPID: 05100953000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 1650' E line
 QUADRANGLE: VANDALIA LONGITUDE: -89.090438 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.983061 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 570.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-54.5	CARBONDALE	DANVILLE	COAL	1.0	532.5
-55.5	CARBONDALE		SHALE	7.0	533.5
-62.5	CARBONDALE		SHALE	7.0	540.5
-69.5	CARBONDALE	BANKSTON FORK	LIMESTONE	6.5	547.5
-76.0	CARBONDALE	LAWSON	SHALE	8.0	554.0
-84.0	CARBONDALE	BRERETON	LIMESTONE	2.0	562.0
-86.0	CARBONDALE	HERRIN	COAL	6.0	564.0

MAPID: 05100953000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 1650' E line
 QUADRANGLE: VANDALIA LONGITUDE: -89.090438 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.983061 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 602.0 LOG TYPE: Electric Log
 SOURCE: DORAN PAUL EST WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
233.0	BOND	CARTHAGE	LIMESTONE	-	245.0
-86.0	CARBONDALE	HERRIN	COAL	4.0	564.0
-120.0	CARBONDALE	SPRINGFIELD	COAL	4.0	598.0

MAPID: 05170000000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 12 QUARTERS/FOOTAGES: 970' N line, 1520' W line
 QUADRANGLE: VANDALIA LONGITUDE: -89.041725 GEOLOGIST: LOUCHIOS
 CONFIDENTIAL: N LATITUDE: 38.9804 DATE COLLECTED: 0 / 0 / 1955
 SURFACE ELEVATION (FT.): 519.0 LOGGED (FT.): 1324.0 LOG TYPE: Drillers Log
 SOURCE: UTAH INTERNATIONAL 02C2082 WELL TYPE: Coal Test
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
519.0			UNCLASSIFIED	660.0	0.0
-141.0	CARBONDALE		COAL	2.0	660.0
-143.0	CARBONDALE		UNCLASSIFIED	26.0	662.0
-169.0	CARBONDALE	SPRINGFIELD	COAL	2.0	688.0
-171.0			UNCLASSIFIED	634.0	690.0

MAPID: 05100027000C VERSION: 1

PROJECT: NCRDS87

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 16 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: VANDALIA LONGITUDE: -89.097771 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 38.961211 DATE COLLECTED:

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 332.5 LOG TYPE: Drillers Log

SOURCE: JACOB SAPP WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
510.0			UNCONSOLIDATED	52.0	0.0	
458.0	BOND		UNCLASSIFIED	14.0	52.0	
444.0	BOND		SHALE	13.0	66.0	
431.0	BOND	CARTHAGE	LIMESTONE	5.5	79.0	
425.5	MODESTO		COAL	1.5	84.5	
424.0	MODESTO		UNDERCLAY	6.5	86.0	
417.5	MODESTO		UNCLASSIFIED	1.5	92.5	
416.0	MODESTO		SHALE	104.0	94.0	
312.0	MODESTO		COAL	2.0	198.0	
310.0	MODESTO		SHALE & SANDSTONE	75.0	200.0	
235.0	MODESTO		LIMESTONE	20.0	275.0	
215.0	MODESTO		SHALE	3.0	295.0	
212.0	MODESTO		COAL	5.0	298.0	
207.0	MODESTO		UNDERCLAY	4.0	303.0	
203.0	MODESTO		CALCAREOUS SHALE	20.5	307.0	
182.5	CARBONDALE	DANVILLE	COAL	5.0	327.5	UNCERTAIN CORRELATION

MAPID: 05170002000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 16 QUARTERS/FOOTAGES: 2500' N line, 140' W line

QUADRANGLE: VANDALIA LONGITUDE: -89.10317 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 38.962541 DATE COLLECTED:

SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 544.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 06C28 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
515.0			UNCLASSIFIED	123.7	0.0	
391.3			COAL	0.8	123.7	
390.5			UNCLASSIFIED	175.8	124.5	
214.7			COAL	0.6	300.3	
214.1			UNCLASSIFIED	24.4	300.9	
189.7			COAL	0.8	325.3	
188.9			UNCLASSIFIED	217.9	326.1	

MAPID: 05101000000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 1E **SECTION:** 19 **QUARTERS/FOOTAGES:** 990' S line, 1650' E line
QUADRANGLE: HAGARSTOWN **LONGITUDE:** -89.1284 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.943542 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 1814.0 **LOG TYPE:**
SOURCE: MEYERS J, COCAGNE S 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-43.0	CARBONDALE	HERRIN	COAL	-	630.0

MAPID: 05101000000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 6N 1E **SECTION:** 19 **QUARTERS/FOOTAGES:** 990' S line, 1650' E line
QUADRANGLE: HAGARSTOWN **LONGITUDE:** -89.1284 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.943542 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 578.0 **LOGGED (FT.):** 638.0 **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
3.0	MODESTO	PIASA	LIMESTONE & SHALE	5.0	575.0
-2.0	MODESTO		SHALE	19.0	580.0
-21.0	CARBONDALE	DANVILLE	COAL	1.0	599.0
-22.0	CARBONDALE		SHALE	7.0	600.0
-29.0	CARBONDALE		SHALE	7.0	607.0
-36.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	614.0
-42.0	CARBONDALE	LAWSON	SHALE	10.0	620.0
-52.0	CARBONDALE	BRERETON	LIMESTONE	2.0	630.0
-54.0	CARBONDALE	HERRIN	COAL	6.0	632.0

MAPID: 05101000000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 1E **SECTION:** 19 **QUARTERS/FOOTAGES:** 990' S line, 1650' E line
QUADRANGLE: HAGARSTOWN **LONGITUDE:** -89.1284 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.943542 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 682.0 **LOG TYPE:** Electric Log
SOURCE: MYERS JOHN W **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
301.0	BOND	CARTHAGE	LIMESTONE	-	286.0
-44.0	CARBONDALE	HERRIN	COAL	7.0	631.0
-91.0	CARBONDALE	SPRINGFIELD	COAL	4.0	678.0

MAPID: 05100673000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 22 QUARTERS/FOOTAGES: SE SE NE SW

QUADRANGLE: VANDALIA LONGITUDE: -89.076282

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.944037

DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 470.0

LOGGED (FT.): 1733.0

LOG TYPE:

SOURCE: HAUSMN ETL, NOR LI INS 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
225.0	BOND	CARTHAGE	LIMESTONE	-	245.0	
-110.0	CARBONDALE	HERRIN	COAL	-	580.0	

MAPID: 05100673000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 22 QUARTERS/FOOTAGES: SE SE NE SW

QUADRANGLE: VANDALIA LONGITUDE: -89.076282

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.944037

DATE COLLECTED:

SURFACE ELEVATION (FT.): 470.0

LOGGED (FT.): 584.0

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	
-42.0	MODESTO	PIASA	LIMESTONE	8.0	512.0	
-50.0	MODESTO		SHALE	20.0	520.0	
-70.0	CARBONDALE	DANVILLE	COAL	4.0	540.0	
-74.0	CARBONDALE		SHALE	11.0	544.0	
-85.0	CARBONDALE		SHALE	5.0	555.0	
-90.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	560.0	UPPER BENCH
-95.0	CARBONDALE	BANKSTON FORK	SHALE	4.0	565.0	SHALE PARTING
-99.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	569.0	LOWER BENCH
-102.0	CARBONDALE	LAWSON	SHALE	7.5	572.0	
-109.5	CARBONDALE	BRERETON	LIMESTONE	3.5	579.5	
-110.0	CARBONDALE	HERRIN	COAL	4.0	580.0	

MAPID: 05101405000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE
 QUADRANGLE: VANDALIA LONGITUDE: -89.072136 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.9463 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 623.0 LOG TYPE: Electric Log
 SOURCE: TRIO PROD CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
234.0	BOND	CARTHAGE	LIMESTONE	-	240.0
-106.0	CARBONDALE	HERRIN	COAL	3.0	580.0
-146.0	CARBONDALE	SPRINGFIELD	COAL	3.0	620.0

MAPID: 05170001000C VERSION: 1

PROJECT: NCRDS

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 22 QUARTERS/FOOTAGES: 1270' S line, 2230' E line
 QUADRANGLE: VANDALIA LONGITUDE: -89.074246 GEOLOGIST: LOUCHIOS
 CONFIDENTIAL: N LATITUDE: 38.943401 DATE COLLECTED: 0 / 0 / 1937
 SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 1215.0 LOG TYPE: Drillers Log
 SOURCE: UTAH INTERNATIONAL 07C673 WELL TYPE: Coal Test
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
474.0			UNCLASSIFIED	623.0	0.0
-149.0	CARBONDALE	SPRINGFIELD	COAL	2.0	623.0
-151.0	CARBONDALE		UNCLASSIFIED	61.0	625.0
-212.0	CARBONDALE		COAL	2.0	686.0
-214.0			UNCLASSIFIED	527.0	688.0

MAPID: 05100999000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 24 QUARTERS/FOOTAGES: 1650' N line, 2310' E line
 QUADRANGLE: VANDALIA LONGITUDE: -89.037293 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.949325 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 1924.0 LOG TYPE:
 SOURCE: YNGBLD J L, SMITH A 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
181.0	BOND	CARTHAGE	LIMESTONE	-	309.0
-154.0	CARBONDALE	HERRIN	COAL	-	644.0

MAPID: 05100999000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 24 QUARTERS/FOOTAGES: 1650' N line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.037293

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.949325

DATE COLLECTED:

SURFACE ELEVATION (FT.): 490.0

LOGGED (FT.): 638.0

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	
-78.0	MODESTO	PIASA	CALCAREOUS SHALE	9.0	568.0	
-87.0	MODESTO		SHALE	26.0	577.0	
-113.0	CARBONDALE		SHALE	10.0	603.0	
-123.0	CARBONDALE		DARK GRAY SHALE	6.0	613.0	
-129.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	619.0	LOWER BENCH
-134.0	CARBONDALE	LAWSON	SHALE	8.0	624.0	
-142.0	CARBONDALE		CALCAREOUS SHALE	5.0	632.0	
-147.0	CARBONDALE	BRERETON	LIMESTONE	4.0	637.0	
-151.0	CARBONDALE	ANNA	SHALE	2.0	641.0	
-144.0	CARBONDALE	HERRIN	COAL	4.0	634.0	

MAPID: 05100999000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 24 QUARTERS/FOOTAGES: 1650' N line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.037293

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.949325

DATE COLLECTED:

SURFACE ELEVATION (FT.): 490.0

LOGGED (FT.): 695.0

LOG TYPE: Electric Log

SOURCE: YOUNGBLOOD J LEE

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
180.0	BOND	CARTHAGE	LIMESTONE	-	310.0	
-154.0	CARBONDALE	HERRIN	COAL	4.0	644.0	
-201.0	CARBONDALE	SPRINGFIELD	COAL	4.0	691.0	ROOF: ST.D

MAPID: 05100213000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 35 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.056395 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.918697 DATE COLLECTED:

SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 689.0 LOG TYPE: Electric Log

SOURCE: SKELLY OIL CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
191.0	BOND	CARTHAGE	LIMESTONE	-	305.0	
-149.0	CARBONDALE	HERRIN	COAL	3.0	645.0	
-189.0	CARBONDALE	SPRINGFIELD	COAL	4.0	685.0	ROOF: STD

MAPID: 05100213000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1E SECTION: 35 QUARTERS/FOOTAGES: 2310' N line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.056395 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.918697 DATE COLLECTED:

SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 649.0 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	
-67.0	MODESTO	PIASA	LIMESTONE	5.0	560.0	
-72.0	MODESTO		SHALE	34.0	565.0	
-106.0	CARBONDALE	DANVILLE	COAL	1.0	599.0	
-107.0	CARBONDALE		SHALE	9.0	600.0	
-116.0	CARBONDALE		DARK GRAY SHALE	5.0	609.0	
-121.0	CARBONDALE	BANKSTON FORK	LIMESTONE & SHALE	10.0	614.0	LOWER BENCH
-131.0	CARBONDALE	LAWSON	SHALE	6.0	624.0	
-137.0	CARBONDALE		CALCAREOUS SHALE	6.0	630.0	
-143.0	CARBONDALE	BRERETON	LIMESTONE	6.5	636.0	
-149.5	CARBONDALE	ANNA	SHALE	2.0	642.5	
-151.0	CARBONDALE	HERRIN	COAL	5.0	644.0	

MAPID: 05101414000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 3 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.176674 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.989075 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 586.0 LOG TYPE: Electric Log
 SOURCE: FOX GERALD H WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
342.0	BOND	CARTHAGE	LIMESTONE	-	190.0
-14.0	CARBONDALE	HERRIN	COAL	6.0	546.0
-50.0	CARBONDALE	SPRINGFIELD	COAL	4.0	582.0

MAPID: 05100019000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 4 QUARTERS/FOOTAGES: SE SE SW SE
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.199354 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.987775 DATE COLLECTED: 0 / 0 / 1913
 SURFACE ELEVATION (FT.): 555.3 LOGGED (FT.): 497.0 LOG TYPE:
 SOURCE: MC KEE W M, 1 WELL TYPE: Coal Test
 COMMENT: LOCATION AND SURFACE ELEVATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
393.3	BOND	CARTHAGE	LIMESTONE	-	162.0
63.3	CARBONDALE	HERRIN	COAL	5.0	492.0

MAPID: 05100019000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 4 QUARTERS/FOOTAGES: SE SE SW SE
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.199354 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.987775 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 497.0 LOG TYPE: Drillers Log
 SOURCE: WELL TYPE: Coal Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
40.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	480.0
36.5	CARBONDALE	LAWSON	CALCAREOUS SHALE	4.0	483.5
32.5	CARBONDALE		BLACK SHALE	2.0	487.5
30.5	CARBONDALE	BRERETON	LIMESTONE	1.3	489.5
29.2	CARBONDALE	ANNA	BLACK SHALE	1.3	490.8
28.0	CARBONDALE	HERRIN	COAL	5.0	492.0

MAPID: 05100019000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 4 QUARTERS/FOOTAGES: SE SE SW SE
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.199354 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.987775 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 497.0 LOG TYPE: Drillers Log
 SOURCE: MCKEE, W. M. WELL TYPE: Unsuccessful or Unknown Results
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
358.0	BOND	CARTHAGE	LIMESTONE	-	162.0
28.0	CARBONDALE	HERRIN	COAL	5.0	492.0

MAPID: 05100997000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 4 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.211808 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.998435 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 597.0 LOG TYPE: Electric Log
 SOURCE: HARRISON, ETAL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
343.0	BOND	CARTHAGE	LIMESTONE	-	215.0
4.0	CARBONDALE	HERRIN	COAL	6.0	554.0
-34.0	CARBONDALE	SPRINGFIELD	COAL	5.0	592.0

MAPID: 05100997000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 4 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.211808 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.998435 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 1400.0 LOG TYPE:
 SOURCE: HARRSN ETL, BRANUM J A 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
343.0	BOND	CARTHAGE	LIMESTONE	-	215.0
4.0	CARBONDALE	HERRIN	COAL	-	554.0

MAPID: 05101303000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 10 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.185827 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.976782 DATE COLLECTED:

SURFACE ELEVATION (FT.): 526.0 LOGGED (FT.): 553.0 LOG TYPE: Electric Log

SOURCE: BROWN, JAMES G. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
349.0	BOND	CARTHAGE	LIMESTONE	-	177.0
14.0	CARBONDALE	HERRIN	COAL	4.0	512.0
-22.0	CARBONDALE	SPRINGFIELD	COAL	5.0	548.0

MAPID: 05101303000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 10 QUARTERS/FOOTAGES: 1650' S line, 2310' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.185827 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.976782 DATE COLLECTED:

SURFACE ELEVATION (FT.): 526.0 LOGGED (FT.): 515.5 LOG TYPE: Electric Log

SOURCE: POOR DESCRIPTION WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
68.0	MODESTO	PIASA	LIMESTONE	3.0	458.0
65.0	MODESTO		SHALE	18.0	461.0
47.0	CARBONDALE	DANVILLE	COAL	2.0	479.0
45.0	CARBONDALE		SHALE	10.0	481.0
35.0	CARBONDALE		SHALE	10.0	491.0
25.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	501.0
22.0	CARBONDALE	LAWSON	SHALE	7.0	504.0
15.0	CARBONDALE	BRERETON	LIMESTONE	2.0	511.0
14.0	CARBONDALE	HERRIN	COAL	3.5	512.0

MAPID: 05100998000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 2310' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.148795 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.984141 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 1689.0 LOG TYPE:

SOURCE: DORAN PAUL, OLDFIELD J 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
347.0	BOND	CARTHAGE	LIMESTONE	-	198.0
-11.0	CARBONDALE	HERRIN	COAL	-	556.0

MAPID: 05100998000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 2310' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.148795

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.984141

DATE COLLECTED:

SURFACE ELEVATION (FT.): 545.0

LOGGED (FT.): 562.0

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
40.0	MODESTO	PIASA	LIMESTONE	5.0	505.0
35.0	MODESTO		SHALE	20.0	510.0
15.0	CARBONDALE		SHALE	14.0	530.0
1.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	544.0
-5.0	CARBONDALE	LAWSON	SHALE	6.0	550.0
-11.0	CARBONDALE	BRERETON	LIMESTONE	2.0	556.0
-11.0	CARBONDALE	HERRIN	COAL	6.0	556.0

MAPID: 05100998000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 2310' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.148795

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.984141

DATE COLLECTED:

SURFACE ELEVATION (FT.): 545.0

LOGGED (FT.): 596.0

LOG TYPE: Electric Log

SOURCE: DORAN PAUL EST

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
347.0	BOND	CARTHAGE	LIMESTONE	-	198.0
-11.0	CARBONDALE	HERRIN	COAL	7.0	556.0
-48.0	CARBONDALE	SPRINGFIELD	COAL	3.0	593.0

MAPID: 05100755000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 14 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.162579

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.961149

DATE COLLECTED:

SURFACE ELEVATION (FT.): 538.0

LOGGED (FT.): 558.0

LOG TYPE: Electric Log

SOURCE: KINGWOOD OIL CO

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
360.0	BOND	CARTHAGE	LIMESTONE	-	178.0
20.0	CARBONDALE	HERRIN	COAL	6.0	518.0
-16.0	CARBONDALE	SPRINGFIELD	COAL	4.0	554.0

MAPID: 05100755000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 14 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.162579

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.961149

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 538.0 LOGGED (FT.): 2946.0

LOG TYPE:

SOURCE: KINGWOODOC, DAYTON L 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
360.0	BOND	CARTHAGE	LIMESTONE	-	178.0
22.0	CARBONDALE	HERRIN	COAL	-	516.0

MAPID: 05101441000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.174278

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.97082

DATE COLLECTED:

SURFACE ELEVATION (FT.): 533.0 LOGGED (FT.): 525.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
31.0	CARBONDALE	BANKSTON FORK	LIMESTONE	8.0	502.0
23.0	CARBONDALE	LAWSON	SHALE	4.0	510.0
19.0	CARBONDALE	BRERETON	LIMESTONE	5.0	514.0
14.0	CARBONDALE	HERRIN	COAL	6.0	519.0

MAPID: 05100020000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 15 QUARTERS/FOOTAGES: SE SE SE SW

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.185153

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.95806

DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 534.0

LOG TYPE:

SOURCE: BYRD & SON, DOLLY F

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
325.0	BOND	CARTHAGE	LIMESTONE	-	190.0
-12.0	CARBONDALE	HERRIN	COAL	5.4	527.0

MAPID: 05100020000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 15 QUARTERS/FOOTAGES: SE SE SE SW

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.185153

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.95806

DATE COLLECTED:

SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 532.4

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
38.0	MODESTO	PIASA	LIMESTONE	0.5	480.0
37.5	MODESTO		GRAY SHALE	11.8	480.5
25.7	CARBONDALE	DANVILLE	COAL	2.0	492.3
23.7	CARBONDALE		CLAYSTONE	4.8	494.3
19.0	CARBONDALE		BLACK SHALE	3.0	499.0
16.0	CARBONDALE		BLACK SHALE	7.0	502.0
9.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	509.0
2.0	CARBONDALE	LAWSON	GRAY SHALE	7.0	516.0
-5.0	CARBONDALE	BRERETON	LIMESTONE	0.5	523.0
-5.5	CARBONDALE	ANNA	BLACK SHALE	3.3	523.5
-9.0	CARBONDALE	HERRIN	COAL	5.4	527.0

MAPID: 05100020000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 15 QUARTERS/FOOTAGES: SE SE SE SW

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.185153

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.95806

DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 532.0

LOG TYPE: Drillers Log

SOURCE: BYRD, A. R. & SONS

WELL TYPE: Unsuccessful or Unknown Results

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	BOND	CARTHAGE	LIMESTONE	-	111.0
-	CARBONDALE	HERRIN	COAL	5.0	527.0

MAPID: 05100823000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 17 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.213715

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.965278

DATE COLLECTED: 0 / 0 / 1935

SURFACE ELEVATION (FT.): 493.8 LOGGED (FT.): 1548.0

LOG TYPE:

SOURCE: HURRCNE CK, WOOLSEY F 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
358.8	BOND	CARTHAGE	LIMESTONE	-	135.0
27.8	CARBONDALE	HERRIN	COAL	-	466.0

MAPID: 05100021000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 20 QUARTERS/FOOTAGES: SW SW NW
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.229889 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.953283 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 533.0 LOG TYPE: Electric Log
 SOURCE: GORMAN & WILSON WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.0	485.0	
-	CARBONDALE	SPRINGFIELD	COAL	6.0	527.0	

MAPID: 05100021000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 20 QUARTERS/FOOTAGES: SW SW NW
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.229889 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.953283 DATE COLLECTED: 0 / 0 / 1923
 SURFACE ELEVATION (FT.): 555.3 LOGGED (FT.): 1500.0 LOG TYPE:
 SOURCE: GORM&WILSN, SARNER 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
407.3	BOND	CARTHAGE	LIMESTONE	-	148.0	
70.3	CARBONDALE	HERRIN	COAL	-	485.0	

MAPID: 05101013000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 23 QUARTERS/FOOTAGES: SE SW SE
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.162362 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.942867 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 564.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
2.0	CARBONDALE	HERRIN	COAL	5.0	526.0	
-32.0	CARBONDALE	SPRINGFIELD	COAL	4.0	560.0	

MAPID: 05101013000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 23 QUARTERS/FOOTAGES: SE SW SE

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.162362 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.942867 DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 3800.0 LOG TYPE:

SOURCE: NAT ASSOC, DUGAN J M 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
318.0	BOND	CARTHAGE	LIMESTONE	-	210.0	
2.0	CARBONDALE	HERRIN	COAL	-	526.0	

MAPID: 05100825000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 24 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.155378 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.942537 DATE COLLECTED:

SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 544.0 LOG TYPE: Electric Log

SOURCE: BENDENUM & TREES WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
20.0	CARBONDALE	HERRIN	COAL	5.0	505.0	
-15.0	CARBONDALE	SPRINGFIELD	COAL	4.0	540.0	

MAPID: 05100825000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 24 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.155378 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.942537 DATE COLLECTED: 0 / 0 / 1937

SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 3155.0 LOG TYPE:

SOURCE: BNDM&TREES, VANZANT 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
325.0	BOND	CARTHAGE	LIMESTONE	-	200.0	
-14.0	CARBONDALE	SPRINGFIELD	COAL	-	539.0	CORRELATION UNCERTAIN

MAPID: 05101296000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 25 QUARTERS/FOOTAGES: 2310' S line, 2310' E line
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.146068 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.933095 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 569.0 LOG TYPE: Electric Log
 SOURCE: TROOP, R. H. ETAL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-7.0	CARBONDALE	HERRIN	COAL	5.0	530.0	
-44.0	CARBONDALE	SPRINGFIELD	COAL	2.0	567.0	

MAPID: 05101296000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 25 QUARTERS/FOOTAGES: 2310' S line, 2310' E line
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.146068 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.933095 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 534.0 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	
40.0	MODESTO		SHALE	15.0	483.0	
25.0	CARBONDALE		SHALE	10.0	498.0	
15.0	CARBONDALE		SHALE	5.0	508.0	
10.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	513.0	
3.0	CARBONDALE	LAWSON	SHALE	5.0	520.0	
-2.0	CARBONDALE	BRERETON	LIMESTONE	1.0	525.0	
-3.0	CARBONDALE	ANNA	SHALE	3.0	526.0	
-6.0	CARBONDALE	HERRIN	COAL	5.0	529.0	

MAPID: 05100826000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 35 QUARTERS/FOOTAGES: NW NW SE
 QUADRANGLE: HAGARSTOWN LONGITUDE: -89.164513 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.919344 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 516.0 LOGGED (FT.): 1434.0 LOG TYPE:
 SOURCE: PUTNAM, SCHULTS 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
27.0	CARBONDALE	HERRIN	COAL	-	489.0	CORRELATION UNCERTAIN

MAPID: 05101297000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 1W SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW NE

QUADRANGLE: HAGARSTOWN LONGITUDE: -89.162169 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.924698 DATE COLLECTED:

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 546.0 LOG TYPE: Electric Log

SOURCE: DRLG & EXPLOR CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
307.0	BOND	CARTHAGE	LIMESTONE	-	214.0
11.0	CARBONDALE	HERRIN	COAL	6.0	510.0
-21.0	CARBONDALE	SPRINGFIELD	COAL	4.0	542.0

MAPID: 05101176000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 3 QUARTERS/FOOTAGES: 852' N line, 330' E line of SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.966176 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.988214 DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 871.0 LOG TYPE: Electric Log

SOURCE: MAZZARINO, M. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
100.0	BOND	CARTHAGE	LIMESTONE	-	480.0
-245.0	CARBONDALE	HERRIN	COAL	6.0	825.0
-287.0	CARBONDALE	SPRINGFIELD	COAL	4.0	867.0

MAPID: 05101491000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.993776 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.996937 DATE COLLECTED:

SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 817.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
110.0	BOND	CARTHAGE	LIMESTONE	-	404.0
-254.0	CARBONDALE	HERRIN	COAL	8.0	768.0
-298.0	CARBONDALE	SPRINGFIELD	COAL	5.0	812.0

MAPID: 05101491000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.993776 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.996937 DATE COLLECTED:

SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 775.0 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	6.0	692.0	
-184.0	MODESTO		SHALE	32.0	698.0	
-216.0	CARBONDALE	DANVILLE	COAL	3.0	730.0	
-219.0	CARBONDALE		SHALE	9.0	733.0	
-228.0	CARBONDALE		DARK GRAY SHALE	4.0	742.0	
-232.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	746.0	UPPER BENCH
-233.0	CARBONDALE	BANKSTON FORK	SHALE	1.0	747.0	SHALE PARTING
-234.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	748.0	LOWER BENCH
-238.0	CARBONDALE	LAWSON	SHALE	7.0	752.0	
-245.0	CARBONDALE	CONANT	LIMESTONE	1.0	759.0	
-246.0	CARBONDALE		SHALE	1.5	760.0	
-247.5	CARBONDALE	BRERETON	LIMESTONE	5.5	761.5	
-253.0	CARBONDALE	ANNA	SHALE	3.0	767.0	
-254.0	CARBONDALE	HERRIN	COAL	7.0	768.0	

MAPID: 05101018000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 2310' W line

QUADRANGLE: VANDALIA LONGITUDE: -89.020561 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.994773 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 497.0 LOGGED (FT.): 2021.0 LOG TYPE:

SOURCE: SHULMN BRO, WILLMS H 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
172.0	BOND	CARTHAGE	LIMESTONE	-	325.0	
-157.0	CARBONDALE	HERRIN	COAL	-	654.0	

MAPID: 05101018000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 2310' W line

QUADRANGLE: VANDALIA LONGITUDE: -89.020561

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.994773

DATE COLLECTED:

SURFACE ELEVATION (FT.): 497.0

LOGGED (FT.): 660.0

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	
-90.0	MODESTO	PIASA	LIMESTONE	5.0	587.0	
-95.0	MODESTO		SHALE	26.0	592.0	
-121.0	CARBONDALE	DANVILLE	COAL	5.0	618.0	
-126.0	CARBONDALE		SHALE	4.5	623.0	
-130.5	CARBONDALE	GALUM	LIMESTONE	2.5	627.5	
-133.0	CARBONDALE		DARK GRAY SHALE	4.0	630.0	
-137.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	634.0	LOWER BENCH
-140.0	CARBONDALE	LAWSON	SHALE	9.5	637.0	
-149.5	CARBONDALE	BRERETON	LIMESTONE	3.5	646.5	
-153.0	CARBONDALE	ANNA	SHALE	3.5	650.0	
-157.0	CARBONDALE	HERRIN	COAL	6.0	654.0	

MAPID: 05101018000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 6 QUARTERS/FOOTAGES: 990' N line, 2310' W line

QUADRANGLE: VANDALIA LONGITUDE: -89.020561

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.994773

DATE COLLECTED:

SURFACE ELEVATION (FT.): 497.0

LOGGED (FT.): 703.0

LOG TYPE: Electric Log

SOURCE: SHULMAN BROS. INC.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
172.0	BOND	CARTHAGE	LIMESTONE	-	325.0	
-157.0	CARBONDALE	HERRIN	COAL	6.0	654.0	
-202.0	CARBONDALE	SPRINGFIELD	COAL	4.0	699.0	

MAPID: 05101335000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 7 QUARTERS/FOOTAGES: 423' S line, 1650' W line
 QUADRANGLE: VANDALIA LONGITUDE: -89.023145 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.96925 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 714.0 LOG TYPE: Electric Log
 SOURCE: DEEP ROCK OIL CORP WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
167.0	BOND	CARTHAGE	LIMESTONE	-	328.0
-171.0	CARBONDALE	HERRIN	COAL	5.0	666.0
-215.0	CARBONDALE	SPRINGFIELD	COAL	4.0	710.0

MAPID: 05101335000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 7 QUARTERS/FOOTAGES: 423' S line, 1650' W line
 QUADRANGLE: VANDALIA LONGITUDE: -89.023145 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.96925 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 672.0 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
-101.0	MODESTO	PIASA	LIMESTONE	7.0	596.0
-108.0	MODESTO		SHALE	25.0	603.0
-133.0	CARBONDALE	DANVILLE	COAL	4.0	628.0
-137.0	CARBONDALE		SHALE	8.0	632.0
-145.0	CARBONDALE		DARK GRAY SHALE	4.5	640.0
-149.5	CARBONDALE	BANKSTON FORK	LIMESTONE	6.5	644.5 LOWER BENCH
-156.0	CARBONDALE	LAWSON	SHALE	8.0	651.0
-164.0	CARBONDALE	BRERETON	LIMESTONE	5.0	659.0
-169.0	CARBONDALE	ANNA	SHALE	2.0	664.0
-171.0	CARBONDALE	HERRIN	COAL	6.0	666.0

MAPID: 05101174000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.925119 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.977414 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 589.0 LOGGED (FT.): 730.0 LOG TYPE: Electric Log
 SOURCE: SHULMAN BROS. INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-141.0	CARBONDALE	SPRINGFIELD	COAL	-	730.0

MAPID: 05101017000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 13 QUARTERS/FOOTAGES: 990' N line, 990' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.922998

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.9664

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 592.0 LOGGED (FT.): 1858.0

LOG TYPE:

SOURCE: HAMMER A J, SELL F 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
184.0	BOND	CARTHAGE	LIMESTONE	-	408.0	
-88.0	CARBONDALE	HERRIN	COAL	-	680.0	COAL ERODED OR ABSENT

MAPID: 05101017000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 13 QUARTERS/FOOTAGES: 990' N line, 990' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.922998

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.9664

DATE COLLECTED:

SURFACE ELEVATION (FT.): 594.0 LOGGED (FT.): 710.5

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	
-84.0	CARBONDALE	HERRIN	COAL	1.5	678.0	
-85.5	CARBONDALE		SHALE	7.0	679.5	
-92.5	CARBONDALE		SHALE	2.0	686.5	
-94.5	CARBONDALE		LIMESTONE	6.5	688.5	
-101.0	CARBONDALE		SHALE	5.5	695.0	
-106.5	CARBONDALE		LIMESTONE	4.0	700.5	
-110.5	CARBONDALE		SHALE	3.5	704.5	
-114.0	CARBONDALE	SPRINGFIELD	COAL	2.5	708.0	

MAPID: 05101017000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 13 QUARTERS/FOOTAGES: 990' N line, 990' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.922998

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.9664

DATE COLLECTED:

SURFACE ELEVATION (FT.): 594.0 LOGGED (FT.): 710.0

LOG TYPE: Electric Log

SOURCE: HAMMER A S

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
186.0	BOND	CARTHAGE	LIMESTONE	-	408.0	
-113.0	CARBONDALE	SPRINGFIELD	COAL	3.0	707.0	
-188.0	CARBONDALE	HOUCHIN CREEK	COAL	-	782.0	
-238.0	CARBONDALE	COLCHESTER	COAL	-	832.0	

MAPID: 05101016000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 17 QUARTERS/FOOTAGES: 1650' N line, 990' W line

QUADRANGLE: VANDALIA LONGITUDE: -89.008322 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.963388 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 2140.0 LOG TYPE:

SOURCE: NAT ASSOC, KISTLER S 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
153.0	BOND	CARTHAGE	LIMESTONE	-	378.0
-185.0	CARBONDALE	HERRIN	COAL	-	716.0

MAPID: 05101016000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 17 QUARTERS/FOOTAGES: 1650' N line, 990' W line

QUADRANGLE: VANDALIA LONGITUDE: -89.008322 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.963388 DATE COLLECTED:

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 732.0 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	
-115.0	MODESTO	PIASA	LIMESTONE	5.0	646.0	
-120.0	MODESTO		SHALE	28.0	651.0	
-148.0	CARBONDALE	DANVILLE	COAL	3.0	679.0	
-151.0	CARBONDALE		SHALE	8.5	682.0	
-159.5	CARBONDALE		DARK GRAY SHALE	3.5	690.5	
-163.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	694.0	UPPER BENCH
-165.5	CARBONDALE	BANKSTON FORK	SHALE	1.5	696.5	SHALE PARTING
-167.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	698.0	LOWER BENCH
-172.0	CARBONDALE	LAWSON	SHALE	6.0	703.0	
-178.0	CARBONDALE	BRERETON	LIMESTONE	5.0	709.0	
-183.0	CARBONDALE	ANNA	SHALE	3.5	714.0	
-195.0	CARBONDALE	HERRIN	COAL	6.0	726.0	

MAPID: 05101016000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 17 QUARTERS/FOOTAGES: 1650' N line, 990' W line
 QUADRANGLE: VANDALIA LONGITUDE: -89.008322 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.963388 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 774.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
151.0	BOND	CARTHAGE	LIMESTONE	-	380.0
-185.0	CARBONDALE	HERRIN	COAL	6.0	716.0
-240.0	CARBONDALE	SPRINGFIELD	COAL	3.0	771.0

MAPID: 05124819000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE
 QUADRANGLE: VANDALIA LONGITUDE: -89.013305 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.943639 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 4.0 LOG TYPE: Electric Log
 SOURCE: UNITED STATES OIL, INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
136.0	BOND	CARTHAGE	LIMESTONE	-	414.0
-110.0	CARBONDALE	HERRIN	COAL	8.0	660.0
-	CARBONDALE	SPRINGFIELD	COAL	4.0	

MAPID: 05101001000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 1650' E line
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.999331 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.940088 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 557.0 LOGGED (FT.): 2136.0 LOG TYPE:
 SOURCE: DORAN PAUL, FOX L E 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
147.0	BOND	CARTHAGE	LIMESTONE	-	410.0
-203.0	CARBONDALE	HERRIN	COAL	-	760.0

MAPID: 05101001000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 1650' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.999331 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.940088 DATE COLLECTED:

SURFACE ELEVATION (FT.): 557.0 LOGGED (FT.): 769.0 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	
-124.0	MODESTO	PIASA	LIMESTONE	4.0	681.0	
-128.0	MODESTO		SHALE	31.0	685.0	
-159.0	CARBONDALE	DANVILLE	COAL	3.0	716.0	
-162.0	CARBONDALE		SHALE	12.0	719.0	
-174.0	CARBONDALE		DARK GRAY SHALE	4.5	731.0	
-178.5	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	735.5	LOWER BENCH
-183.5	CARBONDALE	LAWSON	SHALE	8.5	740.5	
-192.0	CARBONDALE	BRERETON	LIMESTONE	6.0	749.0	
-198.0	CARBONDALE	ANNA	SHALE	3.5	755.0	
-205.0	CARBONDALE	HERRIN	COAL	7.0	762.0	

MAPID: 05101001000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 20 QUARTERS/FOOTAGES: 330' S line, 1650' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.999331 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.940088 DATE COLLECTED:

SURFACE ELEVATION (FT.): 557.0 LOGGED (FT.): 826.0 LOG TYPE: Electric Log

SOURCE: DORAN PAUL EST WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
147.0	BOND	CARTHAGE	LIMESTONE	-	410.0	
-204.0	CARBONDALE	HERRIN	COAL	8.0	761.0	
-265.0	CARBONDALE	SPRINGFIELD	COAL	4.0	822.0	

MAPID: 05100942000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 21 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.983082 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.940406 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 571.0 LOGGED (FT.): 2010.0 LOG TYPE:

SOURCE: BUEL&DORAN, STINE M 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
159.0	BOND	CARTHAGE	LIMESTONE	-	412.0	
-191.0	CARBONDALE	HERRIN	COAL	-	762.0	

MAPID: 05101015000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' S line, 990' W line
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.989998 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.940215 **DATE COLLECTED:** 0 / 0 / 1948
SURFACE ELEVATION (FT.): 554.0 **LOGGED (FT.):** 1948.0 **LOG TYPE:**
SOURCE: WINN C R, JAMES ETAL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
153.0	BOND	CARTHAGE	LIMESTONE	-	401.0
-196.0	CARBONDALE	HERRIN	COAL	-	750.0

MAPID: 05101015000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' S line, 990' W line
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.989998 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.940215 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 557.0 **LOGGED (FT.):** 760.0 **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
-113.0	MODESTO	PIASA	LIMESTONE	4.0	670.0
-117.0	MODESTO		SHALE	34.0	674.0
-151.0	CARBONDALE	DANVILLE	COAL	3.0	708.0
-154.0	CARBONDALE		SHALE	11.0	711.0
-165.0	CARBONDALE		DARK GRAY SHALE	3.0	722.0
-168.0	CARBONDALE	BANKSTON FORK	LIMESTONE	7.0	725.0 LOWER BENCH
-175.0	CARBONDALE	LAWSON	SHALE	12.0	732.0
-187.0	CARBONDALE	BRERETON	LIMESTONE	4.0	744.0
-191.0	CARBONDALE	ANNA	SHALE	4.0	748.0
-197.0	CARBONDALE	HERRIN	COAL	6.0	754.0

MAPID: 05101015000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' S line, 990' W line
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.989998 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.940215 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 557.0 **LOGGED (FT.):** 810.0 **LOG TYPE:** Electric Log
SOURCE: WINN C R **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
151.0	BOND	CARTHAGE	LIMESTONE	-	406.0
-197.0	CARBONDALE	HERRIN	COAL	6.0	754.0
-247.0	CARBONDALE	SPRINGFIELD	COAL	6.0	804.0

MAPID: 05101492000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.934819 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.953612 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 569.0 **LOGGED (FT.):** 776.0 **LOG TYPE:** Electric Log
SOURCE: TURNER F E **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
156.0	BOND	CARTHAGE	LIMESTONE	-	413.0
-203.0	CARBONDALE	SPRINGFIELD	COAL	4.0	772.0

MAPID: 05100153000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 25 **QUARTERS/FOOTAGES:** NE SE SW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.93049 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.928648 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 573.0 **LOGGED (FT.):** 1610.0 **LOG TYPE:**
SOURCE: TEXAS CO, MORGAN L 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
209.0	BOND	CARTHAGE	LIMESTONE	-	364.0
-70.0	CARBONDALE	HERRIN	COAL	-	643.0 COAL ERODED OR ABSENT

MAPID: 05100607000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 25 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.921033 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.937626 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 1572.0 **LOG TYPE:**
SOURCE: SHERMN ETL, GARVER 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
196.0	BOND	CARTHAGE	LIMESTONE	-	340.0
-84.0	CARBONDALE	HERRIN	COAL	-	620.0

MAPID: 05100682000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 25 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.935135 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.928532 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 572.0 **LOGGED (FT.):** 1820.0 **LOG TYPE:**
SOURCE: JOHNSN DRC, BANK 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
190.0	BOND	CARTHAGE	LIMESTONE	-	382.0	
-94.0	CARBONDALE	HERRIN	COAL	-	666.0	COAL ERODED OR ABSENT

MAPID: 05100684000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 25 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.92581 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.930524 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 552.0 **LOGGED (FT.):** 1620.0 **LOG TYPE:**
SOURCE: NELLE B OC, GARVER 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
195.0	BOND	CARTHAGE	LIMESTONE	-	357.0	
-85.0	CARBONDALE	HERRIN	COAL	-	637.0	

MAPID: 05100694000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 2E **SECTION:** 25 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.923555 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.927059 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 575.0 **LOGGED (FT.):** 1610.0 **LOG TYPE:**
SOURCE: GULF REF, SMAIL WM 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
210.0	BOND	CARTHAGE	LIMESTONE	-	365.0	
-55.0	CARBONDALE	HERRIN	COAL	-	630.0	COAL ERODED OR ABSENT

MAPID: 05101616000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 25 QUARTERS/FOOTAGES: 561' S line, 330' E line of SW NE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.925737 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.934717 DATE COLLECTED:

SURFACE ELEVATION (FT.): 524.0 LOGGED (FT.): 717.0 LOG TYPE: Electric Log

SOURCE: ROSENTHAL IRMA WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
199.0	BOND	CARTHAGE	LIMESTONE	-	325.0	
-105.0	CARBONDALE	HERRIN	COAL	3.0	629.0	
-190.0	CARBONDALE	HOUCHIN CREEK	COAL	3.0	714.0	ROOF: 50'SH.

MAPID: 05101493000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 990' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.960311 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.938811 DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 830.0 LOG TYPE: Electric Log

SOURCE: SCHIERMANN, AL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
140.0	BOND	CARTHAGE	LIMESTONE	-	440.0	
-184.0	CARBONDALE	HERRIN	COAL	5.0	764.0	
-247.0	CARBONDALE	SPRINGFIELD	COAL	3.0	827.0	

MAPID: 05101493000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 990' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.960311 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.938811 DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 768.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-148.0	CARBONDALE	DANVILLE	COAL	1.5	728.0	
-149.5	CARBONDALE		SHALE	7.5	729.5	
-157.0	CARBONDALE	GALUM	LIMESTONE	1.5	737.0	
-158.5	CARBONDALE		SHALE	5.5	738.5	
-164.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	744.0	LOWER BENCH
-167.0	CARBONDALE	LAWSON	SHALE	7.5	747.0	
-174.5	CARBONDALE	BRERETON	LIMESTONE	4.5	754.5	
-179.0	CARBONDALE	ANNA	SHALE	5.0	759.0	
-184.0	CARBONDALE	HERRIN	COAL	4.5	764.0	

MAPID: 05101002000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 28 QUARTERS/FOOTAGES: SE NE NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.98546 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.936692 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 569.0 LOGGED (FT.): 815.0 LOG TYPE: Electric Log
 SOURCE: YOUNGBLOOD & DORAN WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.0	BOND	CARTHAGE	LIMESTONE	-	420.0	
-193.0	CARBONDALE	HERRIN	COAL	6.0	762.0	
-243.0	CARBONDALE	SPRINGFIELD	COAL	3.0	812.0	

MAPID: 05101002000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 28 QUARTERS/FOOTAGES: SE NE NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.98546 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.936692 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 569.0 LOGGED (FT.): 2115.0 LOG TYPE:
 SOURCE: YNGBLD&DRN, BUSH CHAS 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
149.0	BOND	CARTHAGE	LIMESTONE	-	420.0	
-191.0	CARBONDALE	HERRIN	COAL	-	760.0	

MAPID: 05102106000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 28 QUARTERS/FOOTAGES: 990' N line, 1650' E line

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.980892 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.936832 DATE COLLECTED:

SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 766.0 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	
-109.0	MODESTO	PIASA	LIMESTONE	6.5	674.0	
-115.5	MODESTO		SHALE	38.0	680.5	
-153.5	CARBONDALE	DANVILLE	COAL	2.0	718.5	
-155.5	CARBONDALE		SHALE	8.5	720.5	
-164.0	CARBONDALE	GALUM	LIMESTONE	1.5	729.0	
-165.5	CARBONDALE		DARK GRAY SHALE	3.5	730.5	
-169.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.5	734.0	LOWER BENCH
-174.5	CARBONDALE	LAWSON	SHALE	10.0	739.5	
-184.5	CARBONDALE	BRERETON	LIMESTONE	5.0	749.5	
-189.5	CARBONDALE	ANNA	SHALE	4.0	754.5	
-195.0	CARBONDALE	HERRIN	COAL	6.0	760.0	

MAPID: 05101014000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 31 QUARTERS/FOOTAGES: 1650' N line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.020823 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.920218 DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 2141.0 LOG TYPE:

SOURCE: CLAUD NEON, POLND CHAS 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
156.0	BOND	CARTHAGE	LIMESTONE	-	394.0	
-185.0	CARBONDALE	HERRIN	COAL	-	735.0	

MAPID: 05101014000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 31 QUARTERS/FOOTAGES: 1650' N line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.020823 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.920218 DATE COLLECTED:

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 740.0 LOG TYPE: Electric Log

SOURCE: COMMENT: FAIR DESCRIPTION WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-104.0	MODESTO	PIASA	LIMESTONE	4.0	654.0	
-108.0	MODESTO		SHALE	37.0	658.0	
-145.0	CARBONDALE		SHALE	8.0	695.0	
-153.0	CARBONDALE		SHALE	4.0	703.0	
-157.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.5	707.0	LOWER BENCH
-161.5	CARBONDALE	LAWSON	SHALE	16.0	711.5	
-177.5	CARBONDALE	BRERETON	LIMESTONE	4.0	727.5	
-181.5	CARBONDALE	ANNA	SHALE	4.5	731.5	
-186.0	CARBONDALE	HERRIN	COAL	4.0	736.0	

MAPID: 05101014000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 31 QUARTERS/FOOTAGES: 1650' N line, 2310' E line

QUADRANGLE: VANDALIA LONGITUDE: -89.020823 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.920218 DATE COLLECTED:

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 784.0 LOG TYPE: Electric Log

SOURCE: CLAUDE NEON LTS INC WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
156.0	BOND	CARTHAGE	LIMESTONE	-	394.0	
-185.0	CARBONDALE	HERRIN	COAL	6.0	735.0	
-231.0	CARBONDALE	SPRINGFIELD	COAL	3.0	781.0	

MAPID: 05101363000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 32 QUARTERS/FOOTAGES: 340' S line, 333' W line of SE NW

QUADRANGLE: VANDALIA LONGITUDE: -89.006829 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.918572 DATE COLLECTED:

SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 803.0 LOG TYPE: Electric Log

SOURCE: CLAYPOOL DAVID N WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
148.0	BOND	CARTHAGE	LIMESTONE	-	410.0	
-197.0	CARBONDALE	HERRIN	COAL	2.0	755.0	
-243.0	CARBONDALE	SPRINGFIELD	COAL	2.0	801.0	

MAPID: 05101703000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 32 QUARTERS/FOOTAGES: 1650' S line, 990' W line

QUADRANGLE: VANDALIA LONGITUDE: -89.009289 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.915035 DATE COLLECTED:

SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 695.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-120.0	MODESTO	PIASA	LIMESTONE	3.0	606.0	
-123.0	MODESTO		SHALE	38.0	609.0	
-161.0	CARBONDALE		SHALE	9.0	647.0	
-170.0	CARBONDALE		SHALE	4.0	656.0	
-174.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.5	660.0	LOWER BENCH
-178.5	CARBONDALE	LAWSON	SHALE	18.0	664.5	
-196.5	CARBONDALE	BRERETON	LIMESTONE	4.0	682.5	
-200.5	CARBONDALE	ANNA	SHALE	4.0	686.5	
-204.0	CARBONDALE	HERRIN	COAL	5.0	690.0	

MAPID: 05100036000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.930551 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.925076 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 569.0 LOGGED (FT.): 1606.0 LOG TYPE:

SOURCE: OHIO OIL, PETERS H 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
202.0	BOND	CARTHAGE	LIMESTONE	-	367.0	
-78.0	CARBONDALE	HERRIN	COAL	-	647.0	COAL ERODED OR ABSENT

MAPID: 05100701000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.925906 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.925207 DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 1614.0 LOG TYPE:

SOURCE: GULF REF, SMAIL WM 7 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
207.0	BOND	CARTHAGE	LIMESTONE	-	363.0	
-55.0	CARBONDALE	HERRIN	COAL	-	625.0	

MAPID: 05100711000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.921319 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.919906 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 1610.0 LOG TYPE:

SOURCE: OHIO OIL, SWARM J 13 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
197.0	BOND	CARTHAGE	LIMESTONE	-	388.0	
-55.0	CARBONDALE	HERRIN	COAL	-	640.0	COAL ERODED OR ABSENT

MAPID: 05100713000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: NW SE SE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.923696 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.914396 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 584.0 LOGGED (FT.): 1613.0 LOG TYPE:

SOURCE: OHIO OIL, SWARM J 15 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
192.0	BOND	CARTHAGE	LIMESTONE	-	392.0	
-58.0	CARBONDALE	HERRIN	COAL	-	642.0	COAL ERODED OR ABSENT

MAPID: 05100714000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.928294 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.917881 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 578.0 LOGGED (FT.): 1615.0 LOG TYPE:

SOURCE: OHIO OIL, WILLIAMS C 3 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
206.0	BOND	CARTHAGE	LIMESTONE	-	372.0	
-55.0	CARBONDALE	HERRIN	COAL	-	633.0	COAL ERODED OR ABSENT

MAPID: 05100962000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: NW SE NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.932899 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.921371 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 576.0 LOGGED (FT.): 680.0 LOG TYPE: Electric Log
 SOURCE: OHIO OIL CO., THE WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
197.0	BOND	CARTHAGE	LIMESTONE	-	379.0	
-100.0	CARBONDALE	SPRINGFIELD	COAL	4.0	676.0	

MAPID: 05100962000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: NW SE NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.932899 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.921371 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 576.0 LOGGED (FT.): 1613.0 LOG TYPE:
 SOURCE: OHIO OIL, WILLIAMS C 16 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
198.0	BOND	CARTHAGE	LIMESTONE	-	378.0	
-76.0	CARBONDALE	HERRIN	COAL	-	652.0	COAL ERODED OR ABSENT

MAPID: 05100962000C VERSION: 3

PROJECT: CONTROL

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: NW SE NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.932899 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 38.921371 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 1613.0 LOG TYPE: Survey Sample Study
 SOURCE: OHIO OIL CO., 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: 05101003000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 2E SECTION: 36 QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.935261

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.915847

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 566.0 LOGGED (FT.): 1625.0

LOG TYPE:

SOURCE: DORAN PAUL, KISTLER I 3

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
182.0	BOND	CARTHAGE	LIMESTONE	-	384.0	
-84.0	CARBONDALE	HERRIN	COAL	-	650.0	COAL ERODED OR ABSENT

MAPID: 05101494000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NW

QUADRANGLE: LOOGOOTEE LONGITUDE: -88.821378

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.992341

DATE COLLECTED:

SURFACE ELEVATION (FT.): 615.0 LOGGED (FT.): 843.0

LOG TYPE: Electric Log

SOURCE: NATION CHAS S

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	BOND	CARTHAGE	LIMESTONE	-	585.0	
-225.0	CARBONDALE	SPRINGFIELD	COAL	3.0	840.0	

MAPID: 05101495000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 3 QUARTERS/FOOTAGES: 330' N line, 930' W line of SE

QUADRANGLE: LOOGOOTEE LONGITUDE: -88.84954

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.990516

DATE COLLECTED:

SURFACE ELEVATION (FT.): 615.0 LOGGED (FT.): 800.0

LOG TYPE: Electric Log

SOURCE: SHAKESPEARE OIL CO.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
199.0	BOND	CARTHAGE	LIMESTONE	-	416.0	
-183.0	CARBONDALE	SPRINGFIELD	COAL	2.0	798.0	

MAPID: 05101496000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 4 QUARTERS/FOOTAGES: 990' S line, 990' W line of NW SW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.876854 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.990473 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 606.0 LOGGED (FT.): 749.0 LOG TYPE: Electric Log
 SOURCE: HOSS, L. B. TRUST WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
52.0	BOND	CARTHAGE	LIMESTONE	-	554.0	
-140.0	CARBONDALE	SPRINGFIELD	COAL	3.0	746.0	

MAPID: 05100719000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 5 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.897618 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.997713 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 609.0 LOGGED (FT.): 686.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
207.0	BOND	CARTHAGE	LIMESTONE	-	402.0	
-77.0	CARBONDALE	SPRINGFIELD	COAL	-	686.0	

MAPID: 05100719000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 5 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.897618 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.997713 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 610.1 LOGGED (FT.): 1620.0 LOG TYPE:
 SOURCE: TEXAS CO, ELDRIDGE G 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
256.1	BOND	CARTHAGE	LIMESTONE	-	354.0	
-39.9	CARBONDALE	HERRIN	COAL	-	650.0	COAL ERODED OR ABSENT

MAPID: 05100722000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 6 QUARTERS/FOOTAGES: NE SW SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.915484

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.986943

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 597.0 LOGGED (FT.): 1568.0

LOG TYPE:

SOURCE: SHULMN BRO, COMBS E M 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
192.0	BOND	CARTHAGE	LIMESTONE	-	405.0	
-58.0	CARBONDALE	HERRIN	COAL	-	655.0	COAL ERODED OR ABSENT

MAPID: 05100724000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 6 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.915444

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.99054

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 593.0 LOGGED (FT.): 1551.0

LOG TYPE:

SOURCE: SHULMN BRO, COMBS E M 4

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
181.0	BOND	CARTHAGE	LIMESTONE	-	412.0	
-59.0	CARBONDALE	HERRIN	COAL	-	652.0	COAL ERODED OR ABSENT

MAPID: 05100732000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 7 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.910497

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.975831

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 597.0 LOGGED (FT.): 1635.0

LOG TYPE:

SOURCE: TEXAS CO, SELL G 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.0	BOND	CARTHAGE	LIMESTONE	-	392.0	
-65.0	CARBONDALE	HERRIN	COAL	-	662.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 05101497000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 7 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NE
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.900152 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.979574 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 596.0 LOGGED (FT.): 695.0 LOG TYPE: Electric Log
 SOURCE: EDWARDS, RALPH H. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
186.0	BOND	CARTHAGE	LIMESTONE	-	410.0
-96.0	CARBONDALE	SPRINGFIELD	COAL	3.0	692.0

MAPID: 05100733000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 8 QUARTERS/FOOTAGES: SE NE SW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.890954 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.974011 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 591.0 LOGGED (FT.): 690.0 LOG TYPE: Electric Log
 SOURCE: MYLIUS ETAL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
171.0	BOND	CARTHAGE	LIMESTONE	-	420.0
-99.0	CARBONDALE	SPRINGFIELD	COAL	-	690.0

MAPID: 05100734000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SW
 QUADRANGLE: LOOGOOTEE LONGITUDE: -88.819243 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.957863 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 829.0 LOG TYPE: Electric Log
 SOURCE: NATION OIL CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
83.0	BOND	CARTHAGE	LIMESTONE	-	527.0
-215.0	CARBONDALE	SPRINGFIELD	COAL	4.0	825.0

MAPID: 05101010000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: LOOGOOTE **LONGITUDE:** -88.828552 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.956134 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 614.0 **LOGGED (FT.):** 898.0 **LOG TYPE:** Electric Log
SOURCE: NATION OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
114.0	BOND	CARTHAGE	LIMESTONE	-	500.0	
-281.0	CARBONDALE	SPRINGFIELD	COAL	3.0	895.0	

MAPID: 05101010000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: LOOGOOTE **LONGITUDE:** -88.828552 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.956134 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 614.0 **LOGGED (FT.):** 2223.0 **LOG TYPE:**
SOURCE: NATION OIL CO., SMITH E 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	BOND	CARTHAGE	LIMESTONE	-	504.0	
-173.0	CARBONDALE	HERRIN	COAL	-	787.0	COAL ERODED OR ABSENT

MAPID: 05101009000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: LOOGOOTE **LONGITUDE:** -88.860773 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.961367 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 763.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
129.0	BOND	CARTHAGE	LIMESTONE	-	475.0	
-156.0	CARBONDALE	SPRINGFIELD	COAL	3.0	760.0	

MAPID: 05101009000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 15 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: LOOGOOTEE LONGITUDE: -88.860773

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.961367

DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 604.0 LOGGED (FT.): 2176.0

LOG TYPE:

SOURCE: NAT ASSOC, SMITH E

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
140.0	BOND	CARTHAGE	LIMESTONE	-	464.0	
-128.0	CARBONDALE	HERRIN	COAL	-	732.0	COAL ERODED OR ABSENT

MAPID: 05100735000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 17 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.891082

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.964923

DATE COLLECTED:

SURFACE ELEVATION (FT.): 584.0 LOGGED (FT.): 695.0

LOG TYPE: Electric Log

SOURCE: CENTRAL STATES OIL

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
178.0	BOND	CARTHAGE	LIMESTONE	-	406.0	
-111.0	CARBONDALE	SPRINGFIELD	COAL	-	695.0	

MAPID: 05100735000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 17 QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.891082

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.964923

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 584.0 LOGGED (FT.): 2017.0

LOG TYPE:

SOURCE: CEN STATES, SPERRY 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
169.0	BOND	CARTHAGE	LIMESTONE	-	415.0	
-81.0	CARBONDALE	HERRIN	COAL	-	665.0	COAL ERODED OR ABSENT

MAPID: 05101498000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 18 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.913483 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.956052 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 681.0 LOG TYPE: Electric Log
 SOURCE: KIDD, BARRON, ETAL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
169.0	BOND	CARTHAGE	LIMESTONE	-	418.0	
-91.0	CARBONDALE	SPRINGFIELD	COAL	3.0	678.0	

MAPID: 05100335000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 19 QUARTERS/FOOTAGES: NE NE SW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.910874 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.947044 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 576.0 LOGGED (FT.): 1634.0 LOG TYPE:
 SOURCE: TEXAS CO, MAXWELL E 4 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
169.0	BOND	CARTHAGE	LIMESTONE	-	407.0	
-76.0	CARBONDALE	HERRIN	COAL	-	652.0	COAL ERODED OR ABSENT

MAPID: 05101814000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.908426 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.948837 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 546.0 LOGGED (FT.): 638.0 LOG TYPE: Electric Log
 SOURCE: BELDEN BROTHERS DRILLING WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
166.0	BOND	CARTHAGE	LIMESTONE	-	380.0	
-89.0	CARBONDALE	SPRINGFIELD	COAL	3.0	635.0	

MAPID: 05100336000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.881849 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.950604 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 589.0 **LOGGED (FT.):** 723.0 **LOG TYPE:** Electric Log
SOURCE: WHISENANT & TRENCHARD **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
139.0	BOND	CARTHAGE	LIMESTONE	-	450.0	
-131.0	CARBONDALE	SPRINGFIELD	COAL	3.0	720.0	

MAPID: 05100336000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.881849 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.950604 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 589.3 **LOGGED (FT.):** 1810.0 **LOG TYPE:**
SOURCE: WHSNT&TRD, REXWINKLE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
187.3	BOND	CARTHAGE	LIMESTONE	-	402.0	
-95.7	CARBONDALE	HERRIN	COAL	-	685.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 05100606000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.854018 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.941627 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 767.0 **LOG TYPE:** Electric Log
SOURCE: HEATH B M ETAL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
118.0	BOND	CARTHAGE	LIMESTONE	-	482.0	
-163.0	CARBONDALE	SPRINGFIELD	COAL	4.0	763.0	

MAPID: 05100606000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.854018 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.941627 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 2149.0 **LOG TYPE:**
SOURCE: HEATH B M, MCMILLEN J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
119.0	BOND	CARTHAGE	LIMESTONE	-	481.0	
-148.0	CARBONDALE	HERRIN	COAL	-	748.0	COAL ERODED OR ABSENT

MAPID: 05100944000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.84008 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.945278 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 606.0 **LOGGED (FT.):** 767.0 **LOG TYPE:** Electric Log
SOURCE: HUDSON J H **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
110.0	BOND	CARTHAGE	LIMESTONE	-	496.0	
-157.0	CARBONDALE	SPRINGFIELD	COAL	4.0	763.0	

MAPID: 05100944000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: LOOGOOTEE **LONGITUDE:** -88.84008 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.945278 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 606.0 **LOGGED (FT.):** 2210.0 **LOG TYPE:**
SOURCE: HUDSON J H, FELLER L S 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
120.0	BOND	CARTHAGE	LIMESTONE	-	486.0	
-162.0	CARBONDALE	HERRIN	COAL	-	768.0	COAL ERODED OR ABSENT

MAPID: 05100337000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 24 QUARTERS/FOOTAGES: SW NW NW
 QUADRANGLE: LOOGOOTEE LONGITUDE: -88.823915 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.952498 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 609.0 LOGGED (FT.): 809.0 LOG TYPE: Electric Log
 SOURCE: NATION OIL CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
103.0	BOND	CARTHAGE	LIMESTONE	-	506.0	
-197.0	CARBONDALE	SPRINGFIELD	COAL	3.0	806.0	

MAPID: 05100337000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 24 QUARTERS/FOOTAGES: SW NW NW
 QUADRANGLE: LOOGOOTEE LONGITUDE: -88.823915 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.952498 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 606.0 LOGGED (FT.): 2213.0 LOG TYPE:
 SOURCE: LEE C DRC, STINE J 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
109.0	BOND	CARTHAGE	LIMESTONE	-	497.0	
-174.0	CARBONDALE	HERRIN	COAL	-	780.0	COAL ERODED OR ABSENT

MAPID: 05100984000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 26 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: LOOGOOTEE LONGITUDE: -88.825988 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.927125 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 818.0 LOG TYPE: Electric Log
 SOURCE: HEATH & HALBERT WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-229.0	CARBONDALE	SPRINGFIELD	COAL	4.0	814.0	

MAPID: 05100984000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 26 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: LOOGOOTEE LONGITUDE: -88.825988

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.927125

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 2230.0

LOG TYPE:

SOURCE: HLBRTHEATH, GLUSENKAMP 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
99.0	BOND	CARTHAGE	LIMESTONE	-	486.0	
-209.0	CARBONDALE	HERRIN	COAL	-	794.0	COAL ERODED OR ABSENT

MAPID: 05101499000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.875168

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.93238

DATE COLLECTED:

SURFACE ELEVATION (FT.): 584.0 LOGGED (FT.): 738.0

LOG TYPE: Electric Log

SOURCE: SLEMAKER R W

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
120.0	BOND	CARTHAGE	LIMESTONE	-	464.0	
-152.0	CARBONDALE	SPRINGFIELD	COAL	2.0	736.0	

MAPID: 05101500000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SW

QUADRANGLE: BROWNSTOWN LONGITUDE: -88.896159

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.928781

DATE COLLECTED:

SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 695.0

LOG TYPE: Electric Log

SOURCE: SPENCER E E DRLG CO

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
171.0	BOND	CARTHAGE	LIMESTONE	-	412.0	
-108.0	CARBONDALE	SPRINGFIELD	COAL	4.0	691.0	

MAPID: 05100340000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.913683 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.927107 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 564.0 **LOGGED (FT.):** 1607.0 **LOG TYPE:**
SOURCE: OHIO OIL, SCHRME TAL 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
199.0	BOND	CARTHAGE	LIMESTONE	-	365.0	
-66.0	CARBONDALE	HERRIN	COAL	-	630.0	COAL ERODED OR ABSENT

MAPID: 05100343000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.910916 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.939855 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 591.0 **LOGGED (FT.):** 1646.0 **LOG TYPE:**
SOURCE: TEXAS CO, SWARM N 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.0	BOND	CARTHAGE	LIMESTONE	-	418.0	
-74.0	CARBONDALE	HERRIN	COAL	-	665.0	CORRELATION UNCERTAIN

MAPID: 05100378000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.905992 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.928848 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 1570.0 **LOG TYPE:**
SOURCE: TEXAS CO, B & S COMM 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
199.0	BOND	CARTHAGE	LIMESTONE	-	338.0	
-83.0	CARBONDALE	HERRIN	COAL	-	620.0	COAL ERODED OR ABSENT

MAPID: 05101011000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.913548 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.934391 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 575.0 **LOGGED (FT.):** 1028.0 **LOG TYPE:**
SOURCE: RSNTHL&CRT, WASHBURN 12 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
183.0	BOND	CARTHAGE	LIMESTONE	-	392.0	
-72.0	CARBONDALE	HERRIN	COAL	-	647.0	COAL ERODED OR ABSENT

MAPID: 05101580000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** 1650' S line, 990' E line
QUADRANGLE: VANDALIA **LONGITUDE:** -88.900673 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.93249 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 565.0 **LOGGED (FT.):** 680.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.0	CARBONDALE	DANVILLE	COAL	1.0	645.0	
-81.0	CARBONDALE		SHALE	15.0	646.0	
-96.0	CARBONDALE		SHALE	4.0	661.0	
-100.0	CARBONDALE	LAWSON	SHALE	6.0	665.0	
-106.0	CARBONDALE	BRERETON	LIMESTONE	4.0	671.0	
-110.0	CARBONDALE	ANNA	SHALE	3.0	675.0	
-113.0	CARBONDALE	HERRIN	COAL	2.0	678.0	

MAPID: 05101730000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** 385' N line, 1050' E line of SW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.913476 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.932417 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 570.0 **LOGGED (FT.):** 657.0 **LOG TYPE:** Electric Log
SOURCE: TEXACO, INC. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
200.0	BOND	CARTHAGE	LIMESTONE	-	370.0	
-85.0	CARBONDALE	SPRINGFIELD	COAL	2.0	655.0	

MAPID: 05100742000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SW NW SW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.918924 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.916313 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 1610.0 **LOG TYPE:**
SOURCE: OHIO OIL, SCHRM S&A 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
174.0	BOND	CARTHAGE	LIMESTONE	-	413.0	
-67.0	CARBONDALE	HERRIN	COAL	-	654.0	COAL ERODED OR ABSENT

MAPID: 05100744000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.918884 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.919933 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 1620.0 **LOG TYPE:**
SOURCE: OHIO OIL, SCHRM S&A 13 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
182.0	BOND	CARTHAGE	LIMESTONE	-	405.0	
-57.0	CARBONDALE	HERRIN	COAL	-	644.0	COAL ERODED OR ABSENT

MAPID: 05101437000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 6N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** 369' N line, 526' E line of NW SW
QUADRANGLE: BROWNSTOWN **LONGITUDE:** -88.916935 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.917996 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 591.0 **LOGGED (FT.):** 678.0 **LOG TYPE:** Electric Log
SOURCE: TEXACO, INC. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
184.0	BOND	CARTHAGE	LIMESTONE	-	407.0	
-83.0	CARBONDALE	SPRINGFIELD	COAL	4.0	674.0	

MAPID: 05101745000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 31 QUARTERS/FOOTAGES: 380' N line, 925' E line of NE SW
 QUADRANGLE: BROWNSTOWN LONGITUDE: -88.913239 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.917944 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 593.0 LOGGED (FT.): 680.0 LOG TYPE: Electric Log
 SOURCE: TEXACO, INC. WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-57.0	CARBONDALE	HERRIN	COAL	2.0	650.0
-83.0	CARBONDALE	SPRINGFIELD	COAL	4.0	676.0

MAPID: 05101501000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 6N 3E SECTION: 33 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE
 QUADRANGLE: LOOGOOTEE LONGITUDE: -88.863687 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.914313 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 598.0 LOGGED (FT.): 764.0 LOG TYPE: Electric Log
 SOURCE: JAX OIL CORP WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
136.0	BOND	CARTHAGE	LIMESTONE	-	462.0
-162.0	CARBONDALE	SPRINGFIELD	COAL	4.0	760.0

MAPID: 05101719000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 1E SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE NE
 QUADRANGLE: VERA LONGITUDE: -89.047609 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.064193 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 666.0 LOG TYPE: Electric Log
 SOURCE: BOTTS, ELTON M. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-176.0	CARBONDALE	SPRINGFIELD	COAL	2.0	664.0

MAPID: 05100745000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 1E **SECTION:** 31 **QUARTERS/FOOTAGES:** 1650' S line, 990' E line
QUADRANGLE: VERA **LONGITUDE:** -89.125069 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.003483 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 1817.0 **LOG TYPE:**
SOURCE: GULF REF, CAPPS MAY 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
266.0	BOND	CARTHAGE	LIMESTONE	-	333.0
-57.0	CARBONDALE	HERRIN	COAL	-	656.0

MAPID: 05100745000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 7N 1E **SECTION:** 31 **QUARTERS/FOOTAGES:** 1650' S line, 990' E line
QUADRANGLE: VERA **LONGITUDE:** -89.125069 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.003483 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 661.5 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-26.0	CARBONDALE	DANVILLE	BONE COAL	1.0	625.0
-27.0	CARBONDALE		SHALE	10.0	626.0
-37.0	CARBONDALE		SHALE	5.0	636.0
-42.0	CARBONDALE	LAWSON	SHALE	10.0	641.0
-52.0	CARBONDALE	ANNA	SHALE	5.0	651.0
-57.0	CARBONDALE	HERRIN	COAL	5.5	656.0

MAPID: 05100745000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 1E **SECTION:** 31 **QUARTERS/FOOTAGES:** 1650' S line, 990' E line
QUADRANGLE: VERA **LONGITUDE:** -89.125069 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.003483 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 695.0 **LOG TYPE:** Electric Log
SOURCE: GULF REFINING CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
265.0	BOND	CARTHAGE	LIMESTONE	-	334.0
-57.0	CARBONDALE	HERRIN	COAL	5.0	656.0
-93.0	CARBONDALE	SPRINGFIELD	COAL	3.0	692.0

MAPID: 05101595000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 7N 1E **SECTION:** 32 **QUARTERS/FOOTAGES:** SW NE SW NE
QUADRANGLE: VERA **LONGITUDE:** -89.109337 **GEOLOGIST:** PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.008281 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 22.0 **LOG TYPE:** Company map
SOURCE: CENTRAL INDIANA COAL CO. 1 **WELL TYPE:** Coal Test
COMMENT: SEE COAL SECTION MAP 6-97

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			COAL	4.8	17.0	SEE COAL SECTION MAP #6-97

MAPID: 05101596000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 7N 1E **SECTION:** 32 **QUARTERS/FOOTAGES:** NW SE NE NW
QUADRANGLE: VERA **LONGITUDE:** -89.113953 **GEOLOGIST:** PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.011071 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 39.0 **LOG TYPE:** Company map
SOURCE: CENTRAL INDIANA COAL CO. 2 **WELL TYPE:** Coal Test
COMMENT: SEE COAL SECTION MAP 6-97

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			COAL	4.0	35.0	SEE COAL SECTION MAP #6-97

MAPID: 05101597000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 7N 1E **SECTION:** 32 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: VANDALIA **LONGITUDE:** -89.108762 **GEOLOGIST:** PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 38.999572 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 16.0 **LOG TYPE:** Company map
SOURCE: CENTRAL INDIANA COAL CO. 3 **WELL TYPE:** Coal Test
COMMENT: SEE COAL SECTION MAP 6-97

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			COAL	4.0	12.0	SEE COAL SECTION MAP #6-97

MAPID: 05127397000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 5 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: BINGHAM **LONGITUDE:** -89.22405 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.076197 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 613.2 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-400 **WELL TYPE:** Coal Test
COMMENT: LOCN, DATA FROM PANA-BROWN A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.2	607.0	

MAPID: 05100015000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 12 **QUARTERS/FOOTAGES:** NE
QUADRANGLE: BINGHAM **LONGITUDE:** -89.143327 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.068341 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 580.0 **LOGGED (FT.):** 662.0 **LOG TYPE:**
SOURCE: BRENNAN W 3, **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-71.0	CARBONDALE	HERRIN	COAL	6.8	651.0	

MAPID: 05100016000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 12 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: BINGHAM **LONGITUDE:** -89.153777 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.061869 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 567.0 **LOGGED (FT.):** 652.7 **LOG TYPE:** Drillers Log
SOURCE: NO COMPANY **WELL TYPE:** Unsuccessful or Unknown Results
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
249.0	BOND	CARTHAGE	LIMESTONE	-	318.0	
-43.0	CARBONDALE	DANVILLE	COAL	4.0	610.0	
-79.0	CARBONDALE	HERRIN	COAL	6.7	646.0	

MAPID: 05100016000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 12 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: BINGHAM **LONGITUDE:** -89.153777 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.061869 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 566.6 **LOGGED (FT.):** 655.0 **LOG TYPE:**
SOURCE: HOFFMAN **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
248.6	BOND	CARTHAGE	LIMESTONE	-	318.0	
-79.4	CARBONDALE	HERRIN	COAL	6.8	646.0	

MAPID: 05100996000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 14 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: BINGHAM **LONGITUDE:** -89.167661 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.049058 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 580.0 **LOGGED (FT.):** 1505.0 **LOG TYPE:**
SOURCE: PFUNDER F, MEYERS EST 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
270.0	BOND	CARTHAGE	LIMESTONE	-	310.0
-60.0	CARBONDALE	HERRIN	COAL	-	640.0

MAPID: 05124816000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW
QUADRANGLE: BINGHAM **LONGITUDE:** -89.174636 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.049067 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 591.0 **LOGGED (FT.):** 676.5 **LOG TYPE:** Electric Log
SOURCE: MOBIL OIL CO. **WELL TYPE:** Structure Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
283.0	BOND	CARTHAGE	LIMESTONE	-	308.0
-49.0	CARBONDALE	HERRIN	COAL	4.0	640.0
-81.0	CARBONDALE	SPRINGFIELD	COAL	4.5	672.0

MAPID: 05100018000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 20 **QUARTERS/FOOTAGES:** NW NE
QUADRANGLE: BINGHAM **LONGITUDE:** -89.220254 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.040812 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 582.5 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
308.0	BOND	CARTHAGE	LIMESTONE	-	232.0
-36.0	CARBONDALE	HERRIN	COAL	6.5	576.0

MAPID: 05100018000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 20 **QUARTERS/FOOTAGES:** NW NE
QUADRANGLE: BINGHAM **LONGITUDE:** -89.220254 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.040812 **DATE COLLECTED:** 0 / 0 / 1900
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 584.0 **LOG TYPE:**
SOURCE: PEABODY CC, **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
308.0	BOND	CARTHAGE	LIMESTONE	-	232.0
-36.0	CARBONDALE	HERRIN	COAL	6.5	576.0

MAPID: 05101258000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 20 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW SE
QUADRANGLE: BINGHAM **LONGITUDE:** -89.221365 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.032715 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 585.0 **LOGGED (FT.):** 601.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Structure Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
352.0	BOND	CARTHAGE	LIMESTONE	-	233.0
19.0	CARBONDALE	HERRIN	COAL	5.0	566.0
-12.0	CARBONDALE	SPRINGFIELD	COAL	4.0	597.0

MAPID: 05101302000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NE
QUADRANGLE: BINGHAM **LONGITUDE:** -89.159386 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.026278 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 560.0 **LOGGED (FT.):** 613.0 **LOG TYPE:** Electric Log
SOURCE: MOHAWK DRILLING CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
314.0	BOND	CARTHAGE	LIMESTONE	-	246.0
-16.0	CARBONDALE	HERRIN	COAL	5.0	576.0
-50.0	CARBONDALE	SPRINGFIELD	COAL	3.0	610.0

MAPID: 05124817000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 1W **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' S line, 990' E line of SE
QUADRANGLE: HAGARSTOWN **LONGITUDE:** -89.198043 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.000059 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 565.0 **LOGGED (FT.):** 586.0 **LOG TYPE:** Electric Log
SOURCE: MOBIL OIL CO. **WELL TYPE:** Structure Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
352.0	BOND	CARTHAGE	LIMESTONE	-	213.0	
19.0	CARBONDALE	HERRIN	COAL	5.0	546.0	
-17.0	CARBONDALE	SPRINGFIELD	COAL	4.0	582.0	

MAPID: 05100043000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 1 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.921591 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.085208 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 1760.0 **LOG TYPE:**
SOURCE: HUDSON ETL, HARNER 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
190.0	BOND	CARTHAGE	LIMESTONE	-	410.0	
-66.0	CARBONDALE	HERRIN	COAL	-	666.0	CORRELATION UNCERTAIN

MAPID: 05101417000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' S line, 990' E line of NE
QUADRANGLE: AVENA **LONGITUDE:** -88.92165 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.079723 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 622.0 **LOG TYPE:** Electric Log
SOURCE: GENERAL AMERICAN OIL CO. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-90.0	CARBONDALE	SPRINGFIELD	COAL	2.0	620.0	

MAPID: 05100102000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 12 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: AVENA **LONGITUDE:** -88.924192 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.065048 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 584.2 **LOGGED (FT.):** 1577.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, WILLIAMS H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-71.8	CARBONDALE	HERRIN	COAL	-	656.0	CORRELATION UNCERTAIN

MAPID: 05101371000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.921821 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.066925 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 595.0 **LOGGED (FT.):** 677.0 **LOG TYPE:** Electric Log
SOURCE: KINGWOOD OIL CO **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-79.0	CARBONDALE	SPRINGFIELD	COAL	3.0	674.0	

MAPID: 05100042000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: AVENA **LONGITUDE:** -88.919807 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.043336 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 563.0 **LOGGED (FT.):** 1542.0 **LOG TYPE:**
SOURCE: BLALACK J, LOGUE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
168.0	BOND	CARTHAGE	LIMESTONE	-	395.0	
-82.0	CARBONDALE	HERRIN	COAL	-	645.0	CORRELATION UNCERTAIN

MAPID: 05101714000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.921989 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.054138 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 586.0 **LOGGED (FT.):** 659.0 **LOG TYPE:** Electric Log
SOURCE: KINGWOOD OIL CO **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-71.0	CARBONDALE	SPRINGFIELD	COAL	2.0	657.0	

MAPID: 05104510000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SE
QUADRANGLE: AVENA **LONGITUDE:** -88.919807 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.043344 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 573.0 **LOGGED (FT.):** 655.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-79.0	CARBONDALE	SPRINGFIELD	COAL	3.0	652.0	

MAPID: 05100764000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: VERA **LONGITUDE:** -89.022089 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.047602 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 496.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: PAPOOSE OIL CO **WELL TYPE:** Producer-Oil
COMMENT:

MAPID: 05100765000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 24 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.922177 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.041481 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 563.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: SHARP & DIVER **WELL TYPE:** Dry Hole
COMMENT:

MAPID: 05100765000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 24 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.922177 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.041481 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 563.4 **LOGGED (FT.):** 1942.0 **LOG TYPE:**
SOURCE: SHARP&DIVR, SEALOCK J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
151.4	BOND	CARTHAGE	LIMESTONE	-	412.0	
-96.6	CARBONDALE	HERRIN	COAL	-	660.0	CORRELATION UNCERTAIN

MAPID: 05101012000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 26 **QUARTERS/FOOTAGES:** 2310' N line, 330' E line
QUADRANGLE: AVENA **LONGITUDE:** -88.938812 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.021227 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 577.0 **LOGGED (FT.):** 1818.0 **LOG TYPE:**
SOURCE: RICHRDSN M, ZINN FRED 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
83.0	BOND	CARTHAGE	LIMESTONE	-	494.0	
-229.0	CARBONDALE	HERRIN	COAL	-	806.0	

MAPID: 05101012000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 26 **QUARTERS/FOOTAGES:** 2310' N line, 330' E line
QUADRANGLE: AVENA **LONGITUDE:** -88.938812 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.021227 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 577.0 **LOGGED (FT.):** 813.5 **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	
-195.5	CARBONDALE	DANVILLE	COAL	3.5	772.5	
-199.0	CARBONDALE		SHALE	8.5	776.0	
-207.5	CARBONDALE		DARK GRAY SHALE	4.0	784.5	
-211.5	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	788.5	LOWER BENCH
-215.5	CARBONDALE	LAWSON	SHALE	4.0	792.5	
-219.5	CARBONDALE	BRERETON	LIMESTONE	6.0	796.5	
-225.5	CARBONDALE	ANNA	SHALE	3.5	802.5	
-229.0	CARBONDALE	HERRIN	COAL	7.5	806.0	

MAPID: 05101012000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 2E SECTION: 26 QUARTERS/FOOTAGES: 2310' N line, 330' E line

QUADRANGLE: AVENA LONGITUDE: -88.938812 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.021227 DATE COLLECTED:

SURFACE ELEVATION (FT.): 577.0 LOGGED (FT.): 864.0 LOG TYPE: Electric Log

SOURCE: RICHARDSON, M. H. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
81.0	BOND	CARTHAGE	LIMESTONE	-	496.0
-233.0	CARBONDALE	HERRIN	COAL	3.0	810.0
-283.0	CARBONDALE	SPRINGFIELD	COAL	4.0	860.0

MAPID: 05101617000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 2E SECTION: 30 QUARTERS/FOOTAGES: 990' N line, 1650' E line

QUADRANGLE: VERA LONGITUDE: -89.017505 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.023982 DATE COLLECTED:

SURFACE ELEVATION (FT.): 534.0 LOGGED (FT.): 802.0 LOG TYPE: Electric Log

SOURCE: ESTATE OF N.A. BALDRIDGE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-233.0	CARBONDALE	HERRIN	COAL	3.0	767.0
-266.0	CARBONDALE	SPRINGFIELD	COAL	2.0	800.0

MAPID: 05101617000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 7N 2E SECTION: 30 QUARTERS/FOOTAGES: 990' N line, 1650' E line

QUADRANGLE: VERA LONGITUDE: -89.017505 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.023982 DATE COLLECTED:

SURFACE ELEVATION (FT.): 534.0 LOGGED (FT.): 761.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-188.5	CARBONDALE	DANVILLE	COAL	3.5	722.5
-192.0	CARBONDALE		SHALE	10.0	726.0
-202.0	CARBONDALE		SHALE	5.0	736.0
-207.0	CARBONDALE	LAWSON	SHALE	6.0	741.0
-213.0	CARBONDALE	BRERETON	LIMESTONE	4.0	747.0
-217.0	CARBONDALE	ANNA	SHALE	3.0	751.0
-220.0	CARBONDALE	HERRIN	COAL	7.0	754.0

MAPID: 05124852000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 2E **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' N line, 340' W line of SW NE
QUADRANGLE: VERA **LONGITUDE:** -89.020005 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.007575 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 760.5 **LOG TYPE:** Electric Log
SOURCE: ENERGY RESOURCES OF IN, **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	CARBONDALE	DANVILLE	COAL	3.0	677.0	
-180.0	CARBONDALE	HERRIN	COAL	6.0	717.0	
-220.0	CARBONDALE	SPRINGFIELD	COAL	3.5	757.0	

MAPID: 05101139000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.813979 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.072516 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 616.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: KAUFMAN, E.H. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-90.0	CARBONDALE	SPRINGFIELD	COAL	1.0	706.0	

MAPID: 05102312000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 2 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.834942 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.079721 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 618.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: HILL ROLAND ETAL **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
193.0	BOND	CARTHAGE	LIMESTONE	-	425.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05100769000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 3 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.860472 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.083298 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 1630.0 **LOG TYPE:**
SOURCE: CARTER OC, DURBIN F 8 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.0	BOND	CARTHAGE	LIMESTONE	-	395.0	

MAPID: 05100770000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.844182 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.083299 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 602.0 **LOGGED (FT.):** 1697.0 **LOG TYPE:**
SOURCE: REDWINE N, RHODES 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
165.0	BOND	CARTHAGE	LIMESTONE	-	437.0	
-50.0	CARBONDALE	HERRIN	COAL	-	652.0	

MAPID: 05102336000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.853508 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.077849 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 609.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: HOSS, L. B. TRUST **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
185.0	BOND	CARTHAGE	LIMESTONE	-	424.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05100448000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.876501 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.072381 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 597.0 **LOGGED (FT.):** 1582.0 **LOG TYPE:**
SOURCE: CARTER OC, DURBIN H 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
254.0	BOND	CARTHAGE	LIMESTONE	-	343.0	

MAPID: 05100450000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 4 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.878769 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.077843 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 590.0 **LOGGED (FT.):** 1587.0 **LOG TYPE:**
SOURCE: CARTER OC, DURBIN H 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
223.0	BOND	CARTHAGE	LIMESTONE	-	367.0	
-8.0	CARBONDALE	HERRIN	COAL	-	598.0	CORRELATION UNCERTAIN

MAPID: 05100470000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 4 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.876456 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.085138 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 1585.0 **LOG TYPE:**
SOURCE: CARTER OC, MC CLAIN M 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
222.0	BOND	CARTHAGE	LIMESTONE	-	377.0	
-10.0	CARBONDALE	HERRIN	COAL	-	609.0	

MAPID: 05100482000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 4 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.869602 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.081504 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 594.0 **LOGGED (FT.):** 1579.0 **LOG TYPE:**
SOURCE: CARTER OC, ASHBURN G 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
203.0	BOND	CARTHAGE	LIMESTONE	-	391.0	

MAPID: 05100488000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 4 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.869591 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.085145 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 596.0 **LOGGED (FT.):** 1576.0 **LOG TYPE:**
SOURCE: CARTER OC, DURBIN F 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
206.0	BOND	CARTHAGE	LIMESTONE	-	390.0	
-21.0	CARBONDALE	HERRIN	COAL	-	617.0	

MAPID: 05101504000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 4 **QUARTERS/FOOTAGES:** 74' S line, 212' W line of NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.870004 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.078975 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 605.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Service Well
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.0	BOND	CARTHAGE	LIMESTONE	-	400.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05100118000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 5 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.881051 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.085132 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 1630.0 **LOG TYPE:**
SOURCE: CARTER OC, MC CLAIN A 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
231.0	BOND	CARTHAGE	LIMESTONE	-	373.0	
-4.0	CARBONDALE	HERRIN	COAL	-	608.0	

MAPID: 05100319000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 5 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.89737 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.079658 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 591.0 **LOGGED (FT.):** 1572.0 **LOG TYPE:**
SOURCE: CARTER OC, CLOW 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
241.0	BOND	CARTHAGE	LIMESTONE	-	350.0	
-30.0	CARBONDALE	HERRIN	COAL	-	621.0	

MAPID: 05100320000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 5 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.888095 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.074198 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 1587.0 **LOG TYPE:**
SOURCE: CARTER OC, DURBIN H 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
241.0	BOND	CARTHAGE	LIMESTONE	-	360.0	
6.0	CARBONDALE	HERRIN	COAL	-	595.0	CORRELATION UNCERTAIN

MAPID: 05100995000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 5 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.890358 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.083301 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 573.0 **LOGGED (FT.):** 3200.0 **LOG TYPE:**
SOURCE: MAGNOLIA, CLOW T C 41 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
233.0	BOND	CARTHAGE	LIMESTONE	-	340.0
-3.0	CARBONDALE	HERRIN	COAL	-	576.0

MAPID: 05101394000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 5 **QUARTERS/FOOTAGES:** 280' S line, 280' W line of NW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.888257 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.075881 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0	COAL MISSING

MAPID: 05100352000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** 186' S line, 479' W line of NW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.916484 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.07563 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 571.0 **LOG TYPE:** Electric Log
SOURCE: MABEE, J. E. CO. **WELL TYPE:** Observation Well
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	CARBONDALE	SPRINGFIELD	COAL	3.0	568.0

MAPID: 05100494000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.914433 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.083394 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 592.0 **LOGGED (FT.):** 1561.0 **LOG TYPE:**
SOURCE: CARTER OC, BAKER C 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
207.0	BOND	CARTHAGE	LIMESTONE	-	385.0	
-30.0	CARBONDALE	HERRIN	COAL	-	622.0	

MAPID: 05100496000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.909565 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.079698 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 1515.0 **LOG TYPE:**
SOURCE: CARTER OC, DEAL LAVNE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
231.0	BOND	CARTHAGE	LIMESTONE	-	298.0	
-46.0	CARBONDALE	HERRIN	COAL	-	575.0	CORRELATION UNCERTAIN

MAPID: 05100507000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE
QUADRANGLE: AVENA **LONGITUDE:** -88.907171 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.079683 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05100511000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: AVENA **LONGITUDE:** -88.902269 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.0742 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 581.0 **LOGGED (FT.):** 1566.0 **LOG TYPE:**
SOURCE: CARTER OC, HOPPER N 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
226.0	BOND	CARTHAGE	LIMESTONE	-	355.0	
-13.0	CARBONDALE	HERRIN	COAL	-	594.0	

MAPID: 05100520000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.914501 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.076035 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 1480.0 **LOG TYPE:**
SOURCE: CARTER OC, KISTLER M 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
223.0	BOND	CARTHAGE	LIMESTONE	-	303.0	
-24.0	CARBONDALE	HERRIN	COAL	-	550.0	

MAPID: 05100538000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 6 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.902156 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.08514 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 590.0 **LOGGED (FT.):** 1575.0 **LOG TYPE:**
SOURCE: CARTER OC, HOBBS I 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
240.0	BOND	CARTHAGE	LIMESTONE	-	350.0	
0.0	CARBONDALE	HERRIN	COAL	-	590.0	CORRELATION UNCERTAIN

MAPID: 05100363000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 7 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.912147 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.066893 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 597.0 **LOGGED (FT.):** 1595.0 **LOG TYPE:**
SOURCE: CARTER OC, THORNTON M 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
227.0	BOND	CARTHAGE	LIMESTONE	-	370.0	
-18.0	CARBONDALE	HERRIN	COAL	-	615.0	CORRELATION UNCERTAIN

MAPID: 05100368000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 7 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: AVENA **LONGITUDE:** -88.909782 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.057801 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 594.0 **LOGGED (FT.):** 1582.0 **LOG TYPE:**
SOURCE: CARTER OC, LEONA S 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
214.0	BOND	CARTHAGE	LIMESTONE	-	380.0	
-16.0	CARBONDALE	HERRIN	COAL	-	610.0	CORRELATION UNCERTAIN

MAPID: 05100552000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 7 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.917164 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.059608 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 1544.0 **LOG TYPE:**
SOURCE: CARTER OC, FERGUSON O 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
209.0	BOND	CARTHAGE	LIMESTONE	-	378.0	
-31.0	CARBONDALE	HERRIN	COAL	-	618.0	CORRELATION UNCERTAIN

MAPID: 05100555000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 7 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: AVENA **LONGITUDE:** -88.899885 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.06328 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 555.0 **LOGGED (FT.):** 1540.0 **LOG TYPE:**
SOURCE: CARTER OC, GOODSON O 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
235.0	BOND	CARTHAGE	LIMESTONE	-	320.0	
-20.0	CARBONDALE	HERRIN	COAL	-	575.0	CORRELATION UNCERTAIN

MAPID: 05100564000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 7 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.917008 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.07052 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 605.0 **LOGGED (FT.):** 1575.0 **LOG TYPE:**
SOURCE: CARTER OC, TOWNSEND N 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
220.0	BOND	CARTHAGE	LIMESTONE	-	385.0	
-25.0	CARBONDALE	HERRIN	COAL	-	630.0	

MAPID: 05100979000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 7 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: AVENA **LONGITUDE:** -88.90475 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.070549 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 1515.0 **LOG TYPE:**
SOURCE: CARTER OC, MILLS L 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
220.0	BOND	CARTHAGE	LIMESTONE	-	310.0	
-22.0	CARBONDALE	HERRIN	COAL	-	552.0	

MAPID: 05102423000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 7 **QUARTERS/FOOTAGES:** 383' S line, 383' W line of SE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.902206 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.065241 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05100369000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 8 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.895172 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.063289 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 1580.0 **LOG TYPE:**
SOURCE: UNION PET, ARNOLD A 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
215.0	BOND	CARTHAGE	LIMESTONE	-	372.0	
-6.0	CARBONDALE	HERRIN	COAL	-	593.0	

MAPID: 05100842000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 8 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.888264 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.057864 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 590.0 **LOGGED (FT.):** 1530.0 **LOG TYPE:**
SOURCE: CARTER OC, MILLER A 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.0	BOND	CARTHAGE	LIMESTONE	-	385.0	
-32.0	CARBONDALE	HERRIN	COAL	-	622.0	

MAPID: 05100853000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 8 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.888222 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.061492 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 567.0 **LOGGED (FT.):** 1553.0 **LOG TYPE:**
SOURCE: CARTER OC, DURBIN D 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
255.0	BOND	CARTHAGE	LIMESTONE	-	312.0
-2.0	CARBONDALE	HERRIN	COAL	-	569.0

MAPID: 05100855000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 8 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.88353 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.065125 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 538.0 **LOGGED (FT.):** 1523.0 **LOG TYPE:**
SOURCE: CARTER OC, DURBIN H 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
208.0	BOND	CARTHAGE	LIMESTONE	-	330.0
-19.0	CARBONDALE	HERRIN	COAL	-	557.0

MAPID: 05102462000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 8 **QUARTERS/FOOTAGES:** 290' S line, 450' W line of NW NE
QUADRANGLE: AVENA **LONGITUDE:** -88.887714 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.068639 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 574.0 **LOGGED (FT.):** 613.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
198.0	BOND	CARTHAGE	LIMESTONE	-	376.0
-39.0	CARBONDALE	SPRINGFIELD	COAL	-	613.0

MAPID: 05100374000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW NE SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.874332 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.063328 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 589.0 **LOGGED (FT.):** 1585.0 **LOG TYPE:**
SOURCE: STEWART OC, DURBIN C 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
224.0	BOND	CARTHAGE	LIMESTONE	-	365.0
-28.0	CARBONDALE	HERRIN	COAL	-	617.0

MAPID: 05100876000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.874229 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.070572 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 595.0 **LOGGED (FT.):** 1584.0 **LOG TYPE:**
SOURCE: CARTER OC, MORTON OLA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
249.0	BOND	CARTHAGE	LIMESTONE	-	346.0
-1.0	CARBONDALE	HERRIN	COAL	-	596.0

MAPID: 05100878000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.878984 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.059703 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 575.0 **LOGGED (FT.):** 1573.0 **LOG TYPE:**
SOURCE: CARTER OC, HOAR MARY 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
213.0	BOND	CARTHAGE	LIMESTONE	-	362.0
-42.0	CARBONDALE	HERRIN	COAL	-	617.0

MAPID: 05102495000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 9 QUARTERS/FOOTAGES: 350' N line, 990' E line of SE
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.865203 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.063279 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 591.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: SHELL OIL COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.0	BOND	CARTHAGE	LIMESTONE	-	418.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05100381000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 10 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.860477 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.070602 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 603.0 LOGGED (FT.): 952.0 LOG TYPE: Electric Log
 SOURCE: TRARES & PRAY WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
174.0	BOND	CARTHAGE	LIMESTONE	-	429.0	
-48.0	CARBONDALE	DANVILLE	COAL	3.0	651.0	
-61.0	CARBONDALE	HERRIN	COAL	1.0	664.0	
-67.0	CARBONDALE	SPRINGFIELD	COAL	2.0	670.0	
-346.0	SPOON	ROCK ISLAND	COAL	3.0	949.0	

MAPID: 05100381000C VERSION: 2

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 10 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.860477 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 39.070602 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 600.3 LOGGED (FT.): 3264.0 LOG TYPE:
 SOURCE: TRARES&PRY, SEIBERT 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
171.3	BOND	CARTHAGE	LIMESTONE	-	429.0	
-51.7	CARBONDALE	HERRIN	COAL	-	652.0	

MAPID: 05101033000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.853611 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.061517 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 611.0 **LOGGED (FT.):** 1857.0 **LOG TYPE:**
SOURCE: SLAGTR AJR, DURBIN ETL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
168.0	BOND	CARTHAGE	LIMESTONE	-	443.0
-55.0	CARBONDALE	HERRIN	COAL	-	666.0

MAPID: 05101235000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.835013 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.063353 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 578.0 **LOGGED (FT.):** 688.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-109.0	CARBONDALE	SPRINGFIELD	COAL	1.0	687.0

MAPID: 05101032000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.816427 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.043374 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 621.0 **LOGGED (FT.):** 1960.0 **LOG TYPE:**
SOURCE: BELDEN W L, KANATZER 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
101.0	BOND	CARTHAGE	LIMESTONE	-	520.0

MAPID: 05102528000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.807034 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.045204 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 617.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: BOLIN, D. H. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
98.0	BOND	CARTHAGE	LIMESTONE	-	519.0
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING

MAPID: 05101081000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 14 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.842065 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.043329 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 614.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: MORAN, E. F., INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING

MAPID: 05101576000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.849073 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.05242 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 605.0 LOGGED (FT.): 435.0 LOG TYPE: Electric Log
 SOURCE: MORRIS, RONALD E. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
170.0	BOND	CARTHAGE	LIMESTONE	-	435.0

MAPID: 05100039000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.879099 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.050608 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 1610.0 **LOG TYPE:**
SOURCE: LUTRL&HLMN, BLD HL SCH 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
211.0	BOND	CARTHAGE	LIMESTONE	-	392.0
-41.0	CARBONDALE	HERRIN	COAL	-	644.0

MAPID: 05100120000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.869988 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.048767 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 1578.0 **LOG TYPE:**
SOURCE: CARTER OC, CRUM J L 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
158.0	BOND	CARTHAGE	LIMESTONE	-	445.0
-72.0	CARBONDALE	HERRIN	COAL	-	675.0

MAPID: 05100383000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.867838 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.043278 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 606.0 **LOGGED (FT.):** 1573.0 **LOG TYPE:**
SOURCE: MINERVA OC, BAIL F 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
168.0	BOND	CARTHAGE	LIMESTONE	-	438.0
-94.0	CARBONDALE	HERRIN	COAL	-	700.0

MAPID: 05100386000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.874642 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.043301 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 552.0 **LOGGED (FT.):** 1836.0 **LOG TYPE:**
SOURCE: LYNN&WLLMS, SATHER T 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
165.0	BOND	CARTHAGE	LIMESTONE	-	387.0
-65.0	CARBONDALE	HERRIN	COAL	-	617.0

MAPID: 05100621000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.867753 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.046933 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 1710.0 **LOG TYPE:**
SOURCE: CARTER OC, WRIGHT M 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
178.0	BOND	CARTHAGE	LIMESTONE	-	425.0
-66.0	CARBONDALE	HERRIN	COAL	4.0	669.0

MAPID: 05100621000C **VERSION:** 2 **PROJECT:** CONTROL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.867753 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 39.046933 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 1710.0 **LOG TYPE:** Survey Sample Study
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Oil and Gas Test
COMMENT: OILWELLS LOGGED BY COAL SECT-LOGS IN GRU

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-			NO RECORD	0.0	0.0

MAPID: 05101031000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.865376 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.050586 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 567.0 **LOGGED (FT.):** 1813.0 **LOG TYPE:**
SOURCE: KYKNDL DRC, MIDDLESWRTH 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
151.0	BOND	CARTHAGE	LIMESTONE	-	416.0
-71.0	CARBONDALE	HERRIN	COAL	-	638.0

MAPID: 05102534000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.872263 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.050596 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 602.0 **LOGGED (FT.):** 694.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
172.0	BOND	CARTHAGE	LIMESTONE	-	430.0
-91.0	CARBONDALE	SPRINGFIELD	COAL	1.0	693.0

MAPID: 05100388000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 17 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.888413 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.043308 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 1544.0 **LOG TYPE:**
SOURCE: VANDNBRK J, GRIFFITH 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
218.0	BOND	CARTHAGE	LIMESTONE	-	383.0
-34.0	CARBONDALE	HERRIN	COAL	-	635.0

MAPID: 05100391000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 17 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.897614 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.048745 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 595.0 **LOGGED (FT.):** 1585.0 **LOG TYPE:**
SOURCE: CARTER OC, HARPER OLA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
202.0	BOND	CARTHAGE	LIMESTONE	-	393.0
-22.0	CARBONDALE	HERRIN	COAL	-	617.0

MAPID: 05100905000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 17 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.890633 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.052399 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 590.0 **LOGGED (FT.):** 1575.0 **LOG TYPE:**
SOURCE: CARTER OC, MILLER C 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
206.0	BOND	CARTHAGE	LIMESTONE	-	384.0
-25.0	CARBONDALE	HERRIN	COAL	-	615.0

MAPID: 05100991000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 17 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: AVENA **LONGITUDE:** -88.881452 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.04514 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 1575.0 **LOG TYPE:**
SOURCE: SHELL OC, SATHER L 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
203.0	BOND	CARTHAGE	LIMESTONE	-	400.0
-45.0	CARBONDALE	HERRIN	COAL	-	648.0

MAPID: 05102547000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' S line, 405' W line of NE SW
QUADRANGLE: AVENA **LONGITUDE:** -88.89273 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.046941 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 636.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-49.0	CARBONDALE	SPRINGFIELD	COAL	-	636.0

MAPID: 05100052000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 18 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.9174 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.043354 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 577.0 **LOGGED (FT.):** 1559.0 **LOG TYPE:**
SOURCE: JOHNSN DRC, LOGUE 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
191.0	BOND	CARTHAGE	LIMESTONE	-	386.0
-47.0	CARBONDALE	HERRIN	COAL	-	624.0

MAPID: 05100055000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 18 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.907428 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.048754 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 593.0 **LOGGED (FT.):** 1588.0 **LOG TYPE:**
SOURCE: CARTER OC, MCCORMIK E 14 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
255.0	BOND	CARTHAGE	LIMESTONE	-	338.0

MAPID: 05100070000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.899925 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.056003 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 586.0 **LOGGED (FT.):** 1581.0 **LOG TYPE:**
SOURCE: CARTER OC, WELKER H 12 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
225.0	BOND	CARTHAGE	LIMESTONE	-	361.0	
-9.0	CARBONDALE	HERRIN	COAL	-	595.0	CORRELATION UNCERTAIN

MAPID: 05100071000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.909804 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.055988 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 583.4 **LOGGED (FT.):** 1501.0 **LOG TYPE:**
SOURCE: MARKHAM R, WELKER J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
227.4	BOND	CARTHAGE	LIMESTONE	-	356.0	
-9.6	CARBONDALE	HERRIN	COAL	-	593.0	

MAPID: 05100933000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.914795 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.052371 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 583.0 **LOGGED (FT.):** 1540.0 **LOG TYPE:**
SOURCE: CARTER OC, HARDING F 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
244.0	BOND	CARTHAGE	LIMESTONE	-	339.0	

MAPID: 05101035000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 18 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: AVENA **LONGITUDE:** -88.900068 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.043299 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 589.0 **LOGGED (FT.):** 1073.0 **LOG TYPE:**
SOURCE: LESH D JR, BURTSCHI 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
208.0	BOND	CARTHAGE	LIMESTONE	-	381.0
-23.0	CARBONDALE	HERRIN	COAL	-	612.0

MAPID: 05100399000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 19 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: AVENA **LONGITUDE:** -88.910087 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.034268 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 579.0 **LOGGED (FT.):** 1934.0 **LOG TYPE:**
SOURCE: TEXAS CO, KIMBRELL B 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
195.0	BOND	CARTHAGE	LIMESTONE	-	384.0
-53.0	CARBONDALE	HERRIN	COAL	-	632.0

MAPID: 05100401000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 19 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.912473 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.04153 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 580.0 **LOGGED (FT.):** 1555.0 **LOG TYPE:**
SOURCE: HOSS L B, SEALOCK J 9 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
180.0	BOND	CARTHAGE	LIMESTONE	-	400.0
-63.0	CARBONDALE	HERRIN	COAL	-	643.0

MAPID: 05101036000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 19 **QUARTERS/FOOTAGES:** SE NE SE
QUADRANGLE: AVENA **LONGITUDE:** -88.900152 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.032434 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 593.0 **LOGGED (FT.):** 1545.0 **LOG TYPE:**
SOURCE: CARTER OC, MILLS T 8 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
195.0	BOND	CARTHAGE	LIMESTONE	-	398.0
-27.0	CARBONDALE	HERRIN	COAL	-	620.0

MAPID: 05101634000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 19 **QUARTERS/FOOTAGES:** 326' S line, 330' W line of NW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.907695 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.032442 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 592.0 **LOGGED (FT.):** 653.0 **LOG TYPE:** Electric Log
SOURCE: HOSS LESLIE B **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
192.0	BOND	CARTHAGE	LIMESTONE	-	400.0
-59.0	CARBONDALE	SPRINGFIELD	COAL	2.0	651.0

MAPID: 05100403000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.881517 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.039677 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 597.0 **LOGGED (FT.):** 1561.0 **LOG TYPE:**
SOURCE: MINERVA OC, BREEZE 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
185.0	BOND	CARTHAGE	LIMESTONE	-	412.0
-50.0	CARBONDALE	HERRIN	COAL	-	647.0

MAPID: 05101037000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.890767 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.039676 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 597.0 **LOGGED (FT.):** 1552.0 **LOG TYPE:**
SOURCE: CARTER OC, OWENS C 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
185.0	BOND	CARTHAGE	LIMESTONE	-	412.0
-50.0	CARBONDALE	HERRIN	COAL	-	647.0

MAPID: 05101038000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** NW NE SW
QUADRANGLE: AVENA **LONGITUDE:** -88.893128 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.034236 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 597.0 **LOGGED (FT.):** 1552.0 **LOG TYPE:**
SOURCE: CARTER OC, HACKERT L 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
182.0	BOND	CARTHAGE	LIMESTONE	-	415.0
-33.0	CARBONDALE	HERRIN	COAL	-	630.0

MAPID: 05101039000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: AVENA **LONGITUDE:** -88.890874 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.028791 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 1639.0 **LOG TYPE:**
SOURCE: CARTER OC, CODDNGTN R 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
210.0	BOND	CARTHAGE	LIMESTONE	-	390.0
-38.0	CARBONDALE	HERRIN	COAL	-	638.0

MAPID: 05102758000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 20 **QUARTERS/FOOTAGES:** 1320' N line, 1301' E line of SE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.885032 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.035124 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 700.0 **LOG TYPE:** Electric Log
SOURCE: SHELL OIL COMPANY **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
191.0	BOND	CARTHAGE	LIMESTONE	-	410.0
-97.0	CARBONDALE	SPRINGFIELD	COAL	2.0	698.0

MAPID: 05100322000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 21 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.872414 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.034203 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 1582.0 **LOG TYPE:**
SOURCE: SHELL OC, JEDAMSKI R 7 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
206.0	BOND	CARTHAGE	LIMESTONE	-	397.0
-72.0	CARBONDALE	HERRIN	COAL	-	675.0

MAPID: 05100965000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 21 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.879295 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.034218 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 1688.0 **LOG TYPE:**
SOURCE: SHELL OC, EASTERDAY 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
192.0	BOND	CARTHAGE	LIMESTONE	-	408.0
-71.0	CARBONDALE	HERRIN	COAL	-	671.0

MAPID: 05100992000C VERSION: 1

PROJECT: CIRC 164

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 21 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.87243 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.028754 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 605.0 LOGGED (FT.): 1577.0 LOG TYPE:

SOURCE: SHELL OC, JEDAMSKI R 10 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
203.0	BOND	CARTHAGE	LIMESTONE	-	402.0
-61.0	CARBONDALE	HERRIN	COAL	-	666.0

MAPID: 05102689000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 21 QUARTERS/FOOTAGES: 791' N line, 721' E line of NE SW

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.873824 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.032933 DATE COLLECTED:

SURFACE ELEVATION (FT.): 606.0 LOGGED (FT.): 702.0 LOG TYPE: Electric Log

SOURCE: SHELL OIL COMPANY WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
216.0	BOND	CARTHAGE	LIMESTONE	-	390.0
-94.0	CARBONDALE	SPRINGFIELD	COAL	2.0	700.0

MAPID: 05102695000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 7N 3E SECTION: 22 QUARTERS/FOOTAGES: 360' S line, 330' W line of SW

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.860863 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.028835 DATE COLLECTED:

SURFACE ELEVATION (FT.): 612.0 LOGGED (FT.): 714.0 LOG TYPE: Electric Log

SOURCE: WINN C R WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-100.0	CARBONDALE	SPRINGFIELD	COAL	2.0	712.0

MAPID: 05101034000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 25 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.814141 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.02339 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 627.0 **LOGGED (FT.):** 545.0 **LOG TYPE:** Electric Log
SOURCE: HUBBARD HARRY P **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
82.0	BOND	CARTHAGE	LIMESTONE	-	545.0	

MAPID: 05101034000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 25 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.814141 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.02339 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 627.0 **LOGGED (FT.):** 2054.0 **LOG TYPE:**
SOURCE: HUBBARD H, BANDELOW W 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
82.0	BOND	CARTHAGE	LIMESTONE	-	545.0	
-182.0	CARBONDALE	HERRIN	COAL	-	809.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 05100423000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 28 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.879486 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.015963 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 607.0 **LOGGED (FT.):** 1584.0 **LOG TYPE:**
SOURCE: STEWART OC, MCPHEETR C 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-63.0	CARBONDALE	HERRIN	COAL	-	670.0	

MAPID: 05100963000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 28 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.877106 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.021455 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 602.0 **LOGGED (FT.):** 1583.0 **LOG TYPE:**
SOURCE: SHELL OC, FULTON C F 9 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
200.0	BOND	CARTHAGE	LIMESTONE	-	402.0
-50.0	CARBONDALE	HERRIN	COAL	-	652.0

MAPID: 05100968000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 28 **QUARTERS/FOOTAGES:** NW NE SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.87479 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.019629 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 1589.0 **LOG TYPE:**
SOURCE: SHELL OC, VANBRNG C 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
206.0	BOND	CARTHAGE	LIMESTONE	-	397.0
-66.0	CARBONDALE	HERRIN	COAL	-	669.0

MAPID: 05102708000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 28 **QUARTERS/FOOTAGES:** 663' N line, 665' E line of NW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.873633 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.026016 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 605.0 **LOGGED (FT.):** 694.0 **LOG TYPE:** Electric Log
SOURCE: SHELL OIL COMPANY **WELL TYPE:** Service Well
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-86.0	CARBONDALE	SPRINGFIELD	COAL	3.0	691.0

MAPID: 05100772000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: AVENA **LONGITUDE:** -88.897948 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.016015 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 605.0 **LOGGED (FT.):** 1573.0 **LOG TYPE:**
SOURCE: STEWART OC, GRIFFITH 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	CARBONDALE	HERRIN	COAL	-	627.0	

MAPID: 05100782000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.884015 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.025119 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 598.0 **LOGGED (FT.):** 1575.0 **LOG TYPE:**
SOURCE: SHELL PET, MILLISER H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-50.0	CARBONDALE	HERRIN	COAL	-	648.0	

MAPID: 05101040000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.89552 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.025152 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 597.0 **LOGGED (FT.):** 1545.0 **LOG TYPE:**
SOURCE: CARTER OC, RIPLEY L 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
205.0	BOND	CARTHAGE	LIMESTONE	-	392.0	
-24.0	CARBONDALE	HERRIN	COAL	-	621.0	

MAPID: 05101041000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.890961 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.021481 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 1560.0 **LOG TYPE:**
SOURCE: CARTER OC, FEEZEL J 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
211.0	BOND	CARTHAGE	LIMESTONE	-	393.0
-33.0	CARBONDALE	HERRIN	COAL	-	637.0

MAPID: 05101042000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: AVENA **LONGITUDE:** -88.891052 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.014166 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 605.0 **LOGGED (FT.):** 1564.0 **LOG TYPE:**
SOURCE: JARVISMARC, HOMAN 14B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
191.0	BOND	CARTHAGE	LIMESTONE	-	414.0
-33.0	CARBONDALE	HERRIN	COAL	-	638.0

MAPID: 05100785000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.910179 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.027008 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 598.0 **LOGGED (FT.):** 1595.0 **LOG TYPE:**
SOURCE: WHSNT&TRD, RHODES J M 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
207.0	BOND	CARTHAGE	LIMESTONE	-	391.0
-32.0	CARBONDALE	HERRIN	COAL	-	630.0

MAPID: 05101046000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.907864 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.01423 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 594.0 **LOGGED (FT.):** 1574.0 **LOG TYPE:**
SOURCE: CARTER OC, REECE P 8 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
196.0	BOND	CARTHAGE	LIMESTONE	-	398.0
-23.0	CARBONDALE	HERRIN	COAL	-	617.0

MAPID: 05101047000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: AVENA **LONGITUDE:** -88.907761 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.021529 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 1607.0 **LOG TYPE:**
SOURCE: WHSNT&TRD, SMITH CHAS 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
199.0	BOND	CARTHAGE	LIMESTONE	-	405.0
-39.0	CARBONDALE	HERRIN	COAL	-	643.0

MAPID: 05102763000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** 330' N line, 990' E line of SE
QUADRANGLE: AVENA **LONGITUDE:** -88.902553 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.019692 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 598.0 **LOGGED (FT.):** 643.0 **LOG TYPE:** Drillers Log
SOURCE: MABEE J E CO **WELL TYPE:** Unsuccessful or Unknown Results
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	CARBONDALE	SPRINGFIELD	COAL	3.0	640.0

MAPID: 05100790000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.915364 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.010594 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 1638.0 **LOG TYPE:**
SOURCE: BINNEY ETL, BUFF S 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
151.0	BOND	CARTHAGE	LIMESTONE	-	448.0
-81.0	CARBONDALE	HERRIN	COAL	-	680.0

MAPID: 05100800000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: AVENA **LONGITUDE:** -88.9103 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.005063 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 605.0 **LOGGED (FT.):** 1569.0 **LOG TYPE:**
SOURCE: JARVISBROS, WELKER J 11 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
209.0	BOND	CARTHAGE	LIMESTONE	-	396.0
-25.0	CARBONDALE	HERRIN	COAL	-	630.0

MAPID: 05100801000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: AVENA **LONGITUDE:** -88.910367 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.012413 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 591.0 **LOGGED (FT.):** 1839.0 **LOG TYPE:**
SOURCE: JARVISBROS, WELKER J 12 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
187.0	BOND	CARTHAGE	LIMESTONE	-	404.0
-34.0	CARBONDALE	HERRIN	COAL	-	625.0

MAPID: 05101044000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.902752 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.006877 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 1560.0 **LOG TYPE:**
SOURCE: CARTER OC, GRIFFITH M 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-34.0	CARBONDALE	HERRIN	COAL	-	635.0	

MAPID: 05101045000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: AVENA **LONGITUDE:** -88.90521 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.003215 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 1560.0 **LOG TYPE:**
SOURCE: CARTER OC, GRIFFITH M 12 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
180.0	BOND	CARTHAGE	LIMESTONE	-	420.0	
-55.0	CARBONDALE	HERRIN	COAL	-	655.0	

MAPID: 05102819000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** 105' N line, 540' E line of SW
QUADRANGLE: AVENA **LONGITUDE:** -88.910953 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.005693 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 665.0 **LOG TYPE:** Electric Log
SOURCE: JARVIS BROS-MARCELL **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
179.0	BOND	CARTHAGE	LIMESTONE	-	424.0	
-61.0	CARBONDALE	SPRINGFIELD	COAL	1.0	664.0	

MAPID: 05100805000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 32 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: AVENA **LONGITUDE:** -88.897913 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.010524 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 1581.0 **LOG TYPE:**
SOURCE: JARVISMARC, HOMAN J 2B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
201.0	BOND	CARTHAGE	LIMESTONE	-	403.0
-33.0	CARBONDALE	HERRIN	COAL	-	637.0

MAPID: 05101043000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 32 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: AVENA **LONGITUDE:** -88.88874 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.012323 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 605.0 **LOGGED (FT.):** 1584.0 **LOG TYPE:**
SOURCE: JARVISMARC, HOMAN 13B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
203.0	BOND	CARTHAGE	LIMESTONE	-	402.0
-43.0	CARBONDALE	HERRIN	COAL	-	648.0

MAPID: 05101226000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE NE
QUADRANGLE: AVENA **LONGITUDE:** -88.881779 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.008631 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 607.0 **LOGGED (FT.):** 685.0 **LOG TYPE:** Electric Log
SOURCE: BELDEN, W. L. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-75.0	CARBONDALE	SPRINGFIELD	COAL	3.0	682.0

MAPID: 05102853000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 7N 3E **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' S line, 990' E line of NW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.874786 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.006813 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 614.0 **LOGGED (FT.):** 416.0 **LOG TYPE:** Electric Log
SOURCE: LIPPITT HARRY R **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
198.0	BOND	CARTHAGE	LIMESTONE	-	416.0

MAPID: 05190004000C **VERSION:** 1 **PROJECT:** ISGS97
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 3 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: RAMSEY **LONGITUDE:** -89.064726 **GEOLOGIST:** MCCRACKEN
CONFIDENTIAL: N **LATITUDE:** 39.171711 **DATE COLLECTED:** 8 / 4 / 1922
SURFACE ELEVATION (FT.): 588.8 **LOGGED (FT.):** 682.0 **LOG TYPE:** Company map
SOURCE: PEABODY COAL CO. **WELL TYPE:** Coal Test
COMMENT: FAYETTE COUNTY COAL CO PROPERTY MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
588.8			UNKNOWN	676.0	0.0
-87.2	CARBONDALE	HERRIN	COAL	6.0	676.0

MAPID: 05101512000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 5 **QUARTERS/FOOTAGES:** 2310' S line, 990' W line
QUADRANGLE: RAMSEY **LONGITUDE:** -89.116014 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.165567 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 623.0 **LOGGED (FT.):** 722.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-43.0	MODESTO	PIASA	LIMESTONE	5.0	666.0
-48.0	MODESTO		SHALE	18.0	671.0
-66.0	CARBONDALE	DANVILLE	COAL	1.5	689.0
-67.5	CARBONDALE		SHALE	6.5	690.5
-74.0	CARBONDALE		SHALE	6.0	697.0
-80.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	703.0
-83.0	CARBONDALE	LAWSON	SHALE	9.5	706.0
-92.5	CARBONDALE	BRERETON	LIMESTONE	3.5	715.5
-95.0	CARBONDALE	HERRIN	COAL	4.0	718.0

MAPID: 05100988000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 7 QUARTERS/FOOTAGES: 990' N line, 330' W line
 QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.138007 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.156586 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 546.0 LOGGED (FT.): 626.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
278.0	BOND	CARTHAGE	LIMESTONE	-	268.0
-48.0	CARBONDALE	HERRIN	COAL	6.0	594.0
-76.0	CARBONDALE	SPRINGFIELD	COAL	4.0	622.0

MAPID: 05100988000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 7 QUARTERS/FOOTAGES: 990' N line, 330' W line
 QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.138007 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 39.156586 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 546.0 LOGGED (FT.): 601.5 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
8.0	MODESTO	PIASA	LIMESTONE	7.0	538.0
1.0	MODESTO		SHALE	14.0	545.0
-13.0	CARBONDALE	DANVILLE	COAL	3.0	559.0
-16.0	CARBONDALE		SHALE	12.0	562.0
-28.0	CARBONDALE		SHALE	5.0	574.0
-33.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	579.0
-36.5	CARBONDALE	LAWSON	SHALE	5.5	582.5
-42.0	CARBONDALE	BRERETON	LIMESTONE	3.5	588.0
-48.0	CARBONDALE	HERRIN	COAL	7.5	594.0

MAPID: 05101513000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 9 QUARTERS/FOOTAGES: 2310' N line, 990' W line
 QUADRANGLE: RAMSEY LONGITUDE: -89.09761 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.152188 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 614.0 LOGGED (FT.): 766.0 LOG TYPE: Electric Log
 SOURCE: DAYTON WARD W WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
204.0	BOND	CARTHAGE	LIMESTONE	-	410.0
-121.0	CARBONDALE	HERRIN	COAL	5.0	735.0
-148.0	CARBONDALE	SPRINGFIELD	COAL	4.0	762.0

MAPID: 05101513000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 9 QUARTERS/FOOTAGES: 2310' N line, 990' W line

QUADRANGLE: RAMSEY LONGITUDE: -89.09761 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.152188 DATE COLLECTED:

SURFACE ELEVATION (FT.): 614.0 LOGGED (FT.): 741.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-70.0	MODESTO	PIASA	LIMESTONE	5.0	684.0
-75.0	MODESTO		SHALE	19.0	689.0
-94.0	CARBONDALE	DANVILLE	COAL	2.0	708.0
-96.0	CARBONDALE		SHALE	8.0	710.0
-104.0	CARBONDALE		SHALE	5.0	718.0
-109.0	CARBONDALE	LAWSON	SHALE	5.0	723.0
-114.0	CARBONDALE	BRERETON	LIMESTONE	3.5	728.0
-117.5	CARBONDALE	ANNA	SHALE	2.0	731.5
-121.0	CARBONDALE	HERRIN	COAL	6.0	735.0

MAPID: 05190003000C VERSION: 1

PROJECT: ISGS97

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 9 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: RAMSEY LONGITUDE: -89.092969 GEOLOGIST: MCCRACKEN

CONFIDENTIAL: N LATITUDE: 39.152097 DATE COLLECTED: 8 / 4 / 1922

SURFACE ELEVATION (FT.): 612.3 LOGGED (FT.): 635.0 LOG TYPE: Company map

SOURCE: PEABODY COAL CO. WELL TYPE: Coal Test

COMMENT: FAYETTE COUNTY COAL CO PROPERTY MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
612.3			UNKNOWN	630.0	0.0
-17.7	CARBONDALE	HERRIN	COAL	5.0	630.0

MAPID: 05100013000C VERSION: 1

PROJECT: NCRDS87

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 16 QUARTERS/FOOTAGES: 3175' N line, 1805' W line

QUADRANGLE: RAMSEY LONGITUDE: -89.09498 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 39.135129 DATE COLLECTED: 8 / 0 / 1912

SURFACE ELEVATION (FT.): 594.1 LOGGED (FT.): 706.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
594.1			UNCONSOLIDATED	84.0	0.0	
510.1	BOND	MILLERSVILLE	LIMESTONE	23.0	84.0	
487.1	BOND		SHALE & SANDSTONE	59.0	107.0	
428.1	BOND		SHALE	5.5	166.0	
422.6	BOND		COAL	0.5	171.5	
422.1	BOND		UNDERCLAY	6.5	172.0	
415.6	BOND		SHALE	52.5	178.5	
363.1	BOND		BLACK SHALE	2.0	231.0	
361.1	BOND		COAL	1.0	233.0	
360.1	BOND		UNDERCLAY	6.0	234.0	
354.1	BOND		SHALE	13.0	240.0	
341.1	BOND		LIMESTONE	0.7	253.0	
340.4	BOND		SHALE	56.0	253.7	
284.4	BOND		COAL	0.3	309.7	
284.1	BOND		UNDERCLAY	3.8	310.0	
280.3	BOND		SHALE	39.3	313.8	
241.1	BOND	CARTHAGE	LIMESTONE	5.0	353.0	
236.1	MODESTO		SHALE	1.0	358.0	
235.1	MODESTO		BLACK SHALE	4.5	359.0	
230.6	MODESTO		UNCLASSIFIED	0.5	363.5	
230.1	MODESTO		SHALE	50.0	364.0	
180.1	MODESTO		SHALE & SANDSTONE	166.0	414.0	
14.1	MODESTO		SHALE	60.6	580.0	
-46.5	MODESTO		DARK SHALE	3.4	640.6	
-49.9	MODESTO		UNCLASSIFIED	0.8	644.0	
-50.7	MODESTO		SHALE	10.2	644.8	
-60.9	MODESTO		BLACK SHALE	2.5	655.0	
-63.4	MODESTO		LIMESTONE	0.5	657.5	
-63.9	MODESTO		BLACK SHALE	0.5	658.0	
-64.4	MODESTO		SHALE	7.4	658.5	
-71.8	CARBONDALE	DANVILLE	COAL	0.7	665.9	UNCERTAIN CORRELATION
-72.5			SHALE	0.3	666.6	
-72.7	CARBONDALE		COAL	0.2	666.8	
-72.9	CARBONDALE		SHALE	0.4	667.0	
-73.3	CARBONDALE	ANNA	BLACK SHALE	2.6	667.4	
-75.9	CARBONDALE	HERRIN	COAL	6.6	670.0	
-82.5	CARBONDALE		SANDSTONE	11.4	676.6	
-93.9	CARBONDALE		SHALE	5.0	688.0	
-98.9	CARBONDALE		SANDSTONE	3.8	693.0	

-102.7	CARBONDALE	TURNER MINE	BLACK SHALE	1.2	696.8
-103.9	CARBONDALE	SPRINGFIELD	COAL	4.0	698.0
-107.9	CARBONDALE		UNDERCLAY	2.0	702.0
-109.9	CARBONDALE		SHALE	2.0	704.0

MAPID: 05100013000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 16 **QUARTERS/FOOTAGES:** 3175' N line, 1805' W line
QUADRANGLE: RAMSEY **LONGITUDE:** -89.09498 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.135129 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 594.0 **LOGGED (FT.):** 675.6 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-50.8	MODESTO		DARK GRAY SHALE	7.2	644.8	
-58.0	CARBONDALE		GRAY SHALE	3.0	652.0	
-61.0	CARBONDALE		BLACK SHALE	2.5	655.0	
-63.5	CARBONDALE	BANKSTON FORK	LIMESTONE	0.5	657.5	UPPER BENCH
-64.0	CARBONDALE	BANKSTON FORK	BLACK SHALE	0.5	658.0	SHALE PARTING
-64.5	CARBONDALE	BANKSTON FORK	CALCAREOUS SHALE	1.5	658.5	LOWER BENCH
-66.0	CARBONDALE	LAWSON	GRAY SHALE	5.9	660.0	
-71.9	CARBONDALE	JAMESTOWN	BONE COAL	1.1	665.9	
-73.0	CARBONDALE		CALCAREOUS SHALE	0.4	667.0	
-73.4	CARBONDALE	ANNA	BLACK SHALE	2.6	667.4	
-76.0	CARBONDALE	HERRIN	COAL	5.6	670.0	

MAPID: 05100013000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 16 **QUARTERS/FOOTAGES:** 3175' N line, 1805' W line
QUADRANGLE: RAMSEY **LONGITUDE:** -89.09498 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.135129 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 594.0 **LOGGED (FT.):** 702.0 **LOG TYPE:** Drillers Log
SOURCE: PEABODY COAL CO. **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
241.0	BOND	CARTHAGE	LIMESTONE	-	353.0	
-76.0	CARBONDALE	HERRIN	COAL	5.5	670.0	
-104.0	CARBONDALE	SPRINGFIELD	COAL	4.0	698.0	

MAPID: 05190002000C **VERSION:** 1 **PROJECT:** ISGS97
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 16 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: RAMSEY **LONGITUDE:** -89.09323 **GEOLOGIST:** MCCRACKEN
CONFIDENTIAL: N **LATITUDE:** 39.135722 **DATE COLLECTED:** 8 / 4 / 1922
SURFACE ELEVATION (FT.): 595.7 **LOGGED (FT.):** 683.2 **LOG TYPE:** Company map
SOURCE: PEABODY COAL CO. **WELL TYPE:** Coal Test
COMMENT: FAYETTE COUNTY COAL CO PROPERTY MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
595.7			UNKNOWN	676.6	0.0
-80.9	CARBONDALE	HERRIN	COAL	6.6	676.6

MAPID: 05190001000C **VERSION:** 1 **PROJECT:** ISGS97
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 17 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: RAMSEY **LONGITUDE:** -89.104793 **GEOLOGIST:** MCCRACKEN
CONFIDENTIAL: N **LATITUDE:** 39.141352 **DATE COLLECTED:** 8 / 4 / 1922
SURFACE ELEVATION (FT.): 605.6 **LOGGED (FT.):** 674.6 **LOG TYPE:** Company map
SOURCE: PEABODY COAL CO. **WELL TYPE:** Coal Test
COMMENT: FAYETTE COUNTY COAL CO PROPERTY MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
605.6			UNKNOWN	667.8	0.0
-62.2	CARBONDALE	HERRIN	COAL	6.8	667.8

MAPID: 05101332000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 19 **QUARTERS/FOOTAGES:** 990' S line, 2310' E line
QUADRANGLE: BINGHAM **LONGITUDE:** -89.128407 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.118205 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 602.0 **LOGGED (FT.):** 727.0 **LOG TYPE:** Electric Log
SOURCE: LEAVITT S H **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
222.0	BOND	CARTHAGE	LIMESTONE	-	380.0
-91.0	CARBONDALE	HERRIN	COAL	5.0	693.0
-120.0	CARBONDALE	SPRINGFIELD	COAL	5.0	722.0

MAPID: 05101332000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 19 QUARTERS/FOOTAGES: 990' S line, 2310' E line

QUADRANGLE: BINGHAM LONGITUDE: -89.128407 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.118205 DATE COLLECTED:

SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 700.0 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
-32.0	MODESTO	PIASA	LIMESTONE	7.0	634.0
-39.0	MODESTO		SHALE	12.5	641.0
-51.5	CARBONDALE	DANVILLE	COAL	4.5	653.5
-56.0	CARBONDALE		GRAY SHALE	6.0	658.0
-62.0	CARBONDALE		DARK GRAY SHALE	4.0	664.0
-66.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.0	668.0
-71.0	CARBONDALE	LAWSON	SHALE	7.0	673.0
-78.0	CARBONDALE	BRERETON	LIMESTONE	6.0	680.0
-84.0	CARBONDALE	ANNA	SHALE	4.0	686.0
-92.0	CARBONDALE	HERRIN	COAL	6.0	694.0

MAPID: 05127398000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 22 QUARTERS/FOOTAGES: SE SE SW NW

QUADRANGLE: VERA LONGITUDE: -89.07887 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.122447 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 675.9 LOG TYPE: Company map

SOURCE: CARTER OIL WF-440 WELL TYPE: Coal Test

COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	6.9	669.0

MAPID: 05127399000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 24 QUARTERS/FOOTAGES: NE NW NW

QUADRANGLE: RAMSEY LONGITUDE: -89.042085 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.127681 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 745.7 LOG TYPE: Company map

SOURCE: CARTER OIL WF-441 WELL TYPE: Coal Test

COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.7	738.0

MAPID: 0512740000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 26 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: VERA **LONGITUDE:** -89.049441 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.100462 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 661.5 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-166 **WELL TYPE:** Coal Test
COMMENT: LOCN,DATA FROM PANA-BROWN A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.5	655.0	

MAPID: 05127401000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 29 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: VERA **LONGITUDE:** -89.119165 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.11267 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 641.8 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-92B **WELL TYPE:** Coal Test
COMMENT: LOCN,DATA FROM PANA-BROWN A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.3	608.0	
-	CARBONDALE	SPRINGFIELD	COAL	4.8	637.0	

MAPID: 05101960000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 31 **QUARTERS/FOOTAGES:** 990' N line, 330' E line
QUADRANGLE: VERA **LONGITUDE:** -89.121758 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.098202 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 596.0 **LOGGED (FT.):** 710.0 **LOG TYPE:** Electric Log
SOURCE: RICHARDS BEN H JR **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
219.0	BOND	CARTHAGE	LIMESTONE	-	377.0	
-84.0	CARBONDALE	HERRIN	COAL	4.0	680.0	
-110.0	CARBONDALE	SPRINGFIELD	COAL	4.0	706.0	

MAPID: 05101960000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 31 QUARTERS/FOOTAGES: 990' N line, 330' E line

QUADRANGLE: VERA LONGITUDE: -89.121758 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.098202 DATE COLLECTED:

SURFACE ELEVATION (FT.): 596.0 LOGGED (FT.): 733.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-24.0	MODESTO	PIASA	LIMESTONE	6.0	620.0	
-30.0	MODESTO		SHALE	18.0	626.0	
-48.0	CARBONDALE	DANVILLE	COAL	3.0	644.0	
-51.0	CARBONDALE		SHALE	7.0	647.0	
-58.0	CARBONDALE		DARK GRAY SHALE	4.0	654.0	
-62.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.5	658.0	LOWER BENCH
-63.5	CARBONDALE	LAWSON	SHALE	12.0	659.5	
-75.5	CARBONDALE	CONANT	LIMESTONE	2.0	671.5	
-77.5	CARBONDALE		SHALE	2.0	673.5	
-79.5	CARBONDALE	BRERETON	LIMESTONE	4.0	675.5	
-83.5	CARBONDALE	HERRIN	COAL	4.0	679.5	

MAPID: 05127402000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 31 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: VERA LONGITUDE: -89.121745 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.087286 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 598.5 LOG TYPE: Company map

SOURCE: CARTER OIL WF-439 WELL TYPE: Coal Test

COMMENT: LOCN, DATA FROM PANA-BROWN A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	5.5	593.0	

MAPID: 05127403000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 8N 1E SECTION: 34 QUARTERS/FOOTAGES: SW NW NW

QUADRANGLE: VERA LONGITUDE: -89.082114 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.09753 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 668.7 LOG TYPE: Company map

SOURCE: CARTER OIL WF-312 WELL TYPE: Coal Test

COMMENT: LOCN, DATA FROM PANA-BROWN A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.7	662.0	

MAPID: 05127404000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 1E **SECTION:** 35 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: VERA **LONGITUDE:** -89.061075 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.098866 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 661.6 **LOG TYPE:** Company map
SOURCE: CARTER OIL 35-451 **WELL TYPE:** Coal Test
COMMENT: LOCN, DATA FROM PANA-BROWN A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.6	654.0	

MAPID: 05100038000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 1W **SECTION:** 1 **QUARTERS/FOOTAGES:** 660' S line, 660' W line
QUADRANGLE: RAMSEY LAKE **LONGITUDE:** -89.155441 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.16113 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 630.0 **LOGGED (FT.):** 704.0 **LOG TYPE:** Electric Log
SOURCE: IL EXPLORATION, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
285.0	BOND	CARTHAGE	LIMESTONE	-	345.0	
-50.0	CARBONDALE	HERRIN	COAL	6.0	680.0	
-71.0	CARBONDALE	SPRINGFIELD	COAL	3.0	701.0	

MAPID: 05100038000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 8N 1W **SECTION:** 1 **QUARTERS/FOOTAGES:** 660' S line, 660' W line
QUADRANGLE: RAMSEY LAKE **LONGITUDE:** -89.155441 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.16113 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 630.0 **LOGGED (FT.):** 686.5 **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	
1.0	MODESTO	PIASA	LIMESTONE	9.0	629.0	
-8.0	MODESTO		SHALE	15.0	638.0	
-23.0	CARBONDALE		SHALE	17.0	653.0	
-40.0	CARBONDALE	LAWSON	SHALE	7.0	670.0	
-47.0	CARBONDALE	BRERETON	LIMESTONE	4.0	677.0	
-51.0	CARBONDALE	ANNA	SHALE	3.5	681.0	
-50.0	CARBONDALE	HERRIN	COAL	6.5	680.0	

MAPID: 05101252000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 3 QUARTERS/FOOTAGES: 2310' N line, 990' E line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.179915 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.167491 DATE COLLECTED:

SURFACE ELEVATION (FT.): 638.0 LOGGED (FT.): 687.0 LOG TYPE: Electric Log

SOURCE: TROOP, R. H. ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
302.0	BOND	CARTHAGE	LIMESTONE	-	336.0
-33.0	CARBONDALE	HERRIN	COAL	5.0	671.0
-46.0	CARBONDALE	SPRINGFIELD	COAL	3.0	684.0

MAPID: 05101252000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 3 QUARTERS/FOOTAGES: 2310' N line, 990' E line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.179915 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.167491 DATE COLLECTED:

SURFACE ELEVATION (FT.): 638.0 LOGGED (FT.): 676.0 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
15.0	MODESTO	PIASA	LIMESTONE	5.0	623.0
10.0	MODESTO		SHALE	10.0	628.0
0.0	CARBONDALE	DANVILLE	COAL	2.0	638.0
-2.0	CARBONDALE		SHALE	12.0	640.0
-14.0	CARBONDALE		SHALE	12.0	652.0
-26.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	664.0
-28.5	CARBONDALE	LAWSON	SHALE	3.0	666.5
-31.5	CARBONDALE	BRERETON	LIMESTONE	4.0	669.5
-34.0	CARBONDALE	HERRIN	COAL	4.0	672.0

MAPID: 05100006000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 5 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.231198 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.160104 DATE COLLECTED:

SURFACE ELEVATION (FT.): 625.0 LOGGED (FT.): 633.0 LOG TYPE: Drillers Log

SOURCE: DERING COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
331.0	BOND	CARTHAGE	LIMESTONE	-	294.0
0.0	CARBONDALE	HERRIN	COAL	8.0	625.0

MAPID: 05100609000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.224262 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.161959 DATE COLLECTED:

SURFACE ELEVATION (FT.): 659.0 LOGGED (FT.): 675.0 LOG TYPE: Electric Log

SOURCE: CHERRY, KIDD & BARRON WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
340.0	BOND	CARTHAGE	LIMESTONE	-	319.0
9.0	CARBONDALE	HERRIN	COAL	5.0	650.0
-14.0	CARBONDALE	SPRINGFIELD	COAL	2.0	673.0

MAPID: 05127410000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 8 QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.231217 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.147281 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 635.8 LOG TYPE: Company map

SOURCE: CARTER OIL 19D-703 WELL TYPE: Coal Test

COMMENT: LOCN,DATA FROM PANA-BROWN A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.8	628.0

MAPID: 05101136000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 10 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.187036 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.152954 DATE COLLECTED:

SURFACE ELEVATION (FT.): 636.0 LOGGED (FT.): 669.0 LOG TYPE: Electric Log

SOURCE: TROOP & LARSEN WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
328.0	BOND	CARTHAGE	LIMESTONE	-	308.0
-10.0	CARBONDALE	HERRIN	COAL	6.0	646.0
-32.0	CARBONDALE	SPRINGFIELD	COAL	1.0	668.0

MAPID: 05101136000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 10 QUARTERS/FOOTAGES: 2310' N line, 2310' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.187036

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.152954

DATE COLLECTED:

SURFACE ELEVATION (FT.): 636.0

LOGGED (FT.): 653.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	MODESTO	PIASA	LIMESTONE	4.0	596.0	
36.0	MODESTO		SHALE	14.0	600.0	
22.0	CARBONDALE	DANVILLE	COAL	2.0	614.0	
20.0	CARBONDALE		SHALE	7.5	616.0	
12.5	CARBONDALE		SHALE	7.5	623.5	
5.0	CARBONDALE	LAWSON	SHALE	10.0	631.0	
-5.0	CARBONDALE	BRERETON	LIMESTONE	1.5	641.0	
-6.5	CARBONDALE	ANNA	SHALE	2.0	642.5	
-10.0	CARBONDALE	HERRIN	COAL	7.0	646.0	

MAPID: 05100007000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 11 QUARTERS/FOOTAGES:

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.167068

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.151993

DATE COLLECTED:

SURFACE ELEVATION (FT.): 547.0

LOGGED (FT.): 610.0

LOG TYPE: Drillers Log

SOURCE: NO COMPANY

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-57.0	CARBONDALE	HERRIN	COAL	6.0	604.0	

MAPID: 05100007000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 11 QUARTERS/FOOTAGES:

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.167068

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.151993

DATE COLLECTED:

SURFACE ELEVATION (FT.): 548.0

LOGGED (FT.): 573.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-1.0	MODESTO	PIASA	LIMESTONE	7.0	549.0
-8.0	MODESTO		GRAY SHALE	11.0	556.0
-19.0	CARBONDALE	DANVILLE	COAL	3.0	567.0
-22.0	CARBONDALE		CALCAREOUS SHALE	16.0	570.0
-38.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	10.0	586.0
-48.0	CARBONDALE	LAWSON	SHALE	5.0	596.0
-53.0	CARBONDALE	BRERETON	LIMESTONE	3.0	601.0
-56.0	CARBONDALE	HERRIN	COAL	6.0	604.0

MAPID: 05101432000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.17522

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.151111

DATE COLLECTED:

SURFACE ELEVATION (FT.): 595.0

LOGGED (FT.): 641.0

LOG TYPE: Electric Log

SOURCE: TROOP, R. H. ETAL

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
310.0	BOND	CARTHAGE	LIMESTONE	-	285.0
-25.0	CARBONDALE	HERRIN	COAL	6.0	620.0
-45.0	CARBONDALE	SPRINGFIELD	COAL	1.0	640.0

MAPID: 05101298000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 12 QUARTERS/FOOTAGES: 350' S line, 380' W line of SE SE

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.142505

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.145678

DATE COLLECTED:

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 617.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
263.0	BOND	CARTHAGE	LIMESTONE	-	273.0
-58.0	CARBONDALE	HERRIN	COAL	3.0	594.0
-78.0	CARBONDALE	SPRINGFIELD	COAL	3.0	614.0

MAPID: 05100008000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 20 QUARTERS/FOOTAGES: NW NW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.229992 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.128227 DATE COLLECTED:

SURFACE ELEVATION (FT.): 577.0 LOGGED (FT.): 596.0 LOG TYPE: Drillers Log

SOURCE: DERING COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
295.0	BOND	CARTHAGE	LIMESTONE	-	282.0
-12.0	CARBONDALE	HERRIN	COAL	7.0	589.0

MAPID: 05100008000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 20 QUARTERS/FOOTAGES: NW NW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.229992 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.128227 DATE COLLECTED:

SURFACE ELEVATION (FT.): 577.0 LOGGED (FT.): 597.0 LOG TYPE: Drillers Log

SOURCE: GOOD DESCRIPTION WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
38.0	MODESTO	PIASA	LIMESTONE	5.8	539.0
32.2	MODESTO		GRAY SHALE	12.0	544.8
20.2	CARBONDALE	DANVILLE	COAL	2.6	556.8
17.6	CARBONDALE		GRAY SHALE	3.6	559.4
14.0	CARBONDALE	GALUM	LIMESTONE	1.0	563.0
13.0	CARBONDALE		GRAY SHALE	2.5	564.0
10.5	CARBONDALE		BLACK SHALE	3.0	566.5
7.5	CARBONDALE	BANKSTON FORK	LIMESTONE	1.5	569.5 LOWER BENCH
6.0	CARBONDALE	LAWSON	BLACK SHALE	2.5	571.0
3.5	CARBONDALE	LAWSON	GRAY SHALE	4.5	573.5
-1.0	CARBONDALE	BRERETON	LIMESTONE	9.3	578.0
-10.3	CARBONDALE	ANNA	BLACK SHALE	2.7	587.3
-13.0	CARBONDALE	HERRIN	COAL	7.0	590.0

MAPID: 05101299000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 330' E line
 QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.177588 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.129267 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 622.0 LOGGED (FT.): 682.0 LOG TYPE: Electric Log
 SOURCE: SIMPSON, C. J. DRLG. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
282.0	BOND	CARTHAGE	LIMESTONE	-	340.0
-26.0	CARBONDALE	HERRIN	COAL	5.0	648.0
-56.0	CARBONDALE	SPRINGFIELD	COAL	4.0	678.0

MAPID: 05101299000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 330' E line
 QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.177588 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 39.129267 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 622.0 LOGGED (FT.): 654.0 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
24.0	MODESTO	PIASA	LIMESTONE	4.5	598.0
19.5	MODESTO		SHALE	13.0	602.5
6.5	CARBONDALE	DANVILLE	COAL	2.5	615.5
4.0	CARBONDALE		SHALE	5.0	618.0
-1.0	CARBONDALE		SHALE	5.0	623.0
-6.0	CARBONDALE		SHALE	5.0	628.0
-11.0	CARBONDALE	LAWSON	SHALE	10.0	633.0
-21.0	CARBONDALE	BRERETON	LIMESTONE	4.0	643.0
-25.0	CARBONDALE	ANNA	SHALE	1.0	647.0
-26.0	CARBONDALE	HERRIN	COAL	6.0	648.0

MAPID: 05124895000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 22 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW
 QUADRANGLE: BINGHAM LONGITUDE: -89.191691 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.120156 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 622.0 LOGGED (FT.): 660.0 LOG TYPE: Drillers Log
 SOURCE: ENERGY RESOURCES CORP. WELL TYPE: Unsuccessful or Unknown Results
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-13.0	CARBONDALE	HERRIN	COAL	6.0	635.0
-35.0	CARBONDALE	SPRINGFIELD	COAL	3.0	657.0

MAPID: 05101308000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 1W **SECTION:** 23 **QUARTERS/FOOTAGES:** 920' S line, 1120' W line
QUADRANGLE: BINGHAM **LONGITUDE:** -89.172389 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.11821 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 639.2 **LOG TYPE:** Drillers Log
SOURCE: DONK BROS. COAL & COKE **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	5.2	634.0

MAPID: 05101308000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 8N 1W **SECTION:** 23 **QUARTERS/FOOTAGES:** 920' S line, 1120' W line
QUADRANGLE: BINGHAM **LONGITUDE:** -89.172389 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.11821 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 606.0 **LOGGED (FT.):** 639.2 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
21.7	MODESTO		SHALE	15.0	584.3
6.7	CARBONDALE		SHALE	5.0	599.3
1.7	CARBONDALE		SHALE	5.0	604.3
-3.3	CARBONDALE		DARK GRAY SHALE	5.0	609.3
-8.3	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	614.3
-9.3	CARBONDALE	LAWSON	GRAY SHALE	9.5	615.3
-18.8	CARBONDALE	BRERETON	LIMESTONE	8.0	624.8
-26.8	CARBONDALE	ANNA	DARK GRAY SHALE	1.2	632.8
-28.0	CARBONDALE	HERRIN	COAL	5.2	634.0

MAPID: 05101301000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 1W **SECTION:** 24 **QUARTERS/FOOTAGES:** 2310' N line, 1650' W line
QUADRANGLE: BINGHAM **LONGITUDE:** -89.151821 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.12387 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 698.0 **LOG TYPE:** Electric Log
SOURCE: SIMPSON, C. J. DRLG. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
235.0	BOND	CARTHAGE	LIMESTONE	-	369.0
-66.0	CARBONDALE	HERRIN	COAL	4.0	670.0
-92.0	CARBONDALE	SPRINGFIELD	COAL	2.0	696.0

MAPID: 05101301000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 24 QUARTERS/FOOTAGES: 2310' N line, 1650' W line

QUADRANGLE: BINGHAM LONGITUDE: -89.151821 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.12387 DATE COLLECTED:

SURFACE ELEVATION (FT.): 604.0 LOGGED (FT.): 675.0 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	
-11.0	MODESTO	PIASA	LIMESTONE	5.5	615.0	
-16.5	MODESTO		SHALE	16.0	620.5	
-32.5	CARBONDALE	DANVILLE	COAL	3.0	636.5	
-35.5	CARBONDALE		SHALE	5.0	639.5	
-40.5	CARBONDALE		SHALE	3.0	644.5	
-43.5	CARBONDALE		BLACK SHALE	5.5	647.5	
-49.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.5	653.0	LOWER BENCH
-50.5	CARBONDALE	LAWSON	GRAY SHALE	7.0	654.5	
-57.5	CARBONDALE	BRERETON	LIMESTONE	6.0	661.5	
-63.5	CARBONDALE	ANNA	SHALE	2.0	667.5	
-66.0	CARBONDALE	HERRIN	COAL	5.0	670.0	

MAPID: 05100009000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 27 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: BINGHAM LONGITUDE: -89.186944 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.101923 DATE COLLECTED:

SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 622.0 LOG TYPE: Drillers Log

SOURCE: PEABODY COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	CARBONDALE	HERRIN	COAL	6.3	595.0	
-53.0	CARBONDALE	SPRINGFIELD	COAL	2.0	620.0	

MAPID: 05100009000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 27 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: BINGHAM LONGITUDE: -89.186944 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.101923 DATE COLLECTED:

SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 601.3 LOG TYPE: Drillers Log

SOURCE: WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.5	MODESTO	PIASA	LIMESTONE	6.0	544.5	
16.5	MODESTO		GRAY SHALE	12.3	550.5	
4.2	CARBONDALE	DANVILLE	COAL	2.5	562.8	
1.7	CARBONDALE		GRAY SHALE	4.3	565.3	
-2.5	CARBONDALE	GALUM	LIMESTONE	2.5	569.5	
-5.0	CARBONDALE		SANDSTONE	1.5	572.0	
-6.5	CARBONDALE		BLACK SHALE	5.5	573.5	
-12.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.7	579.0	LOWER BENCH
-13.7	CARBONDALE	LAWSON	BLACK SHALE	1.6	580.7	
-15.3	CARBONDALE	LAWSON	CALCAREOUS SHALE	6.0	582.3	
-21.3	CARBONDALE	BRERETON	LIMESTONE	3.0	588.3	
-24.3	CARBONDALE	ANNA	CALCAREOUS SHALE	3.8	591.3	
-28.0	CARBONDALE	HERRIN	COAL	6.3	595.0	

MAPID: 05101300000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: BINGHAM LONGITUDE: -89.184609 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.109227 DATE COLLECTED:

SURFACE ELEVATION (FT.): 607.0 LOGGED (FT.): 651.0 LOG TYPE: Electric Log

SOURCE: SIMPSON, C. J. DRLG. CO. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
275.0	BOND	CARTHAGE	LIMESTONE	-	332.0	
-16.0	CARBONDALE	HERRIN	COAL	4.0	623.0	
-42.0	CARBONDALE	SPRINGFIELD	COAL	2.0	649.0	

MAPID: 05100010000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 30 QUARTERS/FOOTAGES: SE SE SE SE
 QUADRANGLE: BINGHAM LONGITUDE: -89.23285 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.101364 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 629.0 LOGGED (FT.): 648.2 LOG TYPE: Drillers Log
 SOURCE: DERING COAL CO. WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-13.0	CARBONDALE	HERRIN	COAL	6.2	642.0

MAPID: 05100010000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 30 QUARTERS/FOOTAGES: SE SE SE SE
 QUADRANGLE: BINGHAM LONGITUDE: -89.23285 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 39.101364 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 629.0 LOGGED (FT.): 648.2 LOG TYPE: Drillers Log
 SOURCE: WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
36.0	MODESTO	PIASA	LIMESTONE	6.5	593.0
29.5	MODESTO		GRAY SHALE	9.0	599.5
20.5	CARBONDALE	DANVILLE	COAL	3.2	608.5
17.3	CARBONDALE		GRAY SHALE	5.8	611.7
11.5	CARBONDALE	GALUM	LIMESTONE	1.0	617.5
10.5	CARBONDALE		BLACK SHALE	4.0	618.5
6.5	CARBONDALE	LAWSON	GRAY SHALE	2.5	622.5
4.0	CARBONDALE	LAWSON	BLACK SHALE	2.0	625.0
2.0	CARBONDALE	LAWSON	GRAY SHALE	8.0	627.0
-6.0	CARBONDALE	BRERETON	LIMESTONE	4.0	635.0
-10.0	CARBONDALE	ANNA	BLACK SHALE	3.0	639.0
-13.0	CARBONDALE	HERRIN	COAL	6.2	642.0

MAPID: 05100011000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 31 QUARTERS/FOOTAGES: 225' N line, 100' W line of SW
 QUADRANGLE: FILLMORE LONGITUDE: -89.250232 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.093008 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 571.8 LOG TYPE: Drillers Log
 SOURCE: SETTY ADAM WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
312.0	BOND	CARTHAGE	LIMESTONE	-	243.0
-10.0	CARBONDALE	HERRIN	COAL	6.8	565.0

MAPID: 05100620000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 33 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW
 QUADRANGLE: BINGHAM LONGITUDE: -89.207935 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.092835 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 554.0 LOGGED (FT.): 615.0 LOG TYPE: Electric Log
 SOURCE: PUMMILL J S WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	CARBONDALE	HERRIN	COAL	5.0	582.0	
-58.0	CARBONDALE	SPRINGFIELD	COAL	3.0	612.0	

MAPID: 05124814000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 1W SECTION: 34 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NE
 QUADRANGLE: BINGHAM LONGITUDE: -89.177465 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.098281 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 612.0 LOGGED (FT.): 674.0 LOG TYPE: Electric Log
 SOURCE: MOBIL OIL CO. WELL TYPE: Structure Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-24.0	CARBONDALE	HERRIN	COAL	5.0	636.0	
-60.0	CARBONDALE	SPRINGFIELD	COAL	2.0	672.0	

MAPID: 05127405000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 8N 2E SECTION: 1 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: HERRICK LONGITUDE: -88.934891 GEOLOGIST: E. PRUSSEN
 CONFIDENTIAL: N LATITUDE: 39.171944 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 726.9 LOG TYPE: Company map
 SOURCE: CARTER OIL 4E-711 WELL TYPE: Coal Test
 COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.9	719.0	

MAPID: 05127406000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 7 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: RAMSEY **LONGITUDE:** -89.023468 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.156493 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 740.8 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-169 **WELL TYPE:** Coal Test
COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.8	733.0

MAPID: 05100989000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 8 **QUARTERS/FOOTAGES:** 1650' N line, 330' E line
QUADRANGLE: HERRICK **LONGITUDE:** -88.99328 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.15291 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 633.0 **LOGGED (FT.):** 836.0 **LOG TYPE:** Electric Log
SOURCE: MAGNOLIA PETROLEUM **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
161.0	BOND	CARTHAGE	LIMESTONE	-	472.0
-177.0	CARBONDALE	HERRIN	COAL	4.0	810.0
-201.0	CARBONDALE	SPRINGFIELD	COAL	2.0	834.0

MAPID: 05100989000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 8 **QUARTERS/FOOTAGES:** 1650' N line, 330' E line
QUADRANGLE: HERRICK **LONGITUDE:** -88.99328 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.15291 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 633.0 **LOGGED (FT.):** 814.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-139.0	CARBONDALE	DANVILLE	COAL	4.0	772.0
-143.0	CARBONDALE		SHALE	9.0	776.0
-152.0	CARBONDALE		SHALE	5.0	785.0
-157.0	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	7.5	790.0
-164.5	CARBONDALE	LAWSON	SHALE	4.0	797.5
-168.5	CARBONDALE	BRERETON	LIMESTONE	2.0	801.5
-170.5	CARBONDALE	ANNA	SHALE	2.5	803.5
-173.0	CARBONDALE	HERRIN	COAL	8.0	806.0

MAPID: 05101515000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 11 **QUARTERS/FOOTAGES:** 990' S line, 330' W line
QUADRANGLE: HERRICK **LONGITUDE:** -88.953627 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.146229 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 501.0 **LOGGED (FT.):** 700.0 **LOG TYPE:** Electric Log
SOURCE: NANCE C E **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
147.0	BOND	CARTHAGE	LIMESTONE	-	354.0
-173.0	CARBONDALE	HERRIN	COAL	3.0	674.0
-197.0	CARBONDALE	SPRINGFIELD	COAL	2.0	698.0

MAPID: 05101515000C **VERSION:** 2 **PROJECT:** ROOF STUDY
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 11 **QUARTERS/FOOTAGES:** 990' S line, 330' W line
QUADRANGLE: HERRICK **LONGITUDE:** -88.953627 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.146229 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 503.0 **LOGGED (FT.):** 677.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-141.0	CARBONDALE	DANVILLE	COAL	2.5	644.0
-143.5	CARBONDALE		SHALE	7.5	646.5
-151.0	CARBONDALE		SHALE	3.0	654.0
-154.0	CARBONDALE	LAWSON	SHALE	3.0	657.0
-157.0	CARBONDALE	BRERETON	LIMESTONE	6.0	660.0
-163.0	CARBONDALE	ANNA	SHALE	5.0	666.0
-168.0	CARBONDALE	HERRIN	COAL	6.0	671.0

MAPID: 05127407000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 13 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HERRICK **LONGITUDE:** -88.918825 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.139469 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 0.0 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-446 **WELL TYPE:** Coal Test
COMMENT: LOCATION,DATA FRIM HERRICK A,B,C,D&E

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.3	

MAPID: 05124892000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NW
QUADRANGLE: HERRICK **LONGITUDE:** -88.991057 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.14207 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 568.0 **LOGGED (FT.):** 776.0 **LOG TYPE:** Electric Log
SOURCE: ENERGY RESOURCES CORP. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-146.0	CARBONDALE	DANVILLE	COAL	3.0	714.0	
-178.0	CARBONDALE	HERRIN	COAL	6.0	746.0	
-205.0	CARBONDALE	SPRINGFIELD	COAL	3.0	773.0	

MAPID: 05127408000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 20 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: VERA **LONGITUDE:** -89.007476 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.116602 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 742.3 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-165 **WELL TYPE:** Coal Test
COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.3	735.0	

MAPID: 05127409000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 2E **SECTION:** 23 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: AVENA **LONGITUDE:** -88.937708 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.117553 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 668.9 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-443 **WELL TYPE:** Coal Test
COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	6.9	662.0	

MAPID: 05101334000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 8N 2E SECTION: 26 QUARTERS/FOOTAGES: 1650' N line, 1650' W line
 QUADRANGLE: AVENA LONGITUDE: -88.949167 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 39.110121 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 694.5 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-162.5	CARBONDALE	DANVILLE	COAL	2.0	662.5
-164.5	CARBONDALE		SHALE	6.0	664.5
-170.5	CARBONDALE		SHALE	4.0	670.5
-174.5	CARBONDALE	LAWSON	SHALE	4.0	674.5
-178.5	CARBONDALE	BRERETON	LIMESTONE	5.5	678.5
-184.0	CARBONDALE	ANNA	SHALE	4.0	684.0
-188.0	CARBONDALE	HERRIN	COAL	6.5	688.0

MAPID: 05100619000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 2E SECTION: 29 QUARTERS/FOOTAGES: 90' S line, 147' E line
 QUADRANGLE: AVENA LONGITUDE: -88.993071 GEOLOGIST: C TREWORYG
 CONFIDENTIAL: N LATITUDE: 39.0997 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 543.0 LOGGED (FT.): 748.0 LOG TYPE: Electric Log
 SOURCE: BROWN, W. H. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-201.0	CARBONDALE	SPRINGFIELD	COAL	4.0	744.0

MAPID: 05101847000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 2E SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of SE
 QUADRANGLE: AVENA LONGITUDE: -88.919249 GEOLOGIST: C TREWORYG
 CONFIDENTIAL: N LATITUDE: 39.087073 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 695.0 LOG TYPE: Drillers Log
 SOURCE: WELL TYPE: Water Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
190.0	BOND	CARTHAGE	LIMESTONE	-	420.0
-69.0	CARBONDALE	HERRIN	COAL	1.0	679.0
-81.0	CARBONDALE	SPRINGFIELD	COAL	4.0	691.0

MAPID: 05102914000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 2 QUARTERS/FOOTAGES: 670' S line, 666' W line of NE SW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.836141 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.164481 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 609.0 LOGGED (FT.): 954.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Gas Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	CARBONDALE	DANVILLE	COAL	3.0	637.0	
-40.0	CARBONDALE	SPRINGFIELD	COAL	2.0	649.0	
-339.0	SPOON	ROCK ISLAND	COAL	6.0	948.0	

MAPID: 05100808000C VERSION: 1

PROJECT: CONTROL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 3 QUARTERS/FOOTAGES: 332' S line, 315' E line of NE SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.844256 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 39.163561 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 1618.0 LOG TYPE: Survey Sample Study
 SOURCE: CARTER OIL COMPANY 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: 05104363000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 3 QUARTERS/FOOTAGES: 130' N line, 230' W line of SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.851702 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.166012 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 563.0 LOGGED (FT.): 946.0 LOG TYPE: Electric Log
 SOURCE: NATURAL GAS PIPELINE CO. WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	CARBONDALE	DANVILLE	COAL	3.0	610.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0		COAL MISSING
-376.0	SPOON	ROCK ISLAND	COAL	7.0	939.0	

MAPID: 05101518000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 1120' E line of SE NW
 QUADRANGLE: HERRICK LONGITUDE: -88.893776 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.168916 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 591.0 LOGGED (FT.): 805.0 LOG TYPE: Electric Log
 SOURCE: NATION BEN H WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-189.0	CARBONDALE	HERRIN	COAL	2.0	780.0
-211.0	CARBONDALE	SPRINGFIELD	COAL	3.0	802.0

MAPID: 05102952000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.867692 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.148929 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 604.0 LOGGED (FT.): 709.0 LOG TYPE: Electric Log
 SOURCE: LESH, D. B. DRILLING WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
182.0	BOND	CARTHAGE	LIMESTONE	-	422.0
-103.0	CARBONDALE	SPRINGFIELD	COAL	2.0	707.0

MAPID: 05100121000C VERSION: 1

PROJECT: CONTROL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 10 QUARTERS/FOOTAGES: 747' N line, 608' W line of SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.850391 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 39.149645 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 3160.0 LOG TYPE: Survey Sample Study
 SOURCE: CARTER OIL COMPANY WELL TYPE: Oil and Gas Test
 COMMENT: OILWELLS LOGGED BY COAL SECT-LOGS IN GRU

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-			NO RECORD	0.0	0.0

MAPID: 05102956000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 10 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.851379 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.148936 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 632.0 LOGGED (FT.): 1005.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-24.0	CARBONDALE	DANVILLE	COAL	2.0	656.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0		
-367.0	SPOON	ROCK ISLAND	COAL	6.0	999.0	

MAPID: 05103052000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 12 QUARTERS/FOOTAGES: 660' N line, 330' W line
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.823455 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.157162 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-40.0	CARBONDALE	DANVILLE	COAL	-	642.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0		COAL MISSING

MAPID: 05104620000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 12 QUARTERS/FOOTAGES: NW SE NW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.81869 GEOLOGIST: PRUSSEN
 CONFIDENTIAL: N LATITUDE: 39.154428 DATE COLLECTED: 12 / 26 / 1968
 SURFACE ELEVATION (FT.): LOGGED (FT.): 85.8 LOG TYPE: Other Core Study
 SOURCE: REIN, SCHULTZ, & DAHL 4 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			COAL	2.0	26.0	

MAPID: 05104621000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 3E **SECTION:** 12 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.806848 **GEOLOGIST:** PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.145339 **DATE COLLECTED:** 12 / 26 / 1968
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 59.3 **LOG TYPE:** Other Core Study
SOURCE: REIN, SCHULTZ, & DAHL 3 **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			LIMESTONE	15.8	42.9	

MAPID: 05104622000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 3E **SECTION:** 12 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.823432 **GEOLOGIST:** PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.156248 **DATE COLLECTED:** 12 / 26 / 1968
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 85.2 **LOG TYPE:** Other Core Study
SOURCE: REIN, SCHULTZ, & DAHL 2 **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNCLASSIFIED	0.0		TD 85.17' - NO COAL PICKS

MAPID: 05104623000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 8N 3E **SECTION:** 12 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.823348 **GEOLOGIST:** PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.147131 **DATE COLLECTED:** 12 / 26 / 1968
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 75.3 **LOG TYPE:** Other Core Study
SOURCE: REIN, SCHULTZ, & DAHL 1 **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNCLASSIFIED	0.0		TD 75.25' - NO COAL PICKS

MAPID: 05101358000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 13 QUARTERS/FOOTAGES: 50' S line, 50' E line of NW SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.810514 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.13365 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 611.0 LOGGED (FT.): 721.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Water Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
167.0	BOND	CARTHAGE	LIMESTONE	-	444.0
-88.0	CARBONDALE	DANVILLE	COAL	3.0	699.0
-108.0	CARBONDALE	HERRIN	COAL	2.0	719.0

MAPID: 05104054000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 14 QUARTERS/FOOTAGES: 327' N line, 241' W line of SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.832942 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.136224 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 608.0 LOGGED (FT.): 1029.0 LOG TYPE: Electric Log
 SOURCE: WAUSAU PETRO. CORP. WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING
-412.0	SPOON	ROCK ISLAND	COAL	9.0	1020.0

MAPID: 05103158000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 15 QUARTERS/FOOTAGES: 622' S line, 754' W line of NE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.849877 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.138785 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 533.0 LOGGED (FT.): 924.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-30.0	CARBONDALE	DANVILLE	COAL	2.0	563.0
-42.0	CARBONDALE	SPRINGFIELD	COAL	0.5	575.0
-385.0	SPOON	ROCK ISLAND	COAL	6.0	918.0

MAPID: 05104526000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 16 QUARTERS/FOOTAGES: 628' S line, 687' E line of NE SW

QUADRANGLE: BEECHER CITY LONGITUDE: -88.873589 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.135157 DATE COLLECTED:

SURFACE ELEVATION (FT.): 607.0 LOGGED (FT.): 993.0 LOG TYPE: Electric Log

SOURCE: NATURAL GAS PIPELINE CO. WELL TYPE: Observation Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-14.0	CARBONDALE	DANVILLE	COAL	3.0	621.0	
-25.0	CARBONDALE	SPRINGFIELD	COAL	2.0	632.0	
-380.0	SPOON	ROCK ISLAND	COAL	6.0	987.0	

MAPID: 05100230000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' E line

QUADRANGLE: BEECHER CITY LONGITUDE: -88.881526 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.130711 DATE COLLECTED:

SURFACE ELEVATION (FT.): 605.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: CARTER OIL COMPANY WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05103284000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 20 QUARTERS/FOOTAGES: 653' N line, 660' W line of NE SE

QUADRANGLE: AVENA LONGITUDE: -88.88268 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.120715 DATE COLLECTED:

SURFACE ELEVATION (FT.): 596.0 LOGGED (FT.): 962.0 LOG TYPE: Electric Log

SOURCE: CARTER OIL COMPANY WELL TYPE: Observation Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-11.0	CARBONDALE	DANVILLE	COAL	4.0	607.0	
-18.0	CARBONDALE	SPRINGFIELD	COAL	3.0	614.0	
-361.0	SPOON	ROCK ISLAND	COAL	5.0	957.0	

MAPID: 05103293000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 21 QUARTERS/FOOTAGES: 671' S line, 665' E line of NE SW
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.873532 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.120716 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 872.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Gas Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0		COAL MISSING
-298.0	SPOON	ROCK ISLAND	COAL	4.0	868.0	

MAPID: 05100168000C VERSION: 1

PROJECT: CONTROL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 22 QUARTERS/FOOTAGES: 657' N line, 663' W line of SW NE
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.850176 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 39.124343 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 3151.0 LOG TYPE: Survey Sample Study
 SOURCE: CARTER OIL COMPANY 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: 05103369000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 22 QUARTERS/FOOTAGES: 663' N line, 661' E line of SE NW
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.854869 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.124305 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 858.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Gas Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0		COAL MISSING
-326.0	SPOON	ROCK ISLAND	COAL	4.0	854.0	

MAPID: 05103431000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 23 QUARTERS/FOOTAGES: 660' S line, 660' W line
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.840676 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.117136 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0	COAL MISSING

MAPID: 05101462000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 24 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.818534 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.12533 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 613.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: KUYKENDALL W R DRLG WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING

MAPID: 05103506000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 25 QUARTERS/FOOTAGES: 990' S line, 330' W line of NE
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.813797 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.110767 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 615.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: BELDEN, W. L. WELL TYPE: Water Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING

MAPID: 05103516000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.830111 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.107121 DATE COLLECTED:

SURFACE ELEVATION (FT.): 615.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log

SOURCE: RICHARDSON, M. H. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING

MAPID: 05104525000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 27 QUARTERS/FOOTAGES: 22' S line, 77' E line of NW SW

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.857349 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.104345 DATE COLLECTED:

SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 935.0 LOG TYPE: Electric Log

SOURCE: NATURAL GAS PIPELINE CO. WELL TYPE: Service Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	CARBONDALE	DANVILLE	COAL	2.0	624.0	
-33.0	CARBONDALE	SPRINGFIELD	COAL	3.0	635.0	
-330.0	SPOON	ROCK ISLAND	COAL	3.0	932.0	

MAPID: 05103575000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 28 QUARTERS/FOOTAGES: 708' S line, 662' E line of NW SE

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.868806 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.10623 DATE COLLECTED:

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 883.0 LOG TYPE: Electric Log

SOURCE: CARTER OIL COMPANY WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-11.0	CARBONDALE	DANVILLE	COAL	2.0	586.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0		COAL MISSING
-304.0	SPOON	ROCK ISLAND	COAL	4.0	879.0	

MAPID: 05101965000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 29 QUARTERS/FOOTAGES: 390' N line, 330' E line of SW NE

QUADRANGLE: AVENA LONGITUDE: -88.886163 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.110524 DATE COLLECTED:

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 824.0 LOG TYPE: Electric Log

SOURCE: SOCONY MOBIL OIL CO. WELL TYPE: Observation Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
226.0	BOND	CARTHAGE	LIMESTONE	-	305.0
-29.0	CARBONDALE	DANVILLE	COAL	3.0	560.0
-42.0	CARBONDALE	SPRINGFIELD	COAL	2.0	573.0
-290.0	SPOON	ROCK ISLAND	COAL	3.0	821.0

MAPID: 05101884000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE SE

QUADRANGLE: AVENA LONGITUDE: -88.902484 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.103404 DATE COLLECTED:

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 863.0 LOG TYPE: Electric Log

SOURCE: HUMBLE OIL & REF. CO. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
229.0	BOND	CARTHAGE	LIMESTONE	-	302.0
-65.0	CARBONDALE	DANVILLE	COAL	3.0	596.0
-87.0	CARBONDALE	SPRINGFIELD	COAL	4.0	618.0
-329.0	SPOON	ROCK ISLAND	COAL	3.0	860.0

MAPID: 05104498000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 31 QUARTERS/FOOTAGES: 460' S line, 234' E line of NE

QUADRANGLE: AVENA LONGITUDE: -88.899724 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.094613 DATE COLLECTED:

SURFACE ELEVATION (FT.): 606.0 LOGGED (FT.): 940.0 LOG TYPE: Electric Log

SOURCE: NATURAL GAS PIPELINE CO. WELL TYPE: Observation Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-23.0	CARBONDALE	DANVILLE	COAL	3.0	629.0
-43.0	CARBONDALE	SPRINGFIELD	COAL	3.0	649.0
-332.0	SPOON	ROCK ISLAND	COAL	2.0	938.0

MAPID: 05103873000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 32 QUARTERS/FOOTAGES: 660' S line, 660' W line of SE NE
 QUADRANGLE: AVENA LONGITUDE: -88.882639 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.095167 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 594.0 LOGGED (FT.): 906.0 LOG TYPE: Electric Log
 SOURCE: NTRL GAS PIPELINE WELL TYPE: Gas Storage Operational Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-4.0	CARBONDALE	DANVILLE	COAL	3.0	598.0	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-	CARBONDALE	SPRINGFIELD	COAL	0.0		COAL MISSING
-308.0	SPOON	ROCK ISLAND	COAL	4.0	902.0	

MAPID: 05103730000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 33 QUARTERS/FOOTAGES: NE SW SE
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.867604 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.08879 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 938.0 LOG TYPE: Electric Log
 SOURCE: MINERVA OIL CO WELL TYPE: Water Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-21.0	CARBONDALE	DANVILLE	COAL	3.0	623.0	
-32.0	CARBONDALE	HERRIN	COAL	2.0	634.0	
-38.0	CARBONDALE	SPRINGFIELD	COAL	3.0	640.0	
-330.0	SPOON	ROCK ISLAND	COAL	6.0	932.0	

MAPID: 05104499000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 34 QUARTERS/FOOTAGES:
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.852351 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.093352 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 606.0 LOGGED (FT.): 954.0 LOG TYPE: Electric Log
 SOURCE: NATURAL GAS PIPELINE CO. WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	0.0		COAL MISSING
-344.0	SPOON	ROCK ISLAND	COAL	4.0	950.0	

MAPID: 05103949000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.834804 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.090656 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 613.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: VALTER ARNOLD WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING

MAPID: 05103958000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 8N 3E SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NW
 QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.820804 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.09439 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 618.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: SMITH, REYNOLDS & SMITH WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	0.0	COAL MISSING

MAPID: 05101331000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 19 QUARTERS/FOOTAGES: 2310' N line, 330' E line
 QUADRANGLE: RAMSEY LONGITUDE: -89.120433 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.210781 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 643.0 LOGGED (FT.): 733.5 LOG TYPE: Electric Log
 SOURCE: SUN PRODUCTION COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
265.0	BOND	CARTHAGE	LIMESTONE	-	378.0
-69.0	CARBONDALE	HERRIN	COAL	6.0	712.0
-89.0	CARBONDALE	SPRINGFIELD	COAL	1.5	732.0

MAPID: 05101331000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 19 QUARTERS/FOOTAGES: 2310' N line, 330' E line

QUADRANGLE: RAMSEY LONGITUDE: -89.120433 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.210781 DATE COLLECTED:

SURFACE ELEVATION (FT.): 643.0 LOGGED (FT.): 718.0 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	
-23.0	MODESTO	PIASA	LIMESTONE	4.5	666.0	
-27.5	MODESTO		SHALE	12.5	670.5	
-40.0	CARBONDALE	DANVILLE	COAL	2.5	683.0	
-42.5	CARBONDALE		SHALE	9.0	685.5	
-51.5	CARBONDALE		SHALE	4.0	694.5	
-55.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	698.5	LOWER BENCH
-58.0	CARBONDALE	LAWSON	SHALE	3.5	701.0	
-61.5	CARBONDALE	BRERETON	LIMESTONE	6.0	704.5	
-67.5	CARBONDALE	ANNA	SHALE	2.0	710.5	
-69.0	CARBONDALE	HERRIN	COAL	6.0	712.0	

MAPID: 05101330000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: RAMSEY LONGITUDE: -89.099549 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.215989 DATE COLLECTED:

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 757.0 LOG TYPE: Electric Log

SOURCE: DORAN PAUL EST WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
246.0	BOND	CARTHAGE	LIMESTONE	-	399.0	
-91.0	CARBONDALE	HERRIN	COAL	5.0	736.0	
-109.0	CARBONDALE	SPRINGFIELD	COAL	3.0	754.0	

MAPID: 0510133000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 330' W line

QUADRANGLE: RAMSEY LONGITUDE: -89.099549 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.215989 DATE COLLECTED:

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 742.0 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
-31.0	MODESTO	PIASA	LIMESTONE & SHALE	5.0	676.0
-36.0	MODESTO		SHALE	20.0	681.0
-56.0	CARBONDALE	DANVILLE	COAL	2.0	701.0
-58.0	CARBONDALE		SHALE	6.0	703.0
-64.0	CARBONDALE		SHALE	6.0	709.0
-70.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	715.0
-73.5	CARBONDALE	LAWSON	SHALE	14.0	718.5
-87.5	CARBONDALE	BRERETON	LIMESTONE	4.5	732.5
-91.0	CARBONDALE	HERRIN	COAL	6.0	736.0

MAPID: 05101333000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 22 QUARTERS/FOOTAGES: 2310' N line, 2117' W line

QUADRANGLE: RAMSEY LONGITUDE: -89.074492 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.210012 DATE COLLECTED:

SURFACE ELEVATION (FT.): 629.0 LOGGED (FT.): 770.0 LOG TYPE: Electric Log

SOURCE: RUNYON FLOYD L WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
208.0	BOND	CARTHAGE	LIMESTONE	-	421.0
-123.0	CARBONDALE	HERRIN	COAL	2.0	752.0
-139.0	CARBONDALE	SPRINGFIELD	COAL	2.0	768.0

MAPID: 05101333000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 22 QUARTERS/FOOTAGES: 2310' N line, 2117' W line

QUADRANGLE: RAMSEY LONGITUDE: -89.074492 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.210012 DATE COLLECTED:

SURFACE ELEVATION (FT.): 629.0 LOGGED (FT.): 754.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	MODESTO	PIASA	LIMESTONE	5.0	679.0
-55.0	MODESTO		SHALE	30.0	684.0
-85.0	CARBONDALE	DANVILLE	COAL	2.0	714.0
-87.0	CARBONDALE		SHALE	7.0	716.0
-94.0	CARBONDALE		SHALE	6.5	723.0
-100.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	729.5
-103.0	CARBONDALE	LAWSON	SILTY SHALE	11.0	732.0
-114.0	CARBONDALE	JAMESTOWN	BONE COAL	1.0	743.0
-115.0	CARBONDALE		SHALE	1.0	744.0
-116.0	CARBONDALE	BRERETON	LIMESTONE	1.5	745.0
-117.5	CARBONDALE	ANNA	SHALE	2.5	746.5
-120.0	CARBONDALE	HERRIN	COAL	5.5	749.0

MAPID: 05127411000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 24 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: RAMSEY LONGITUDE: -89.036401 GEOLOGIST: E. PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.21292 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 707.0 LOG TYPE: Company map

SOURCE: CARTER OIL 4E-701 WELL TYPE: Coal Test

COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	8.0	699.0

MAPID: 05100152000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 28 QUARTERS/FOOTAGES: 659' N line, 1976' E line

QUADRANGLE: RAMSEY LONGITUDE: -89.089146 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.200361 DATE COLLECTED:

SURFACE ELEVATION (FT.): 629.0 LOGGED (FT.): 776.0 LOG TYPE: Electric Log

SOURCE: NORTHERN ORDNANCE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
207.0	BOND	CARTHAGE	LIMESTONE	-	422.0	
-81.0	CARBONDALE	DANVILLE	COAL	2.0	710.0	
-121.0	CARBONDALE	HERRIN	COAL	7.0	750.0	
-144.0	CARBONDALE	SPRINGFIELD	COAL	3.0	773.0	

MAPID: 05100152000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 28 QUARTERS/FOOTAGES: 659' N line, 1976' E line

QUADRANGLE: RAMSEY LONGITUDE: -89.089146 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.200361 DATE COLLECTED:

SURFACE ELEVATION (FT.): 629.0 LOGGED (FT.): 758.0 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	5.5	680.0	
-56.5	MODESTO		SHALE	24.0	685.5	
-80.5	CARBONDALE	DANVILLE	COAL	3.2	709.5	
-83.7	CARBONDALE		SHALE	3.0	712.7	
-86.7	CARBONDALE	GALUM	LIMESTONE	3.0	715.7	
-89.7	CARBONDALE		SHALE	4.0	718.7	
-93.7	CARBONDALE	BANKSTON FORK	LIMESTONE	5.5	722.7	UPPER BENCH
-99.2	CARBONDALE	BANKSTON FORK	SHALE	4.5	728.2	SHALE PARTING
-103.7	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	732.7	LOWER BENCH
-107.2	CARBONDALE		SHALE	5.5	736.2	
-112.7	CARBONDALE	BRERETON	LIMESTONE	4.0	741.7	
-116.7	CARBONDALE	ANNA	SHALE	4.0	745.7	
-121.0	CARBONDALE	HERRIN	COAL	8.0	750.0	

MAPID: 05100152000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: FAYETTE **TWP/RNG:** 9N 1E **SECTION:** 28 **QUARTERS/FOOTAGES:** 659' N line, 1976' E line
QUADRANGLE: RAMSEY **LONGITUDE:** -89.089146 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 39.200361 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3140.0 **LOG TYPE:** Survey Sample Study
SOURCE: NORTHERN ORDNANCE **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: 05100003000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 9N 1E **SECTION:** 29 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: RAMSEY **LONGITUDE:** -89.111357 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.19437 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 705.0 **LOG TYPE:** Drillers Log
SOURCE: DONK BROS. COAL & COKE **WELL TYPE:** Unsuccessful or Unknown Results
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	387.0	
-	CARBONDALE	DANVILLE	COAL	2.5	649.0	
-	CARBONDALE	HERRIN	COAL	7.0	698.0	

MAPID: 05101309000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 29 QUARTERS/FOOTAGES: SE NW

QUADRANGLE: RAMSEY LONGITUDE: -89.11247 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.197095 DATE COLLECTED:

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 724.7 LOG TYPE: Drillers Log

SOURCE: WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-14.0	MODESTO	PIASA	LIMESTONE	5.5	659.0	
-19.5	MODESTO		DARK GRAY SHALE	22.9	664.5	
-42.4	CARBONDALE	DANVILLE	COAL	3.3	687.4	
-45.7	CARBONDALE		CLAYSTONE	2.0	690.7	
-47.7	CARBONDALE	GALUM	LIMESTONE	2.0	692.7	
-49.7	CARBONDALE		BLACK SHALE	6.1	694.7	
-55.8	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	700.8	UPPER BENCH
-58.8	CARBONDALE	BANKSTON FORK	GRAY SHALE	4.0	703.8	SHALE PARTING
-62.8	CARBONDALE	BANKSTON FORK	LIMESTONE	3.0	707.8	LOWER BENCH
-65.8	CARBONDALE	LAWSON	DARK GRAY SHALE	3.5	710.8	
-69.3	CARBONDALE	JAMESTOWN	BONE COAL	1.3	714.3	
-70.5	CARBONDALE	BRERETON	LIMESTONE	3.2	715.5	
-71.0	CARBONDALE	HERRIN	COAL	8.7	716.0	

MAPID: 05101054000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 30 QUARTERS/FOOTAGES: 42' N line, 30' E line

QUADRANGLE: RAMSEY LONGITUDE: -89.119395 GEOLOGIST: PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.20251 DATE COLLECTED: 6 / 0 / 1945

SURFACE ELEVATION (FT.): 642.0 LOGGED (FT.): 746.2 LOG TYPE: Other Core Study

SOURCE: PEABODY COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-62.8	CARBONDALE	DANVILLE	COAL	3.5	704.8	
-85.8	CARBONDALE	JAMESTOWN	COAL	2.6	727.8	
-98.0	CARBONDALE	HERRIN	BLACK SHALE	1.2	740.0	
-91.5	CARBONDALE	HERRIN	COAL	6.0	733.5	SPLIT
-98.7	CARBONDALE	HERRIN	COAL	2.0	740.7	SPLIT

MAPID: 05101054000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1E SECTION: 30 QUARTERS/FOOTAGES: 42' N line, 30' E line

QUADRANGLE: RAMSEY LONGITUDE: -89.119395 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.20251 DATE COLLECTED:

SURFACE ELEVATION (FT.): 642.0 LOGGED (FT.): 743.2 LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-44.7	MODESTO	PIASA	LIMESTONE	5.0	686.7	
-49.7	MODESTO		DARK GRAY SHALE	13.7	691.7	
-63.3	CARBONDALE	DANVILLE	COAL	3.5	705.3	
-66.8	CARBONDALE		CLAYSTONE	4.0	708.8	
-70.8	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	712.8	LOWER BENCH
-74.3	CARBONDALE	LAWSON	BLACK SHALE	6.0	716.3	
-80.3	CARBONDALE	JAMESTOWN	COAL	2.6	722.3	
-82.9	CARBONDALE	BRERETON	LIMESTONE	0.6	724.9	
-83.5	CARBONDALE	ANNA	BLACK SHALE	2.5	725.5	
-86.0	CARBONDALE	ENERGY	CALCAREOUS SHALE	6.0	728.0	
-92.0	CARBONDALE	HERRIN	COAL	6.0	734.0	
-98.0	CARBONDALE	HERRIN	BLACK SHALE	1.2	740.0	
-99.2	CARBONDALE	HERRIN	COAL	2.0	741.2	

MAPID: 05101265000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 22 QUARTERS/FOOTAGES: 2310' S line, 1650' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.189347 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.209398 DATE COLLECTED:

SURFACE ELEVATION (FT.): 647.0 LOGGED (FT.): 701.0 LOG TYPE: Electric Log

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

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
305.0	BOND	CARTHAGE	LIMESTONE	-	342.0	
-34.0	CARBONDALE	HERRIN	COAL	5.0	681.0	
-53.0	CARBONDALE	SPRINGFIELD	COAL	1.0	700.0	

MAPID: 05101265000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 22 QUARTERS/FOOTAGES: 2310' S line, 1650' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.189347

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.209398

DATE COLLECTED:

SURFACE ELEVATION (FT.): 647.0

LOGGED (FT.): 686.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
13.0	MODESTO	PIASA	LIMESTONE	5.0	634.0	
8.0	MODESTO		SHALE	11.5	639.0	
-3.5	CARBONDALE	DANVILLE	COAL	3.5	650.5	
-7.0	CARBONDALE		SHALE	5.0	654.0	
-12.0	CARBONDALE		SHALE	5.0	659.0	
-17.0	CARBONDALE		SHALE	4.0	664.0	
-21.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	668.0	
-25.0	CARBONDALE	LAWSON	SHALE	5.0	672.0	
-30.0	CARBONDALE	ANNA	SHALE	4.0	677.0	
-34.0	CARBONDALE	HERRIN	COAL	5.0	681.0	

MAPID: 05125466000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 22 QUARTERS/FOOTAGES: 1650' S line, 1980' E line of NW SE

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.188249

GEOLOGIST: PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.211231

DATE COLLECTED: 8 / 14 / 1979

SURFACE ELEVATION (FT.): 648.1

LOGGED (FT.): 892.4

LOG TYPE: Other Core Study

SOURCE: PEABODY COAL CO. 101-C

WELL TYPE: Coal Test

COMMENT: SURVEY CORE STUDY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	DANVILLE	COAL	-	-	ANGLED HOLE- RECOVERED 7FT @ 799.7
-	CARBONDALE	HERRIN	COAL	-	-	ANGLED HOLE- RECOVERED 12.3FT @ 849.2

MAPID: 05101052000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 25 QUARTERS/FOOTAGES: 41' N line, 188' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.157413

GEOLOGIST: PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.202992

DATE COLLECTED: 7 / 0 / 1945

SURFACE ELEVATION (FT.): 646.0

LOGGED (FT.): 683.5

LOG TYPE: Other Core Study

SOURCE: PEABODY COAL CO.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
4.1	CARBONDALE	DANVILLE	COAL	3.2	641.9	
-19.0	CARBONDALE	HERRIN	COAL	0.9	665.0	SPLIT
-22.6	CARBONDALE	HERRIN	COAL	6.0	668.6	SPLIT

MAPID: 05101052000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 25 QUARTERS/FOOTAGES: 41' N line, 188' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.157413

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.202992

DATE COLLECTED:

SURFACE ELEVATION (FT.): 646.0

LOGGED (FT.): 675.0

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO.

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.0	MODESTO	PIASA	LIMESTONE	4.3	624.0	
17.7	MODESTO		DARK GRAY SHALE	13.2	628.3	
4.6	CARBONDALE	DANVILLE	COAL	3.2	641.4	
1.4	CARBONDALE		CLAYSTONE	1.5	644.6	
-0.2	CARBONDALE	GALUM	LIMESTONE	3.3	646.2	
-3.4	CARBONDALE		BLACK SHALE	6.0	649.4	
-9.4	CARBONDALE		MOTTLED SHALE	0.9	655.4	
-10.3	CARBONDALE	BANKSTON FORK	LIMESTONE	0.8	656.3	UPPER BENCH
-11.2	CARBONDALE	BANKSTON FORK	LIMESTONE	6.8	657.2	LOWER BENCH
-18.0	CARBONDALE	LAWSON	GRAY SHALE	0.5	664.0	
-18.5	CARBONDALE	JAMESTOWN	COAL	0.9	664.5	
-19.4	CARBONDALE	ANNA	BLACK SHALE	2.8	665.4	
-23.0	CARBONDALE	HERRIN	COAL	6.0	669.0	

MAPID: 05101231000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 25 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.152232

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.196793

DATE COLLECTED:

SURFACE ELEVATION (FT.): 650.0

LOGGED (FT.): 0.0

LOG TYPE: Electric Log

SOURCE: CALVERT DRILLING, INC.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	SPRINGFIELD	COAL	-	-	COAL THIN

MAPID: 05101067000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 26 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.166155

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.194912

DATE COLLECTED:

SURFACE ELEVATION (FT.): 565.0

LOGGED (FT.): 0.0

LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	SPRINGFIELD	COAL	0.0	-	COAL MISSING

MAPID: 05104635000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 26 QUARTERS/FOOTAGES: 1650' S line, 990' E line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.161576 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.193226 DATE COLLECTED:

SURFACE ELEVATION (FT.): 608.0 LOGGED (FT.): 627.0 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	4.5	574.0	
29.5	MODESTO		SHALE	13.0	578.5	
16.5	CARBONDALE	DANVILLE	COAL	3.0	591.5	
13.5	CARBONDALE		SHALE	2.0	594.5	
11.5	CARBONDALE	GALUM	LIMESTONE	2.5	596.5	
9.0	CARBONDALE		SHALE	8.0	599.0	
1.0	CARBONDALE	BANKSTON FORK	LIMESTONE	1.0	607.0	UPPER BENCH
0.0	CARBONDALE	BANKSTON FORK	SHALE	1.0	608.0	SHALE PARTING
-1.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	609.0	LOWER BENCH
-3.0	CARBONDALE	LAWSON	SHALE	2.5	611.0	
-5.5	CARBONDALE	JAMESTOWN	COAL	1.0	613.5	
-6.5	CARBONDALE		SHALE	3.0	614.5	
-9.5	CARBONDALE	BRERETON	LIMESTONE	0.8	617.5	
-10.3	CARBONDALE	ANNA	SHALE	0.5	618.3	
-13.0	CARBONDALE	HERRIN	COAL	6.0	621.0	

MAPID: 05101053000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 29 QUARTERS/FOOTAGES: 138' N line, 24' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.232361 GEOLOGIST: PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.202504 DATE COLLECTED: 8 / 0 / 1945

SURFACE ELEVATION (FT.): 650.0 LOGGED (FT.): 690.0 LOG TYPE: Other Core Study

SOURCE: PEABODY COAL CO. WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-1.0	CARBONDALE	DANVILLE	COAL	1.1	651.0	
-32.6	CARBONDALE	HERRIN	COAL	7.8	682.6	

MAPID: 05101053000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 29 QUARTERS/FOOTAGES: 138' N line, 24' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.232361

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.202504

DATE COLLECTED:

SURFACE ELEVATION (FT.): 650.0

LOGGED (FT.): 690.8

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO.

WELL TYPE: Coal Test

COMMENT: GOOD DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
13.0	MODESTO	PIASA	LIMESTONE	5.0	637.0
8.0	MODESTO		DARK GRAY SHALE	6.0	642.0
2.0	CARBONDALE	DANVILLE	COAL	1.1	648.0
0.9	CARBONDALE		CLAYSTONE	0.3	649.1
0.6	CARBONDALE		BLACK SHALE	5.0	649.4
-4.4	CARBONDALE	BANKSTON FORK	LIMESTONE	7.3	654.4
-11.6	CARBONDALE	LAWSON	DARK GRAY SHALE	5.3	661.6
-16.9	CARBONDALE	JAMESTOWN	DARK GRAY SHALE	0.3	666.9
-17.2	CARBONDALE	BRERETON	LIMESTONE	7.0	667.2
-24.2	CARBONDALE	ANNA	BLACK SHALE	1.4	674.2
-33.0	CARBONDALE	HERRIN	COAL	7.8	683.0

MAPID: 05101055000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 34 QUARTERS/FOOTAGES: 35' N line, 213' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.194546

GEOLOGIST: PRUSSEN

CONFIDENTIAL: N LATITUDE: 39.188393

DATE COLLECTED: 8 / 0 / 1945

SURFACE ELEVATION (FT.): 654.0

LOGGED (FT.): 667.1

LOG TYPE: Other Core Study

SOURCE: PEABODY COAL CO. 4

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
1.0	CARBONDALE	DANVILLE	COAL	3.2	653.0
-20.7	CARBONDALE	HERRIN	COAL	8.0	674.7

MAPID: 05101055000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 34 QUARTERS/FOOTAGES: 35' N line, 213' W line

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.194546

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.188393

DATE COLLECTED:

SURFACE ELEVATION (FT.): 654.0 LOGGED (FT.): 683.0

LOG TYPE: Survey Core Study

SOURCE: PEABODY COAL CO. 4

WELL TYPE: Coal Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
18.0	MODESTO	PIASA	LIMESTONE	8.0	636.0
10.0	MODESTO		BLACK SHALE	9.0	644.0
1.0	CARBONDALE	DANVILLE	COAL	3.2	653.0
-2.2	CARBONDALE		CLAYSTONE	3.8	656.2
-6.0	CARBONDALE	GALUM	LIMESTONE	2.0	660.0
-8.0	CARBONDALE		BLACK SHALE	5.0	662.0
-13.0	CARBONDALE	JAMESTOWN	DARK GRAY SHALE	1.0	667.0
-14.0	CARBONDALE		CLAYSTONE	1.0	668.0
-15.0	CARBONDALE	ANNA	BLACK SHALE	5.7	669.0
-21.0	CARBONDALE	HERRIN	COAL	8.0	675.0

MAPID: 05101242000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.149712

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.176788

DATE COLLECTED:

SURFACE ELEVATION (FT.): 655.0 LOGGED (FT.): 701.0

LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO.

WELL TYPE: Structure Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
313.0	BOND	CARTHAGE	LIMESTONE	-	342.0
-27.0	CARBONDALE	HERRIN	COAL	6.0	682.0
-44.0	CARBONDALE	SPRINGFIELD	COAL	2.0	699.0

MAPID: 05101311000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 36 QUARTERS/FOOTAGES: NE NW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.151017

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.186796

DATE COLLECTED:

SURFACE ELEVATION (FT.): 634.0 LOGGED (FT.): 687.7

LOG TYPE: Drillers Log

SOURCE: DONK BROS. COAL & COKE

WELL TYPE: Unsuccessful or Unknown Results

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	CARBONDALE	HERRIN	COAL	7.7	680.0

MAPID: 05101311000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 1W SECTION: 36 QUARTERS/FOOTAGES: NE NW

QUADRANGLE: RAMSEY LAKE LONGITUDE: -89.151017 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.186796 DATE COLLECTED:

SURFACE ELEVATION (FT.): 634.0 LOGGED (FT.): 687.7 LOG TYPE: Drillers Log

SOURCE: WELL TYPE: Coal Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
7.0	MODESTO	PIASA	LIMESTONE	3.0	627.0
4.0	MODESTO		DARK GRAY SHALE	18.0	630.0
-14.0	CARBONDALE	DANVILLE	COAL	3.2	648.0
-17.2	CARBONDALE		CLAYSTONE	1.8	651.2
-19.0	CARBONDALE		CALCAREOUS SHALE	7.0	653.0
-26.0	CARBONDALE	LAWSON	CALCAREOUS SHALE	15.0	660.0
-41.0	CARBONDALE	ANNA	BLACK SHALE	4.7	675.0
-46.0	CARBONDALE	HERRIN	COAL	7.7	680.0

MAPID: 05101535000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 25 QUARTERS/FOOTAGES: 2310' S line, 1650' E line

QUADRANGLE: HERRICK LONGITUDE: -88.923109 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.193797 DATE COLLECTED:

SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 724.5 LOG TYPE: Electric Log

SOURCE: REDWINE NASH ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
59.0	BOND	CARTHAGE	LIMESTONE	-	473.0
-119.0	CARBONDALE	DANVILLE	COAL	3.0	651.0
-168.0	CARBONDALE	HERRIN	COAL	4.0	700.0
-191.0	CARBONDALE	SPRINGFIELD	COAL	1.5	723.0

MAPID: 05101535000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 25 QUARTERS/FOOTAGES: 2310' S line, 1650' E line

QUADRANGLE: HERRICK LONGITUDE: -88.923109 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.193797 DATE COLLECTED:

SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 702.0 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
-119.0	MODESTO	PIASA	LIMESTONE	3.0	651.0
-122.0	MODESTO		SHALE	15.0	654.0
-137.0	CARBONDALE	DANVILLE	COAL	2.0	669.0
-139.0	CARBONDALE		SHALE	11.0	671.0
-150.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	682.0
-156.0	CARBONDALE	LAWSON	SHALE	5.0	688.0
-161.0	CARBONDALE	BRERETON	LIMESTONE	1.0	693.0
-162.0	CARBONDALE	ANNA	SHALE	1.0	694.0
-163.0	CARBONDALE	HERRIN	COAL	7.0	695.0

MAPID: 05100605000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 29 QUARTERS/FOOTAGES: 1650' N line, 330' E line

QUADRANGLE: HERRICK LONGITUDE: -88.992985 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.196821 DATE COLLECTED:

SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 841.0 LOG TYPE: Electric Log

SOURCE: KINGWOOD OIL CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
153.0	BOND	CARTHAGE	LIMESTONE	-	449.0
-167.0	CARBONDALE	DANVILLE	COAL	3.0	769.0
-196.0	CARBONDALE	HERRIN	COAL	8.0	798.0
-235.0	CARBONDALE	SPRINGFIELD	COAL	4.0	837.0

MAPID: 05100605000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 29 QUARTERS/FOOTAGES: 1650' N line, 330' E line
 QUADRANGLE: HERRICK LONGITUDE: -88.992985 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 39.196821 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 805.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-169.0	CARBONDALE	DANVILLE	COAL	2.0	771.0
-171.0	CARBONDALE		SHALE	5.0	773.0
-176.0	CARBONDALE		SHALE	5.0	778.0
-181.0	CARBONDALE	BANKSTON FORK	LIMESTONE	6.0	783.0
-187.0	CARBONDALE	LAWSON	SHALE	7.0	789.0
-194.0	CARBONDALE	BRERETON	LIMESTONE	2.0	796.0
-196.0	CARBONDALE	HERRIN	COAL	7.0	798.0

MAPID: 05127412000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 29 QUARTERS/FOOTAGES: SE NE NE
 QUADRANGLE: HERRICK LONGITUDE: -88.992969 GEOLOGIST: E. PRUSSEN
 CONFIDENTIAL: N LATITUDE: 39.19866 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 616.7 LOG TYPE: Company map
 SOURCE: CARTER OIL WF-173 WELL TYPE: Coal Test
 COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	HERRIN	COAL	7.7	609.0

MAPID: 05101536000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 30 QUARTERS/FOOTAGES: 660' N line, 330' E line of SW SW
 QUADRANGLE: RAMSEY LONGITUDE: -89.023335 GEOLOGIST: C TREWORYG
 CONFIDENTIAL: N LATITUDE: 39.188557 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 594.0 LOGGED (FT.): 771.0 LOG TYPE: Electric Log
 SOURCE: TOLER, W. W. DRLG. CORP. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
176.0	BOND	CARTHAGE	LIMESTONE	-	418.0
-121.0	CARBONDALE	DANVILLE	COAL	3.0	715.0
-151.0	CARBONDALE	HERRIN	COAL	6.0	745.0
-173.0	CARBONDALE	SPRINGFIELD	COAL	4.0	767.0

MAPID: 05100001000C VERSION: 2

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 32 QUARTERS/FOOTAGES: 170' N line, 2750' E line

QUADRANGLE: RAMSEY LONGITUDE: -89.00163 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.186335 DATE COLLECTED:

SURFACE ELEVATION (FT.): 522.0 LOGGED (FT.): 730.5 LOG TYPE: Drillers Log

SOURCE: HOFFMAN BROS WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-147.0	CARBONDALE	DANVILLE	COAL	2.8	669.0
-180.0	CARBONDALE	HERRIN	COAL	7.1	702.0
-206.0	CARBONDALE	SPRINGFIELD	COAL	2.5	728.0

MAPID: 05100001000C VERSION: 3

PROJECT: ROOF STUDY

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 32 QUARTERS/FOOTAGES: 170' N line, 2750' E line

QUADRANGLE: RAMSEY LONGITUDE: -89.00163 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.186335 DATE COLLECTED:

SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 709.1 LOG TYPE: Drillers Log

SOURCE: WELL TYPE: Coal Test

COMMENT: POOR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-146.2	CARBONDALE	DANVILLE	COAL	2.8	669.2
-149.0	CARBONDALE		CLAYSTONE	9.0	672.0
-158.0	CARBONDALE		BLACK SHALE	4.7	681.0
-162.7	CARBONDALE	BANKSTON FORK	LIMESTONE W/ SHALE	8.4	685.7
-171.1	CARBONDALE	LAWSON	BLACK SHALE	5.9	694.1
-177.0	CARBONDALE	BRERETON	LIMESTONE	0.5	700.0
-177.5	CARBONDALE	ANNA	CALCAREOUS SANDSTONE	1.5	700.5
-179.0	CARBONDALE	HERRIN	COAL	7.1	702.0

MAPID: 05101537000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 2E SECTION: 32 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE
 QUADRANGLE: HERRICK LONGITUDE: -89.000028 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.173108 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 776.0 LOG TYPE: Electric Log
 SOURCE: TEXACO, INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
167.0	BOND	CARTHAGE	LIMESTONE	-	418.0
-130.0	CARBONDALE	DANVILLE	COAL	3.0	715.0
-163.0	CARBONDALE	HERRIN	COAL	7.0	748.0
-188.0	CARBONDALE	SPRINGFIELD	COAL	3.0	773.0

MAPID: 05103963000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 3E SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.806562 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.20652 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 609.0 LOGGED (FT.): 720.0 LOG TYPE: Drillers Log
 SOURCE: DOTY ADOS WELL TYPE: Water Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
193.0	BOND	CARTHAGE	LIMESTONE	-	416.0
-85.0	CARBONDALE	HERRIN	COAL	3.0	694.0
-107.0	CARBONDALE	SPRINGFIELD	COAL	4.0	716.0

MAPID: 05101638000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 3E SECTION: 25 QUARTERS/FOOTAGES: 660' S line, 660' E line of NE SW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.817116 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.192812 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 613.0 LOGGED (FT.): 674.0 LOG TYPE: Electric Log
 SOURCE: LARSEN ARTHUR WELL TYPE: Observation Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-36.0	CARBONDALE	DANVILLE	COAL	3.0	649.0
-47.0	CARBONDALE	HERRIN	COAL	1.0	660.0
-58.0	CARBONDALE	SPRINGFIELD	COAL	3.0	671.0

MAPID: 05125004000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 9N 3E **SECTION:** 26 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.834613 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.188242 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 613.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: LEWIS, DONALD L. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	CARBONDALE	SPRINGFIELD	COAL	-	COAL THIN

MAPID: 05101542000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 9N 3E **SECTION:** 28 **QUARTERS/FOOTAGES:** 330' N line, 380' W line of SW SE
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.869433 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.190122 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 584.0 **LOGGED (FT.):** 775.0 **LOG TYPE:** Electric Log
SOURCE: KAUFMAN, E.H. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-191.0	CARBONDALE	SPRINGFIELD	COAL	-	775.0

MAPID: 05124853000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 9N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE SW
QUADRANGLE: HERRICK **LONGITUDE:** -88.892982 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.188372 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 1031.0 **LOG TYPE:** Electric Log
SOURCE: PHILLIPS PETROLEUM CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-162.0	CARBONDALE	DANVILLE	COAL	3.0	679.0
-188.0	CARBONDALE	HERRIN	COAL	9.0	705.0
-214.0	CARBONDALE	SPRINGFIELD	COAL	1.0	731.0
-510.0	SPOON	ROCK ISLAND	COAL	4.0	1027.0

MAPID: 05127413000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 9N 3E **SECTION:** 29 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: HERRICK **LONGITUDE:** -88.895334 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.188376 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 702.8 **LOG TYPE:** Company map
SOURCE: CARTER OIL 4E-708 **WELL TYPE:** Coal Test
COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	7.8	695.0	

MAPID: 05127414000C **VERSION:** 1 **PROJECT:** EIA-DOE
COUNTY: FAYETTE **TWP/RNG:** 9N 3E **SECTION:** 30 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: HERRICK **LONGITUDE:** -88.916085 **GEOLOGIST:** E. PRUSSEN
CONFIDENTIAL: N **LATITUDE:** 39.201117 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 772.2 **LOG TYPE:** Company map
SOURCE: CARTER OIL WF-174 **WELL TYPE:** Coal Test
COMMENT: LOCATION,DATA FROM HERRICK A,B,C,D&E MAP

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	CARBONDALE	HERRIN	COAL	8.2	764.0	

MAPID: 05104012000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 9N 3E **SECTION:** 31 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: HERRICK **LONGITUDE:** -88.916112 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.179291 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 586.0 **LOGGED (FT.):** 819.0 **LOG TYPE:** Electric Log
SOURCE: UHLRICH & POGUE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-230.0	CARBONDALE	SPRINGFIELD	COAL	3.0	816.0	

MAPID: 05100304000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: FAYETTE **TWP/RNG:** 9N 3E **SECTION:** 34 **QUARTERS/FOOTAGES:** 100' S line, 100' E line of NE
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.843144 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.180262 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 613.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: TRUITT C S **WELL TYPE:** Dry Hole
COMMENT:

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

MAPID: 05124977000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 3E SECTION: 35 QUARTERS/FOOTAGES: 370' S line, 330' E line of NW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.834617 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.181012 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 611.0 LOGGED (FT.): 0.0 LOG TYPE: Electric Log
 SOURCE: BELDEN, W. L. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-	CARBONDALE	SPRINGFIELD	COAL	-		COAL THIN

MAPID: 05101545000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: FAYETTE TWP/RNG: 9N 3E SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.811268 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.180876 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 639.0 LOGGED (FT.): 709.0 LOG TYPE: Electric Log
 SOURCE: LARSEN ARTHUR WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-51.0	CARBONDALE	DANVILLE	COAL	2.0	690.0	
-69.0	CARBONDALE	SPRINGFIELD	COAL	1.0	708.0	