

Status Report



Total Records: 1143

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
Clay	1143	Electric Log	433	HERRIN	1003	CARTHAGE LIMESTONE	1010
		Survey Sample Study	17	SPRINGFIELD	917	HERRIN COAL	1003
		Drillers Log	4	SEELYVILLE	14	SPRINGFIELD COAL	917

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
CARTHAGE	LIMESTONE	619.5	511.0	772.0	-	-	-
WEST FRANKLIN	LIMESTONE	813.4	680.0	930.0	-	-	-
HERRIN	COAL	989.5	813.0	1156.0	2.4	1.0	4.5
SPRINGFIELD	COAL	1054.0	848.0	1202.0	3.3	1.0	6.0
COLCHESTER	COAL	1232.7	1080.0	1294.0	-	-	-
SEELYVILLE	COAL	1357.4	1296.0	1438.0	3.2	2.0	5.0
				Net Coal	8.9		

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: 02500560000C VERSION: 1 PROJECT: CIRC 164
COUNTY: CLAY TWP/RNG: 2N 5E SECTION: 1 QUARTERS/FOOTAGES: NE SE NW
QUADRANGLE: XENIA NE LONGITUDE: -88.594457 GEOLOGIST:
CONFIDENTIAL: N LATITUDE: 38.646366 DATE COLLECTED: 0 / 0 / 1946
SURFACE ELEVATION (FT.): 513.0 LOGGED (FT.): 2973.0 LOG TYPE:
SOURCE: WAYNE DRC, KIRKPTRK L 1 WELL TYPE: Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
-64.0	BOND	CARTHAGE	LIMESTONE	-	577.0	
-451.0	CARBONDALE	HERRIN	COAL	-	964.0	

MAPID: 02501126000C VERSION: 1 PROJECT: CGT-SCILL
COUNTY: CLAY TWP/RNG: 2N 5E SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 370' E line of NW NW
QUADRANGLE: XENIA NE LONGITUDE: -88.59921 GEOLOGIST: C TREWORYG
CONFIDENTIAL: N LATITUDE: 38.649978 DATE COLLECTED:
SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 1034.0 LOG TYPE: Electric Log
SOURCE: HOLSAPPLE & BRYSON OIL WELL TYPE: Service Well
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
-63.0	BOND	CARTHAGE	LIMESTONE	-	590.0	
-504.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1031.0	ROOF: 1'ST.D

MAPID: 02502029000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.603768 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.644467 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 1038.0 **LOG TYPE:** Electric Log
SOURCE: DAYTON WARD W **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-75.0	BOND	CARTHAGE	LIMESTONE	-	594.0	
-515.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1034.0	ROOF: SH

MAPID: 02500025000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: XENIA **LONGITUDE:** -88.640668 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.647745 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 5430.0 **LOG TYPE:**
SOURCE: CARTER OC, WALKER IDA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-92.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-510.0	CARBONDALE	HERRIN	COAL	2.5	1053.0	
-572.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1115.0	
-1335.0	BASE OF PENN.		UNCLASSIFIED	-	1878.0	

MAPID: 02500025000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: XENIA **LONGITUDE:** -88.640668 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.647745 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 3097.0 **LOG TYPE:**
SOURCE: CARTER OC, WALKER IDA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-92.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-510.0	CARBONDALE	HERRIN	COAL	2.5	1053.0	

MAPID: 02500025000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: XENIA **LONGITUDE:** -88.640668 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.647745 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 1120.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-573.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1116.0	

MAPID: 02500025000C **VERSION:** 4 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: XENIA **LONGITUDE:** -88.640668 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.647745 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3097.0 **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: 02500340000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.657 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.638442 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 541.0 **LOGGED (FT.):** 5410.0 **LOG TYPE:**
SOURCE: CARTER OC, KELLER A M0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	572.0	
-319.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	860.0	
-442.0	CARBONDALE	HERRIN	COAL	1.5	983.0	
-501.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1042.0	
-1272.0	BASE OF PENN.		UNCLASSIFIED	-	1813.0	

MAPID: 02500340000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.657 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.638442 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 541.0 **LOGGED (FT.):** 3003.0 **LOG TYPE:**
SOURCE: CARTER OC, KELLER A M0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	572.0	
-442.0	CARBONDALE	HERRIN	COAL	1.5	983.0	

MAPID: 02504182000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** 660' S line, 660' W line of SW
QUADRANGLE: XENIA **LONGITUDE:** -88.655825 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.637536 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 543.0 **LOGGED (FT.):** 1045.0 **LOG TYPE:** Electric Log
SOURCE: TROOP, R. H. ETAL **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-29.0	BOND	CARTHAGE	LIMESTONE	-	572.0	
-498.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1041.0	ROOF: SH

MAPID: 02500097000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 5 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.663989 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.636551 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 542.0 **LOGGED (FT.):** 5420.0 **LOG TYPE:**
SOURCE: NRTHRN ORD, SAPP J E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-34.0	BOND	CARTHAGE	LIMESTONE	-	576.0	
-323.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	865.0	
-445.0	CARBONDALE	HERRIN	COAL	2.5	987.0	
-510.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1052.0	
-1273.0	BASE OF PENN.		UNCLASSIFIED	-	1815.0	

MAPID: 02500097000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 5 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.663989 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.636551 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 542.0 **LOGGED (FT.):** 4697.0 **LOG TYPE:**
SOURCE: NRTHRN ORD, SAPP J E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-34.0	BOND	CARTHAGE	LIMESTONE	-	576.0	
-445.0	CARBONDALE	HERRIN	COAL	2.5	987.0	

MAPID: 02501036000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.673342 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.636472 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:** Electric Log
SOURCE: PARKER G C **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-52.0	BOND	CARTHAGE	LIMESTONE	-	592.0	
-516.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1056.0	ROOF: 4SH

MAPID: 02500002000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 7 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: XENIA **LONGITUDE:** -88.678211 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.63096 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 545.0 **LOGGED (FT.):** 5450.0 **LOG TYPE:**
SOURCE: ROBINSON C, BRYANT 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-61.0	BOND	CARTHAGE	LIMESTONE	-	606.0	
-340.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	885.0	
-515.0	CARBONDALE	SPRINGFIELD	COAL	-	1060.0	
-1294.0	BASE OF PENN.		UNCLASSIFIED	-	1839.0	

MAPID: 02500002000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 7 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: XENIA **LONGITUDE:** -88.678211 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.63096 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 545.0 **LOGGED (FT.):** 3015.0 **LOG TYPE:**
SOURCE: ROBINSON C, BRYANT 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-61.0	BOND	CARTHAGE	LIMESTONE	-	606.0	

MAPID: 02500037000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 8 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.666366 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.625602 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: DELK CORP, NEWMAN A L0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-70.0	BOND	CARTHAGE	LIMESTONE	-	603.0	
-473.0	CARBONDALE	HERRIN	COAL	1.5	1006.0	
-541.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1074.0	
-1313.0	BASE OF PENN.		UNCLASSIFIED	-	1846.0	

MAPID: 02500037000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 8 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.666366 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.625602 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 3071.0 **LOG TYPE:**
SOURCE: DELK CORP, NEWMAN A L0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-70.0	BOND	CARTHAGE	LIMESTONE	-	603.0	
-473.0	CARBONDALE	HERRIN	COAL	1.5	1006.0	

MAPID: 02500037000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 5E

SECTION: 8

QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: XENIA

LONGITUDE: -88.666366

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.625602

DATE COLLECTED:

SURFACE ELEVATION (FT.): 533.0

LOGGED (FT.): 1078.0

LOG TYPE: Electric Log

SOURCE: DELK INVEST CORP

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-71.0	BOND	CARTHAGE	LIMESTONE	-	604.0	
-541.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1074.0	ROOF: 3'SH

MAPID: 02500027000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 2N 5E

SECTION: 9

QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: XENIA

LONGITUDE: -88.652355

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.634843

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 520.0

LOGGED (FT.): 5200.0

LOG TYPE:

SOURCE: CARTER OC, CAMPBELL H0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-58.0	BOND	CARTHAGE	LIMESTONE	-	578.0	
-463.0	CARBONDALE	HERRIN	COAL	2.5	983.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1046.0	
-1275.0	BASE OF PENN.		UNCLASSIFIED	-	1795.0	

MAPID: 02500027000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 2N 5E

SECTION: 9

QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: XENIA

LONGITUDE: -88.652355

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.634843

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 520.0

LOGGED (FT.): 2991.0

LOG TYPE:

SOURCE: CARTER OC, CAMPBELL H0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-58.0	BOND	CARTHAGE	LIMESTONE	-	578.0	
-463.0	CARBONDALE	HERRIN	COAL	2.5	983.0	

MAPID: 02500027000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: XENIA **LONGITUDE:** -88.652355 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.634843 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 1056.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-56.0	BOND	CARTHAGE	LIMESTONE	-	576.0	
-533.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1053.0	ROOF: 1'SH, 3'ST.D

MAPID: 02500563000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NW NE
QUADRANGLE: XENIA **LONGITUDE:** -88.626958 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.635157 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 1072.0 **LOG TYPE:** Electric Log
SOURCE: HED OIL CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	-	596.0	
-544.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1068.0	

MAPID: 02500534000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.617767 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.626112 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 5260.0 **LOG TYPE:**
SOURCE: LYNN J J, CAMPBELL 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-459.0	CARBONDALE	HERRIN	COAL	-	985.0	
-519.0	CARBONDALE	SPRINGFIELD	COAL	-	1045.0	
-1314.0	BASE OF PENN.		UNCLASSIFIED	-	1840.0	

MAPID: 02500534000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.617767 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.626112 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 3004.0 **LOG TYPE:**
SOURCE: LYNN J J, CAMPBELL 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-52.0	BOND	CARTHAGE	LIMESTONE	-	578.0
-459.0	CARBONDALE	HERRIN	COAL	-	985.0

MAPID: 02502033000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** 660' S line, 330' E line of SW SE
QUADRANGLE: JOHNSONVILLE **LONGITUDE:** -88.608576 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.623438 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 508.0 **LOGGED (FT.):** 1007.0 **LOG TYPE:** Electric Log
SOURCE: DAYTON WARD W **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-26.0	BOND	CARTHAGE	LIMESTONE	-	534.0
-496.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1004.0

MAPID: 02500026000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 12 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.587657 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.633637 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: SNCLR WYOM, ROSE E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-72.0	BOND	CARTHAGE	LIMESTONE	-	604.0
-474.0	CARBONDALE	HERRIN	COAL	1.0	1006.0
-543.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1075.0
-1404.0	BASE OF PENN.		UNCLASSIFIED	-	1936.0

MAPID: 02500026000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 12 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.587657 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.633637 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 3110.0 **LOG TYPE:**
SOURCE: SNCLR WYOM, ROSE E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	-	604.0	
-474.0	CARBONDALE	HERRIN	COAL	1.0	1006.0	

MAPID: 02500026000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 12 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.587657 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.633637 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 1078.0 **LOG TYPE:** Electric Log
SOURCE: SINCLAIR WYOMING OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-67.0	BOND	CARTHAGE	LIMESTONE	-	602.0	
-540.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1075.0	ROOF: 2SH, 32SS

MAPID: 02500561000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NE SE
QUADRANGLE: JOHNSONVILLE **LONGITUDE:** -88.604075 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.61168 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 512.0 **LOGGED (FT.):** 3051.0 **LOG TYPE:**
SOURCE: REZNICK J, REAUGH M 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-38.0	BOND	CARTHAGE	LIMESTONE	-	550.0	
-457.0	CARBONDALE	HERRIN	COAL	-	969.0	

MAPID: 02501475000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW
QUADRANGLE: JOHNSONVILLE **LONGITUDE:** -88.61321 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.620666 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 1041.0 **LOG TYPE:** Electric Log
SOURCE: JET OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-49.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-516.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1037.0	ROOF: 6'SH, 7'SS

MAPID: 02500562000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SE NE
QUADRANGLE: JOHNSONVILLE **LONGITUDE:** -88.622481 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.61511 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 1080.0 **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	
-	BOND	CARTHAGE	LIMESTONE	-	600.0	
-	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	ROOF: 4'BK SH

MAPID: 02500562000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SE NE
QUADRANGLE: JOHNSONVILLE **LONGITUDE:** -88.622481 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.61511 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 3000.0 **LOG TYPE:**
SOURCE: HEATH B M, SONGER IRA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-70.0	BOND	CARTHAGE	LIMESTONE	-	598.0	
-487.0	CARBONDALE	HERRIN	COAL	-	1015.0	

MAPID: 02501216000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 330' E line
QUADRANGLE: ORCHARDVILLE **LONGITUDE:** -88.640882 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.620386 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 1102.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-94.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-558.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1098.0	

MAPID: 02501217000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE
QUADRANGLE: ORCHARDVILLE **LONGITUDE:** -88.666514 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.607293 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 516.0 **LOGGED (FT.):** 1050.0 **LOG TYPE:** Electric Log
SOURCE: FULK OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-54.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-530.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1046.0	ROOF: 2SH, 2ST.D

MAPID: 02500341000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 5E **SECTION:** 18 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: ORCHARDVILLE **LONGITUDE:** -88.696959 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.606989 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: GULF REF, YOUNG P 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	BOND	CARTHAGE	LIMESTONE	-	573.0	
-428.0	CARBONDALE	HERRIN	COAL	2.0	958.0	
-487.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1017.0	
-1304.0	BASE OF PENN.		UNCLASSIFIED	-	1834.0	

MAPID: 02500341000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 2N 5E

SECTION: 18

QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: ORCHARDVILLE

LONGITUDE: -88.696959

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.606989

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0

LOGGED (FT.): 3052.0

LOG TYPE:

SOURCE: GULF REF, YOUNG P 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	BOND	CARTHAGE	LIMESTONE	-	573.0	
-428.0	CARBONDALE	HERRIN	COAL	2.0	958.0	

MAPID: 02500341000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 5E

SECTION: 18

QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: ORCHARDVILLE

LONGITUDE: -88.696959

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.606989

DATE COLLECTED:

SURFACE ELEVATION (FT.): 530.0

LOGGED (FT.): 1018.0

LOG TYPE: Electric Log

SOURCE: GULF REFINING CO.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-44.0	BOND	CARTHAGE	LIMESTONE	-	574.0	
-484.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1014.0	

MAPID: 02500338000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 6E

SECTION: 1

QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: FLORA

LONGITUDE: -88.478358

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.640229

DATE COLLECTED:

SURFACE ELEVATION (FT.): 474.0

LOGGED (FT.): 1148.0

LOG TYPE: Electric Log

SOURCE: GIBSON A H

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-182.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-610.0	CARBONDALE	HERRIN	COAL	-	1084.0	
-670.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1144.0	ROOF: 1'ST.D

MAPID: 02500338000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 1 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.478358 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.640229 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 4740.0 **LOG TYPE:**
SOURCE: GIBSON A H, VALBERT 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	655.0	
-614.0	CARBONDALE	HERRIN	COAL	1.0	1088.0	
-671.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1145.0	
-1564.0	BASE OF PENN.		UNCLASSIFIED	-	2038.0	

MAPID: 02500338000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 1 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.478358 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.640229 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3192.0 **LOG TYPE:** Survey Sample Study
SOURCE: GIBSON A H **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: 02501503000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 2 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.492318 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.647991 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 1137.0 **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	
-178.0	BOND	CARTHAGE	LIMESTONE	-	662.0	
-587.0	CARBONDALE	HERRIN	COAL	-	1071.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1132.0	ROOF: 5'DK SH

MAPID: 02502049000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' N line, 660' W line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.533382 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.6491 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 486.0 **LOGGED (FT.):** 1093.0 **LOG TYPE:** Electric Log
SOURCE: GEORGE & WRATHER OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-124.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-534.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-602.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1088.0	ROOF: 6DK SH

MAPID: 02500403000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 5 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.558126 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.644218 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 1074.0 **LOG TYPE:** Electric Log
SOURCE: SINCLAIR WYOMING OIL **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-554.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1072.0	ROOF: SS

MAPID: 02500403000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 5 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.558126 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.644218 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 5180.0 **LOG TYPE:**
SOURCE: SNCLR WYOM, HAUPT L C 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-74.0	BOND	CARTHAGE	LIMESTONE	-	592.0	
-480.0	CARBONDALE	HERRIN	COAL	2.5	998.0	
-554.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1072.0	
-1460.0	BASE OF PENN.		UNCLASSIFIED	-	1978.0	

MAPID: 02500403000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 5 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.558126 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.644218 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3210.0 **LOG TYPE:** Survey Sample Study
SOURCE: SINCLAIR WYOMING OIL **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: 02502058000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.54625 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.64406 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 1070.0 **LOG TYPE:** Electric Log
SOURCE: GLASS, THEO G. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-71.0	BOND	CARTHAGE	LIMESTONE	-	588.0	
-487.0	CARBONDALE	HERRIN	COAL	-	1004.0	
-550.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1067.0	ROOF: 10SS

MAPID: 02501219000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.570233 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.628021 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 502.0 **LOGGED (FT.):** 1057.0 **LOG TYPE:** Electric Log
SOURCE: CARTER OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-77.0	BOND	CARTHAGE	LIMESTONE	-	579.0	
-483.0	CARBONDALE	HERRIN	COAL	-	985.0	
-550.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1052.0	ROOF: 7SH

MAPID: 02501220000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 6E SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: XENIA NE LONGITUDE: -88.555766 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.627843 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 1036.0 LOG TYPE: Electric Log
 SOURCE: EDWARDS HALL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-67.0	BOND	CARTHAGE	LIMESTONE	-	553.0	
-484.0	CARBONDALE	HERRIN	COAL	-	970.0	
-546.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1032.0	ROOF: 1'SH, 2'ST.D

MAPID: 02502060000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 6E SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SE
 QUADRANGLE: CISNE LONGITUDE: -88.497359 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.624304 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 1103.0 LOG TYPE: Electric Log
 SOURCE: MACDONELL CO. OF LIMA WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-174.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-592.0	CARBONDALE	HERRIN	COAL	-	1038.0	
-654.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1100.0	ROOF: 4'ST.D

MAPID: 02500339000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 6E SECTION: 12 QUARTERS/FOOTAGES: NW SE SW
 QUADRANGLE: CISNE LONGITUDE: -88.483126 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.622082 DATE COLLECTED: 0 / 0 / 1937
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 4650.0 LOG TYPE:
 SOURCE: BNDM&TREES, VALBERT A 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-165.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-420.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	885.0	
-620.0	CARBONDALE	HERRIN	COAL	-	1085.0	
-685.0	CARBONDALE	SPRINGFIELD	COAL	-	1150.0	
-1545.0	BASE OF PENN.		UNCLASSIFIED	-	2010.0	

MAPID: 02500912000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW
QUADRANGLE: FLORA **LONGITUDE:** -88.487843 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.627741 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 1138.0 **LOG TYPE:** Electric Log
SOURCE: IN FARM BUR. COOP. ASSOC **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-178.0	BOND	CARTHAGE	LIMESTONE	-	647.0	
-605.0	CARBONDALE	HERRIN	COAL	-	1074.0	
-666.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1135.0	ROOF: 3ST.D

MAPID: 02500671000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW
QUADRANGLE: CISNE **LONGITUDE:** -88.48791 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.613062 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1115.0 **LOG TYPE:** Electric Log
SOURCE: MCINTYRE, PAUL J. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-163.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-584.0	CARBONDALE	HERRIN	COAL	-	1049.0	
-645.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1110.0	ROOF: 1ST.D

MAPID: 02501222000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 6E **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NW
QUADRANGLE: JOHNSONVILLE **LONGITUDE:** -88.504464 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.619009 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 463.0 **LOGGED (FT.):** 1116.0 **LOG TYPE:** Electric Log
SOURCE: BIPPUS, FRED **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-160.0	BOND	CARTHAGE	LIMESTONE	-	623.0	
-586.0	CARBONDALE	HERRIN	COAL	-	1049.0	
-649.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1112.0	ROOF: 2ST.D

MAPID: 02502064000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 6E SECTION: 15 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SW
 QUADRANGLE: JOHNSONVILLE LONGITUDE: -88.521023 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.606638 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 1151.0 LOG TYPE: Electric Log
 SOURCE: BAINES, DON DRLG. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.0	BOND	CARTHAGE	LIMESTONE	-	654.0	
-593.0	CARBONDALE	HERRIN	COAL	-	1077.0	
-663.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1147.0	ROOF: 2ST.D

MAPID: 02500567000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 6E SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW
 QUADRANGLE: JOHNSONVILLE LONGITUDE: -88.537193 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.614548 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 1127.0 LOG TYPE: Electric Log
 SOURCE: BENSON, COMER W. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1054.0	
-638.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1123.0	ROOF: 3ST.D

MAPID: 02500566000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 6E SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: JOHNSONVILLE LONGITUDE: -88.555858 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.613197 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 1078.0 LOG TYPE: Electric Log
 SOURCE: RYAN OIL CO., ETAL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-104.0	BOND	CARTHAGE	LIMESTONE	-	594.0	
-524.0	CARBONDALE	HERRIN	COAL	-	1014.0	
-584.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1074.0	ROOF: 1ST.D

MAPID: 02501224000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: CLAY CITY LONGITUDE: -88.3672 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.636587 DATE COLLECTED:

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 1155.0 LOG TYPE: Electric Log

SOURCE: DAVIS ALVA C PETRO WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-624.0	CARBONDALE	HERRIN	COAL	-	1090.0	
-685.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1151.0	ROOF: 2ST.D

MAPID: 02500324000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 2 QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: FLORA LONGITUDE: -88.392535 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.644239 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 4470.0 LOG TYPE:

SOURCE: SANDERS J, BISSEY J 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-193.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-367.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	814.0	
-579.0	CARBONDALE	HERRIN	COAL	2.0	1026.0	
-639.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1086.0	
-1716.0	BASE OF PENN.		UNCLASSIFIED	-	2163.0	

MAPID: 02501782000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: FLORA LONGITUDE: -88.390307 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.638566 DATE COLLECTED:

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 1116.0 LOG TYPE: Electric Log

SOURCE: FULK, PERRY, ETAL WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-214.0	BOND	CARTHAGE	LIMESTONE	-	666.0	
-601.0	CARBONDALE	HERRIN	COAL	-	1053.0	
-659.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1111.0	ROOF: 6SH

MAPID: 02500401000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.415812 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.640746 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 4430.0 **LOG TYPE:**
SOURCE: AMER MIN S, MCALLISTER0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-205.0	BOND	CARTHAGE	LIMESTONE	-	648.0	
-391.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	834.0	
-599.0	CARBONDALE	HERRIN	COAL	1.0	1042.0	
-653.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1096.0	
-1537.0	BASE OF PENN.		UNCLASSIFIED	-	1980.0	

MAPID: 02500489000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.415801 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.64267 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 425.0 **LOGGED (FT.):** 4250.0 **LOG TYPE:**
SOURCE: AMER MIN S, MCALLISTER0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-207.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-395.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	820.0	
-600.0	CARBONDALE	HERRIN	COAL	1.5	1025.0	
-649.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1074.0	
-1545.0	BASE OF PENN.		UNCLASSIFIED	-	1970.0	

MAPID: 02501376000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' N line, 990' E line of NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.408724 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.646433 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 1085.0 **LOG TYPE:** Electric Log
SOURCE: COVINGTON MURVIN OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-193.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-583.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-644.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1081.0	ROOF: 7SH

MAPID: 02501225000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.434471 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.643006 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 454.0 **LOGGED (FT.):** 1113.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-199.0	BOND	CARTHAGE	LIMESTONE	-	653.0	
-599.0	CARBONDALE	HERRIN	COAL	-	1053.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1109.0	ROOF: 4SH

MAPID: 02500325000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.44632 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.633799 **DATE COLLECTED:** 0 / 0 / 1936
SURFACE ELEVATION (FT.): 437.6 **LOGGED (FT.):** 4376.0 **LOG TYPE:**
SOURCE: SMITH ETAL, GRAHAM C 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.4	BOND	CARTHAGE	LIMESTONE	-	608.0	
-582.4	CARBONDALE	HERRIN	COAL	3.0	1020.0	
-642.4	CARBONDALE	SPRINGFIELD	COAL	2.0	1080.0	

MAPID: 02501418000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.448653 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.635756 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 1103.0 **LOG TYPE:** Electric Log
SOURCE: SHULMAN BROS. INC. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-179.0	BOND	CARTHAGE	LIMESTONE	-	625.0	
-598.0	CARBONDALE	HERRIN	COAL	-	1044.0	
-654.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1100.0	ROOF: 3ST.D, 6SH, 25SS

MAPID: 02501155000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 6 QUARTERS/FOOTAGES: 990' S line, 330' E line of NE

QUADRANGLE: FLORA LONGITUDE: -88.458046 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.643331 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 1129.0 LOG TYPE: Electric Log

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

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-184.0	BOND	CARTHAGE	LIMESTONE	-	645.0	
-595.0	CARBONDALE	HERRIN	COAL	-	1056.0	
-664.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1125.0	ROOF: 2SH, 45'SS

MAPID: 02501226000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 7 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE

QUADRANGLE: CISNE LONGITUDE: -88.458335 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.621207 DATE COLLECTED:

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 1140.0 LOG TYPE: Electric Log

SOURCE: DUNCAN, N. V., EST. OF WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-189.0	BOND	CARTHAGE	LIMESTONE	-	641.0	
-626.0	CARBONDALE	HERRIN	COAL	-	1078.0	
-684.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1136.0	ROOF: 2ST.D

MAPID: 02501680000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: FLORA LONGITUDE: -88.44166 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.629949 DATE COLLECTED:

SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 1117.0 LOG TYPE: Electric Log

SOURCE: ZANETIS,JOHN M.ESTATE OF WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-186.0	BOND	CARTHAGE	LIMESTONE	-	641.0	
-591.0	CARBONDALE	HERRIN	COAL	-	1046.0	
-657.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1112.0	ROOF: 1'SH, 4'ST.D

MAPID: 02501612000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: FLORA **LONGITUDE:** -88.429929 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.625959 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 1094.0 **LOG TYPE:** Electric Log
SOURCE: E CENTRAL DEVELOP CO **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-173.0	BOND	CARTHAGE	LIMESTONE	-	623.0	
-583.0	CARBONDALE	HERRIN	COAL	-	1033.0	
-640.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1090.0	ROOF: 4DK SH

MAPID: 02500109000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.406632 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.63109 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 430.0 **LOGGED (FT.):** 1075.0 **LOG TYPE:** Electric Log
SOURCE: PURE OIL CO. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-640.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1070.0	ROOF: SH

MAPID: 02500109000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.406632 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.63109 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 430.0 **LOGGED (FT.):** 4300.0 **LOG TYPE:**
SOURCE: PURE OC, BAYLER P 00A1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-192.0	BOND	CARTHAGE	LIMESTONE	-	622.0	
-578.0	CARBONDALE	HERRIN	COAL	3.0	1008.0	
-642.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1072.0	
-1672.0	BASE OF PENN.		UNCLASSIFIED	-	2102.0	

MAPID: 02500109000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.406632 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.63109 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3095.0 **LOG TYPE:** Survey Sample Study
SOURCE: PURE OIL CO. **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: 02500116000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NE SW
QUADRANGLE: CISNE **LONGITUDE:** -88.413645 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.623848 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: PURE OC, STANFORD R0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-197.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-380.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	813.0	
-596.0	CARBONDALE	HERRIN	COAL	2.5	1029.0	
-656.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1089.0	
-1667.0	BASE OF PENN.		UNCLASSIFIED	-	2100.0	

MAPID: 02500326000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.411315 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.625653 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 4520.0 **LOG TYPE:**
SOURCE: WILLIAMS B, NOLAN M E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-195.0	BOND	CARTHAGE	LIMESTONE	-	647.0	
-381.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	833.0	
-599.0	CARBONDALE	HERRIN	COAL	2.5	1051.0	
-658.0	CARBONDALE	SPRINGFIELD	COAL	-	1110.0	
-1693.0	BASE OF PENN.		UNCLASSIFIED	-	2145.0	

MAPID: 02500327000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.402064 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.627411 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 438.0 **LOGGED (FT.):** 4380.0 **LOG TYPE:**
SOURCE: PURE OC, PEARCE L A00A3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-201.0	BOND	CARTHAGE	LIMESTONE	-	639.0	
-374.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	812.0	
-591.0	CARBONDALE	HERRIN	COAL	1.0	1029.0	
-652.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1090.0	
-1662.0	BASE OF PENN.		UNCLASSIFIED	-	2100.0	

MAPID: 02500420000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: CISNE **LONGITUDE:** -88.402116 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.623767 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 4360.0 **LOG TYPE:**
SOURCE: PURE OC, KITLEY C M00A1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-204.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-382.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	818.0	
-599.0	CARBONDALE	HERRIN	COAL	3.0	1035.0	
-664.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1100.0	
-1659.0	BASE OF PENN.		UNCLASSIFIED	-	2095.0	

MAPID: 02501550000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' S line, 660' W line of SE SW
QUADRANGLE: CISNE **LONGITUDE:** -88.412535 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.618365 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 1108.0 **LOG TYPE:** Electric Log
SOURCE: PURE OIL CO. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-191.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-600.0	CARBONDALE	HERRIN	COAL	-	1043.0	
-662.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1105.0	ROOF: 2ST.D

MAPID: 02501228000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW SE
QUADRANGLE: CISNE **LONGITUDE:** -88.390578 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.620034 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 1113.0 **LOG TYPE:** Electric Log
SOURCE: KENNEDY LLOYD **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-202.0	BOND	CARTHAGE	LIMESTONE	-	648.0	
-599.0	CARBONDALE	HERRIN	COAL	-	1045.0	
-664.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1110.0	ROOF: 4ST.D

MAPID: 02500328000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 12 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: CISNE **LONGITUDE:** -88.378993 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.619983 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 4550.0 **LOG TYPE:**
SOURCE: WASHBURN J, BAYLOR J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-209.0	BOND	CARTHAGE	LIMESTONE	-	664.0	
-616.0	CARBONDALE	HERRIN	COAL	3.0	1071.0	
-681.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1136.0	
-1645.0	BASE OF PENN.		UNCLASSIFIED	-	2100.0	

MAPID: 02500329000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 12 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: CISNE **LONGITUDE:** -88.378942 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.623641 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 4530.0 **LOG TYPE:**
SOURCE: WASHBURN J, BONNER C 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-210.0	BOND	CARTHAGE	LIMESTONE	-	663.0	
-401.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	854.0	
-613.0	CARBONDALE	HERRIN	COAL	2.5	1066.0	
-675.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1128.0	
-1599.0	BASE OF PENN.		UNCLASSIFIED	-	2052.0	

MAPID: 02500330000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 12 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.374292 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.625496 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 4570.0 **LOG TYPE:**
SOURCE: OLSON DRC, IRWIN C 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-210.0	BOND	CARTHAGE	LIMESTONE	-	667.0	
-399.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	856.0	
-619.0	CARBONDALE	HERRIN	COAL	2.0	1076.0	
-680.0	CARBONDALE	SPRINGFIELD	COAL	-	1137.0	
-1610.0	BASE OF PENN.		UNCLASSIFIED	-	2067.0	

MAPID: 02502104000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE SE
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.365126 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.620045 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1128.0 **LOG TYPE:** Electric Log
SOURCE: SANDERS & FYE DRILLING **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-194.0	BOND	CARTHAGE	LIMESTONE	-	645.0	
-607.0	CARBONDALE	HERRIN	COAL	-	1058.0	
-673.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1124.0	ROOF: 3'ST.D

MAPID: 02500331000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 13 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.372279 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.605257 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 4480.0 **LOG TYPE:**
SOURCE: DUNBAR ETL, GILL H C 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-158.0	BOND	CARTHAGE	LIMESTONE	-	606.0	
-569.0	CARBONDALE	HERRIN	COAL	1.5	1017.0	
-630.0	CARBONDALE	SPRINGFIELD	COAL	-	1078.0	
-1600.0	BASE OF PENN.		UNCLASSIFIED	-	2048.0	

MAPID: 02500332000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.370004 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.603396 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 4400.0 **LOG TYPE:**
SOURCE: SANDRS ETL, STANFORD L0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	-	599.0	
-563.0	CARBONDALE	HERRIN	COAL	3.0	1003.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	-	1063.0	
-1582.0	BASE OF PENN.		UNCLASSIFIED	-	2022.0	

MAPID: 02500333000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 13 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.372308 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.603411 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 1068.0 **LOG TYPE:** Electric Log
SOURCE: SANDERS JOHN W ETAL **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-158.0	BOND	CARTHAGE	LIMESTONE	-	592.0	
-568.0	CARBONDALE	HERRIN	COAL	4.0	1002.0	
-630.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1064.0	

MAPID: 02500333000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 13 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.372308 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.603411 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: SANDRS ETL, STANFRD LE0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-152.0	BOND	CARTHAGE	LIMESTONE	-	586.0	
-567.0	CARBONDALE	HERRIN	COAL	-	1001.0	
-628.0	CARBONDALE	SPRINGFIELD	COAL	-	1062.0	
-1594.0	BASE OF PENN.		UNCLASSIFIED	-	2028.0	

MAPID: 02504199000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.37462 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.603417 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 444.0 LOGGED (FT.): 1074.0 LOG TYPE: Electric Log
 SOURCE: CULLUM OIL COMPANY WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-156.0	BOND	CARTHAGE	LIMESTONE	-	600.0	
-566.0	CARBONDALE	HERRIN	COAL	-	1010.0	
-627.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1071.0	ROOF: 3ST.D

MAPID: 02500334000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 14 QUARTERS/FOOTAGES: SE SW NW
 QUADRANGLE: CISNE LONGITUDE: -88.397683 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.610963 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 4550.0 LOG TYPE:
 SOURCE: KINGWOODOC, NEFF F 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	636.0	
-371.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	826.0	
-585.0	CARBONDALE	HERRIN	COAL	2.0	1040.0	
-647.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1102.0	
-1620.0	BASE OF PENN.		UNCLASSIFIED	-	2075.0	

MAPID: 02500520000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 14 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: CISNE LONGITUDE: -88.383768 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.608991 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 4480.0 LOG TYPE:
 SOURCE: PURE OC, BROLYS CON00B1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-389.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	837.0	
-605.0	CARBONDALE	HERRIN	COAL	2.5	1053.0	
-670.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1118.0	
-1642.0	BASE OF PENN.		UNCLASSIFIED	-	2090.0	

MAPID: 02501230000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 660' E line of SE

QUADRANGLE: CISNE LONGITUDE: -88.384929 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.609011 DATE COLLECTED:

SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 1122.0 LOG TYPE: Electric Log

SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-600.0	CARBONDALE	HERRIN	COAL	-	1053.0	
-664.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1117.0	ROOF: 2ST.D

MAPID: 02500335000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 15 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: CISNE LONGITUDE: -88.41143 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.616535 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 4400.0 LOG TYPE:

SOURCE: WSHBRN&PWR, BAYLOR CON001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-180.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-380.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	820.0	
-589.0	CARBONDALE	HERRIN	COAL	1.0	1029.0	
-656.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1096.0	
-1636.0	BASE OF PENN.		UNCLASSIFIED	-	2076.0	

MAPID: 02500336000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 7E SECTION: 15 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: CISNE LONGITUDE: -88.402218 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.616476 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 4460.0 LOG TYPE:

SOURCE: ILL PROD, NEFF F O 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-184.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-371.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	817.0	
-589.0	CARBONDALE	HERRIN	COAL	2.5	1035.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1101.0	
-1609.0	BASE OF PENN.		UNCLASSIFIED	-	2055.0	

MAPID: 02502130000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW SE
QUADRANGLE: CISNE **LONGITUDE:** -88.4093 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.607379 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 1092.0 **LOG TYPE:** Electric Log
SOURCE: STEELE J W **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-174.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-592.0	CARBONDALE	HERRIN	COAL	-	1026.0	
-654.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1088.0	ROOF: 1'ST.D

MAPID: 02502136000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE NW
QUADRANGLE: CISNE **LONGITUDE:** -88.411479 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.614702 **DATE COLLECTED:** 9 / 0 / 1953
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 1294.0 **LOG TYPE:** Company Sample Study
SOURCE: STEELE J W **WELL TYPE:** Producer-Oil
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-600.0	CARBONDALE	HERRIN	COAL	-	1037.0	
-857.0	CARBONDALE	COLCHESTER	COAL	-	1294.0	

MAPID: 02502147000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: CISNE **LONGITUDE:** -88.425484 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.609383 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 1110.0 **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	
-184.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-610.0	CARBONDALE	HERRIN	COAL	-	1046.0	
-669.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1105.0	ROOF: 5'DK SH

MAPID: 02500337000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: CISNE **LONGITUDE:** -88.4561 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.610121 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 4350.0 **LOG TYPE:**
SOURCE: GULF REF, SKELTON L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	606.0	
-383.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	818.0	
-603.0	CARBONDALE	HERRIN	COAL	2.5	1038.0	
-667.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1102.0	
-1697.0	BASE OF PENN.		UNCLASSIFIED	-	2132.0	

MAPID: 02502150000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW NE
QUADRANGLE: CISNE **LONGITUDE:** -88.444197 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.615278 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 1092.0 **LOG TYPE:** Electric Log
SOURCE: MCKELVY & SIPOHA DRLG. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-163.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-587.0	CARBONDALE	HERRIN	COAL	-	1032.0	
-642.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1087.0	ROOF: 5'DK SH

MAPID: 02501234000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 7E **SECTION:** 18 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW NE
QUADRANGLE: CISNE **LONGITUDE:** -88.465359 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.615861 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1120.0 **LOG TYPE:** Electric Log
SOURCE: SUPERIOR OIL CO., THE **WELL TYPE:** Service Well
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-606.0	CARBONDALE	HERRIN	COAL	-	1057.0	
-664.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1115.0	ROOF: 7SH

MAPID: 02500104000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 3

QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: CLAY CITY

LONGITUDE: -88.302412

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.643514

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 416.0

LOGGED (FT.): 4160.0

LOG TYPE:

SOURCE: PURE OC, TAYLOR CON0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-154.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-544.0	CARBONDALE	HERRIN	COAL	3.0	960.0
-600.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1016.0
-1534.0	BASE OF PENN.		UNCLASSIFIED	-	1950.0

MAPID: 02500105000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 3

QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: CLAY CITY

LONGITUDE: -88.304663

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.637982

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 434.0

LOGGED (FT.): 4340.0

LOG TYPE:

SOURCE: PURE OC, MOSELY B W00B5

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-162.0	BOND	CARTHAGE	LIMESTONE	-	596.0
-544.0	CARBONDALE	HERRIN	COAL	2.0	978.0
-606.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1040.0
-1531.0	BASE OF PENN.		UNCLASSIFIED	-	1965.0

MAPID: 02500105000C VERSION: 2

PROJECT: CONTROL

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 3

QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: CLAY CITY

LONGITUDE: -88.304663

GEOLOGIST: HINES

CONFIDENTIAL: N

LATITUDE: 38.637982

DATE COLLECTED:

SURFACE ELEVATION (FT.):

LOGGED (FT.): 2615.0

LOG TYPE: Survey Sample Study

SOURCE: PURE OIL CO.

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: 02500107000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.30691 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.632434 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 4370.0 **LOG TYPE:**
SOURCE: PURE OC, MOSELY CON0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-567.0	CARBONDALE	HERRIN	COAL	3.0	1004.0	
-628.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1065.0	

MAPID: 02502164000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.302325 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.632312 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 422.0 **LOGGED (FT.):** 1044.0 **LOG TYPE:** Electric Log
SOURCE: SHULMAN BROS. INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-558.0	CARBONDALE	HERRIN	COAL	-	980.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1040.0	ROOF: 9'SH

MAPID: 02500115000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 4 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.329812 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.63703 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 4490.0 **LOG TYPE:**
SOURCE: PURE OC, MOSELEY J 003B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-177.0	BOND	CARTHAGE	LIMESTONE	-	626.0	
-406.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	855.0	
-589.0	CARBONDALE	HERRIN	COAL	3.0	1038.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1097.0	

MAPID: 02500574000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.320626 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.636729 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 1088.0 **LOG TYPE:** Electric Log
SOURCE: MEYER JOHN C **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-578.0	CARBONDALE	HERRIN	COAL	-	1022.0	
-639.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1083.0	ROOF: 8'SH

MAPID: 02502199000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.334377 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.639022 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1110.0 **LOG TYPE:** Electric Log
SOURCE: PARTLOW & COCHONOUR **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-185.0	BOND	CARTHAGE	LIMESTONE	-	636.0	
-596.0	CARBONDALE	HERRIN	COAL	-	1047.0	
-656.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1107.0	ROOF: 3ST.D

MAPID: 02500108000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 6 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.362119 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.63202 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 4700.0 **LOG TYPE:**
SOURCE: WISER OC, DALY J 0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-211.0	BOND	CARTHAGE	LIMESTONE	-	681.0	
-618.0	CARBONDALE	HERRIN	COAL	2.5	1088.0	
-681.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1151.0	

MAPID: 02500110000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 6 QUARTERS/FOOTAGES: SW NE SW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.362099 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.635951 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 1161.0 LOG TYPE: Electric Log
 SOURCE: WISER OIL CO., THE WELL TYPE: Service Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-221.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-627.0	CARBONDALE	HERRIN	COAL	-	1096.0	
-688.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1157.0	ROOF: 6SH

MAPID: 02500110000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 6 QUARTERS/FOOTAGES: SW NE SW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.362099 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.635951 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 4690.0 LOG TYPE:
 SOURCE: WISER OC, DALY J 0008 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-222.0	BOND	CARTHAGE	LIMESTONE	-	691.0	
-626.0	CARBONDALE	HERRIN	COAL	2.5	1095.0	
-688.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1157.0	
-1546.0	BASE OF PENN.		UNCLASSIFIED	-	2015.0	

MAPID: 02500110000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 6 QUARTERS/FOOTAGES: NE NW SW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.361015 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.637882 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 4740.0 LOG TYPE:
 SOURCE: WISER OC, DALY J 0003 WELL TYPE: Oil and Gas Test
 COMMENT: EXACT LOCATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-211.0	BOND	CARTHAGE	LIMESTONE	-	685.0	
-622.0	CARBONDALE	HERRIN	COAL	2.0	1096.0	
-686.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1160.0	

MAPID: 02500112000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 6 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.361088 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.631993 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 4740.0 **LOG TYPE:**
SOURCE: WISER OC, DALY J 0004 **WELL TYPE:** Oil and Gas Test
COMMENT: EXACT LOCATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-145.0	BOND	CARTHAGE	LIMESTONE	-	619.0
-619.0	CARBONDALE	HERRIN	COAL	2.0	1093.0
-681.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1155.0

MAPID: 02500319000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 7 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.35515 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.626327 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 4530.0 **LOG TYPE:**
SOURCE: PURE OC, SMITH S 005B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-196.0	BOND	CARTHAGE	LIMESTONE	-	649.0
-608.0	CARBONDALE	HERRIN	COAL	-	1061.0
-675.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1128.0

MAPID: 02500320000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 7 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.359774 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.617358 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 4580.0 **LOG TYPE:**
SOURCE: ORCHARD OC, NORTN MARC002A **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-194.0	BOND	CARTHAGE	LIMESTONE	-	652.0
-594.0	CARBONDALE	HERRIN	COAL	3.0	1052.0
-664.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1122.0

MAPID: 02502252000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 7 QUARTERS/FOOTAGES: 330' N line, 330' W line of S2 SW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.362816 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.61924 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 1123.0 LOG TYPE: Electric Log
 SOURCE: HOCKMAN, JAMES N. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-189.0	BOND	CARTHAGE	LIMESTONE	-	646.0	
-601.0	CARBONDALE	HERRIN	COAL	-	1058.0	
-663.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1120.0	ROOF: 3ST.D

MAPID: 02500490000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 8 QUARTERS/FOOTAGES: NE NW SW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.345889 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.622483 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 4660.0 LOG TYPE:
 SOURCE: PURE OC, CLARK L 0016 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-158.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-570.0	CARBONDALE	HERRIN	COAL	2.5	1036.0	
-632.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1098.0	
-1464.0	BASE OF PENN.		UNCLASSIFIED	-	1930.0	

MAPID: 02500535000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 8 QUARTERS/FOOTAGES: NW SW NE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.339011 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.625981 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 4670.0 LOG TYPE:
 SOURCE: DUNCAN W, CARROLL 0007 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-575.0	CARBONDALE	HERRIN	COAL	-	1042.0	
-1565.0	BASE OF PENN.		UNCLASSIFIED	-	2032.0	

MAPID: 02502294000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 8 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.341319 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.626027 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 1112.0 **LOG TYPE:** Electric Log
SOURCE: PURE OIL CO. **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-575.0	CARBONDALE	HERRIN	COAL	-	1048.0	
-635.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1108.0	ROOF: 7SH

MAPID: 02500509000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.29549 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.628359 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 438.0 **LOGGED (FT.):** 4380.0 **LOG TYPE:**
SOURCE: PURE OC, TETRICK T 00B1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-558.0	CARBONDALE	HERRIN	COAL	2.5	996.0	
-622.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1060.0	
-1572.0	BASE OF PENN.		UNCLASSIFIED	-	2010.0	

MAPID: 02500572000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.302273 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.623081 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 439.0 **LOGGED (FT.):** 1103.0 **LOG TYPE:** Electric Log
SOURCE: PURE OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-169.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-598.0	CARBONDALE	HERRIN	COAL	-	1037.0	
-659.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1098.0	ROOF: 4SH

MAPID: 02500504000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 11

QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.288537

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.615365

DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 431.0

LOGGED (FT.): 4310.0

LOG TYPE:

SOURCE: PURE OC, MOSELY C B00B1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-163.0	BOND	CARTHAGE	LIMESTONE	-	594.0	
-351.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	782.0	
-632.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1063.0	
-1577.0	BASE OF PENN.		UNCLASSIFIED	-	2008.0	

MAPID: 02502345000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 11

QUARTERS/FOOTAGES: 330' S line, 330' W line of SW NE

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.283995

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.622526

DATE COLLECTED:

SURFACE ELEVATION (FT.): 413.0

LOGGED (FT.): 1049.0

LOG TYPE: Electric Log

SOURCE: PURE OIL CO.

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	-	572.0	
-564.0	CARBONDALE	HERRIN	COAL	-	977.0	
-633.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1046.0	ROOF: 4ST.D

MAPID: 02501236000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 12

QUARTERS/FOOTAGES: 990' S line, 430' W line of SW

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.274481

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.616852

DATE COLLECTED:

SURFACE ELEVATION (FT.): 427.0

LOGGED (FT.): 1058.0

LOG TYPE: Electric Log

SOURCE: BAINES, DON DRLG. CO.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-158.0	BOND	CARTHAGE	LIMESTONE	-	585.0	
-559.0	CARBONDALE	HERRIN	COAL	-	986.0	
-626.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1053.0	ROOF: 3ST.D

MAPID: 02500106000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 13

QUARTERS/FOOTAGES: SE NW NW

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.272503

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.611345

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 409.0

LOGGED (FT.): 4090.0

LOG TYPE:

SOURCE: PURE OC, HOUGH W 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	566.0	
-333.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	742.0	
-564.0	CARBONDALE	HERRIN	COAL	2.0	973.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1040.0	
-1628.0	BASE OF PENN.		UNCLASSIFIED	-	2037.0	

MAPID: 02501237000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 13

QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.265542

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.607543

DATE COLLECTED:

SURFACE ELEVATION (FT.): 409.0

LOGGED (FT.): 1048.0

LOG TYPE: Electric Log

SOURCE: FULK OIL COMPANY

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-141.0	BOND	CARTHAGE	LIMESTONE	-	550.0	
-557.0	CARBONDALE	HERRIN	COAL	-	966.0	
-635.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1044.0	ROOF: 2ST.D

MAPID: 02502354000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 14

QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.283946

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.613434

DATE COLLECTED:

SURFACE ELEVATION (FT.): 427.0

LOGGED (FT.): 1071.0

LOG TYPE: Electric Log

SOURCE: SUN DRLG CO

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	584.0	
-575.0	CARBONDALE	HERRIN	COAL	-	1002.0	
-640.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1067.0	ROOF: 2ST.D

MAPID: 02500118000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 15

QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.306813

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.601454

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 472.0

LOGGED (FT.): 4720.0

LOG TYPE:

SOURCE: PURE OC, PIERCE R H0006

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-173.0	BOND	CARTHAGE	LIMESTONE	-	645.0	
-581.0	CARBONDALE	HERRIN	COAL	3.0	1053.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1120.0	
-1578.0	BASE OF PENN.		UNCLASSIFIED	-	2050.0	

MAPID: 02500321000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 15

QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.302252

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.606744

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 456.0

LOGGED (FT.): 4560.0

LOG TYPE:

SOURCE: PURE OC, EVANS W 00B1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-146.0	BOND	CARTHAGE	LIMESTONE	-	602.0	
-326.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	782.0	
-556.0	CARBONDALE	HERRIN	COAL	2.5	1012.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1079.0	
-1571.0	BASE OF PENN.		UNCLASSIFIED	-	2027.0	

MAPID: 02500844000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 2N 8E

SECTION: 15

QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE

QUADRANGLE: ENTERPRISE

LONGITUDE: -88.302231

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.612161

DATE COLLECTED:

SURFACE ELEVATION (FT.): 437.0

LOGGED (FT.): 1074.0

LOG TYPE: Electric Log

SOURCE: BAYLOR, H. CARROLL

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-173.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-566.0	CARBONDALE	HERRIN	COAL	-	1003.0	
-634.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1071.0	ROOF: 4ST.D

MAPID: 02504131000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.325145 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.609243 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 1096.0 LOG TYPE: Electric Log
 SOURCE: HOCKMAN OIL CO., INC. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-165.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-568.0	CARBONDALE	HERRIN	COAL	-	1033.0	
-626.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1091.0	ROOF: 8SH

MAPID: 02500322000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 17 QUARTERS/FOOTAGES: SE SE NW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.341254 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.609667 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 4530.0 LOG TYPE:
 SOURCE: PURE OC, HENDERSN E0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-174.0	BOND	CARTHAGE	LIMESTONE	-	627.0	
-574.0	CARBONDALE	HERRIN	COAL	2.5	1027.0	
-634.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1087.0	
-1604.0	BASE OF PENN.		UNCLASSIFIED	-	2057.0	

MAPID: 02500323000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 17 QUARTERS/FOOTAGES: NW SW NW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.348161 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.611652 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 4510.0 LOG TYPE:
 SOURCE: REGENT OC, HENDERSN E0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-585.0	CARBONDALE	HERRIN	COAL	2.0	1036.0	
-649.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1100.0	
-1633.0	BASE OF PENN.		UNCLASSIFIED	-	2084.0	

MAPID: 02502416000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' W line of SW NW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.348148 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.609844 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 1099.0 LOG TYPE: Electric Log
 SOURCE: PARTLOW & COCHONOUR WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-583.0	CARBONDALE	HERRIN	COAL	-	1032.0	
-646.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1095.0	ROOF: 4ST.D

MAPID: 02500113000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 18 QUARTERS/FOOTAGES: NW SE NW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.36208 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.611999 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 4500.0 LOG TYPE:
 SOURCE: SANDERS J, GILL 0003 WELL TYPE: Oil and Gas Test
 COMMENT: EXACT LOCATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-182.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-379.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	829.0	
-582.0	CARBONDALE	HERRIN	COAL	3.0	1032.0	
-644.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1094.0	
-1603.0	BASE OF PENN.		UNCLASSIFIED	-	2053.0	

MAPID: 02500114000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 2N 8E SECTION: 18 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: ENTERPRISE LONGITUDE: -88.359758 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.611941 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 4410.0 LOG TYPE:
 SOURCE: SANDERS J, GILL L 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-180.0	BOND	CARTHAGE	LIMESTONE	-	621.0	
-576.0	CARBONDALE	HERRIN	COAL	-	1017.0	
-640.0	CARBONDALE	SPRINGFIELD	COAL	-	1081.0	
-1571.0	BASE OF PENN.		UNCLASSIFIED	-	2012.0	

MAPID: 02500117000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE SE SW
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.359737 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.604729 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 4480.0 **LOG TYPE:**
SOURCE: PURE OC, SCRUGHAM L0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	-	598.0	
-546.0	CARBONDALE	HERRIN	COAL	3.0	994.0	
-610.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1058.0	
-1557.0	BASE OF PENN.		UNCLASSIFIED	-	2005.0	

MAPID: 02504606000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 2N 8E **SECTION:** 18 **QUARTERS/FOOTAGES:** 70' S line, 460' W line of NE
QUADRANGLE: ENTERPRISE **LONGITUDE:** -88.356974 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.609357 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 1075.0 **LOG TYPE:** Electric Log
SOURCE: UNION OIL CO. OF CA **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-162.0	BOND	CARTHAGE	LIMESTONE	-	607.0	
-565.0	CARBONDALE	HERRIN	COAL	-	1010.0	
-626.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1071.0	ROOF: 3ST.D

MAPID: 02500548000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.584264 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.732732 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 1106.0 **LOG TYPE:** Electric Log
SOURCE: RUDY JOHN W EST **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-161.0	BOND	CARTHAGE	LIMESTONE	-	678.0	
-585.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1102.0	ROOF: 2ST.D

MAPID: 02500548000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.584264 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.732732 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 3010.0 **LOG TYPE:**
SOURCE: RUDY JOHN, MCELYEA P 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-161.0	BOND	CARTHAGE	LIMESTONE	-	678.0	
-539.0	CARBONDALE	HERRIN	COAL	-	1056.0	

MAPID: 02500548000C **VERSION:** 3 **PROJECT:** IBC XSECT
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.584264 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.732732 **DATE COLLECTED:** 7 / 0 / 1947
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 1289.0 **LOG TYPE:** Time Log
SOURCE: RUDY JOHN W EST **WELL TYPE:** Producer-Oil
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-539.0	CARBONDALE	HERRIN	COAL	-	1056.0	
-772.0	CARBONDALE	COLCHESTER	COAL	-	1289.0	

MAPID: 02500934000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** 330' N line, 330' W line
QUADRANGLE: XENIA NE **LONGITUDE:** -88.6193 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.737777 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 1025.0 **LOG TYPE:** Electric Log
SOURCE: RUTHERFORD, HOMER **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-84.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-486.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1022.0	ROOF: 2SH, 1ST.D

MAPID: 02502453000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.609936 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.737915 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 1036.0 **LOG TYPE:** Electric Log
SOURCE: MARVIN, GAURD S. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	637.0	
-505.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1032.0	ROOF: 3'BK SH

MAPID: 02502461000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' N line, 990' W line of SW
QUADRANGLE: XENIA **LONGITUDE:** -88.635688 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.730239 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 0.0 **LOG TYPE:** Electric Log
SOURCE: OHIO OIL CO., THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-127.0	BOND	CARTHAGE	LIMESTONE	-	654.0	
-	CARBONDALE	SPRINGFIELD	COAL	0.0		SANDSTONE ROOF; COAL MAY BE ERODED

MAPID: 02502462000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.654193 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.728131 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 1100.0 **LOG TYPE:** Electric Log
SOURCE: HAMMER,A. J. & BREHM,C.E **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-144.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-565.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1097.0	

MAPID: 02501243000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 6 **QUARTERS/FOOTAGES:** 390' S line, 330' W line of SE
QUADRANGLE: XENIA **LONGITUDE:** -88.685405 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.724478 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 1010.0 **LOG TYPE:** Electric Log
SOURCE: SUPERIOR OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	603.0	
-513.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1006.0	ROOF: 1'ST.D

MAPID: 02500861000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.682809 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.709642 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 1073.0 **LOG TYPE:** Electric Log
SOURCE: OBERING ERNEST A **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-137.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-547.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1070.0	ROOF: 1'ST.D

MAPID: 02502465000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 8 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW SE SW
QUADRANGLE: XENIA **LONGITUDE:** -88.670649 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.709663 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 1069.0 **LOG TYPE:** Electric Log
SOURCE: DUNCAN, N. V., EST. OF **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-120.0	BOND	CARTHAGE	LIMESTONE	-	641.0	
-544.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1065.0	

MAPID: 02500841000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.656658 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.711619 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 1088.0 **LOG TYPE:** Electric Log
SOURCE: OBERING ERNEST A **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-122.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-556.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1084.0	

MAPID: 02501245000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.624092 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.719398 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 1086.0 **LOG TYPE:** Electric Log
SOURCE: GEORGE & WRATHER OIL **WELL TYPE:** Temporarily Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-111.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-543.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1082.0	ROOF: SH

MAPID: 02501246000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.617108 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.712206 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 553.0 **LOGGED (FT.):** 1129.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-572.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1125.0	ROOF: 2ST.D

MAPID: 02500549000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 12 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.584524 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.710567 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 507.0 **LOGGED (FT.):** 1080.0 **LOG TYPE:** Electric Log
SOURCE: NAT'L. ASSOC. PETRO. CO. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-139.0	BOND	CARTHAGE	LIMESTONE	-	646.0	
-569.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	ROOF: BK SH

MAPID: 02500549000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 12 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.584524 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.710567 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 507.0 **LOGGED (FT.):** 2803.0 **LOG TYPE:**
SOURCE: NAT ASSOC, SPIKER E 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-129.0	BOND	CARTHAGE	LIMESTONE	-	636.0	
-504.0	CARBONDALE	HERRIN	COAL	-	1011.0	

MAPID: 02500719000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** 990' S line, 330' W line of SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.591598 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.697754 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 507.0 **LOGGED (FT.):** 1062.0 **LOG TYPE:** Electric Log
SOURCE: MORAN, E. F., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-118.0	BOND	CARTHAGE	LIMESTONE	-	625.0	
-551.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1058.0	ROOF: 1'ST.D

MAPID: 02500559000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** 350' N line, 990' W line of NE SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.612573 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.701207 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 558.0 **LOGGED (FT.):** 3038.0 **LOG TYPE:**
SOURCE: FULK P, MARTIN F 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	709.0	
-526.0	CARBONDALE	HERRIN	COAL	-	1084.0	

MAPID: 02502473000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.607822 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.704981 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 1115.0 **LOG TYPE:** Electric Log
SOURCE: PARTLOW, MARION OIL PROD **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-135.0	BOND	CARTHAGE	LIMESTONE	-	675.0	
-571.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1111.0	ROOF: 1'S.T.D

MAPID: 02500003000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: XENIA **LONGITUDE:** -88.631204 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.702911 **DATE COLLECTED:** 0 / 0 / 1915
SURFACE ELEVATION (FT.): 540.6 **LOGGED (FT.):** 5406.0 **LOG TYPE:**
SOURCE: BNDM&TREES, ANDERSON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT: EXACT LOCATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-484.4	CARBONDALE	HERRIN	COAL	2.0	1025.0	
-534.4	CARBONDALE	SPRINGFIELD	COAL	3.0	1075.0	

MAPID: 02500003000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: XENIA **LONGITUDE:** -88.631204 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.702911 **DATE COLLECTED:** 0 / 0 / 1915
SURFACE ELEVATION (FT.): 540.6 **LOGGED (FT.):** 2076.0 **LOG TYPE:**
SOURCE: BNDM TREES, ANDERSON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT: EXACT LOCATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-119.4	BOND	CARTHAGE	LIMESTONE	-	660.0	
-484.4	CARBONDALE	HERRIN	COAL	2.0	1025.0	

MAPID: 02502010000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.626564 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.701129 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 553.0 **LOGGED (FT.):** 1140.0 **LOG TYPE:** Electric Log
SOURCE: TARTAN OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-132.0	BOND	CARTHAGE	LIMESTONE	-	685.0	
-583.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1136.0	ROOF: 2ST.D

MAPID: 02500684000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: XENIA **LONGITUDE:** -88.647496 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.700793 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 1080.0 **LOG TYPE:** Electric Log
SOURCE: SPIRES H V **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-543.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	ROOF: 2ST.D

MAPID: 02505028000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** 660' N line, 660' W line
QUADRANGLE: XENIA **LONGITUDE:** -88.655553 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.707064 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 1063.5 **LOG TYPE:** Drillers Log
SOURCE: SO. IL OIL PROD., INC. **WELL TYPE:** Unsuccessful or Unknown Results
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-117.0	BOND	CARTHAGE	LIMESTONE	-	637.0	
-540.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1060.0	ROOF: 2'BK SH, 2'ST.D

MAPID: 02501249000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: XENIA **LONGITUDE:** -88.66843 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.70052 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 1073.0 **LOG TYPE:** Electric Log
SOURCE: OBERING ERNEST A **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-108.0	BOND	CARTHAGE	LIMESTONE	-	638.0	
-540.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1070.0	ROOF: 2'ST.D

MAPID: 02500004000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.683115 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.696767 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 5190.0 **LOG TYPE:**
SOURCE: MYERS&NLSN, NEWTON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-101.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-467.0	CARBONDALE	HERRIN	COAL	-	986.0	
-527.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1046.0	
-1263.0	BASE OF PENN.		UNCLASSIFIED	-	1782.0	

MAPID: 02500004000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: XENIA **LONGITUDE:** -88.683115 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.696767 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 2896.0 **LOG TYPE:**
SOURCE: MYERS NLSN, NEWTON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-101.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-467.0	CARBONDALE	HERRIN	COAL	-	986.0	

MAPID: 02501250000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 18 **QUARTERS/FOOTAGES:** 580' N line, 330' E line of SE NW
QUADRANGLE: XENIA **LONGITUDE:** -88.688077 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.70347 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 516.0 **LOGGED (FT.):** 1072.0 **LOG TYPE:** Electric Log
SOURCE: RUDY JOHN W EST **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-124.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-553.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1069.0	ROOF: 3ST.D

MAPID: 02505083000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 19 **QUARTERS/FOOTAGES:** 990' S line, 330' E line of NE NW
QUADRANGLE: XENIA **LONGITUDE:** -88.688216 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.693095 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 1051.0 **LOG TYPE:** Electric Log
SOURCE: SLAGTER PRODUCING CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-101.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1049.0	ROOF: 2ST.D

MAPID: 02501251000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW NE
QUADRANGLE: XENIA **LONGITUDE:** -88.64757 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.691658 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 1059.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-131.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-536.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1055.0	

MAPID: 02501252000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW
QUADRANGLE: XENIA **LONGITUDE:** -88.631284 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.693729 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 1113.0 **LOG TYPE:** Electric Log
SOURCE: TAYLOR & SCHUMACHER **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-155.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1110.0	ROOF: 1'BK SH, 2'ST.D

MAPID: 02501726000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.622119 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.682782 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 557.0 **LOGGED (FT.):** 1112.0 **LOG TYPE:** Electric Log
SOURCE: WEAL DRLG CO **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-123.0	BOND	CARTHAGE	LIMESTONE	-	680.0	
-551.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1108.0	ROOF: 2'ST.D

MAPID: 0250055000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.605639 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.690298 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2740.0 **LOG TYPE:**
SOURCE: PHILLIPS, BELOW 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-109.0	BOND	CARTHAGE	LIMESTONE	-	638.0
-489.0	CARBONDALE	HERRIN	COAL	-	1018.0

MAPID: 02500551000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.610401 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.684736 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 541.0 **LOGGED (FT.):** 2587.0 **LOG TYPE:**
SOURCE: PHILLIPS, FLOSS COMM 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-94.0	BOND	CARTHAGE	LIMESTONE	-	635.0
-492.0	CARBONDALE	HERRIN	COAL	-	1033.0

MAPID: 02500552000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.617444 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.682821 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 2731.0 **LOG TYPE:**
SOURCE: PHILLIPS, LOYAL 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-100.0	BOND	CARTHAGE	LIMESTONE	-	650.0
-481.0	CARBONDALE	HERRIN	COAL	-	1031.0

MAPID: 02500553000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.61504 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.688366 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 2716.0 **LOG TYPE:**
SOURCE: PHILLIPS, MART 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-97.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-496.0	CARBONDALE	HERRIN	COAL	-	1033.0	

MAPID: 02502501000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** 660' S line, 660' W line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.609188 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.689329 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 1068.0 **LOG TYPE:** Electric Log
SOURCE: PHILLIPS PETROLEUM CO. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-108.0	BOND	CARTHAGE	LIMESTONE	-	636.0	
-536.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1064.0	ROOF: 3'BK SH

MAPID: 02500096000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 24 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.591701 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.688575 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 506.0 **LOGGED (FT.):** 5060.0 **LOG TYPE:**
SOURCE: MYERS J W, HENDY CHAS 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-121.0	BOND	CARTHAGE	LIMESTONE	-	627.0	
-490.0	CARBONDALE	HERRIN	COAL	2.0	996.0	
-544.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1050.0	
-1367.0	BASE OF PENN.		UNCLASSIFIED	-	1873.0	

MAPID: 02500096000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 24 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.591701 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.688575 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 506.0 **LOGGED (FT.):** 3003.0 **LOG TYPE:**
SOURCE: MYERS J W, HENDY CHAS 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-121.0	BOND	CARTHAGE	LIMESTONE	-	627.0	
-490.0	CARBONDALE	HERRIN	COAL	2.0	996.0	

MAPID: 02501657000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.59627 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.694066 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 515.0 **LOGGED (FT.):** 1087.0 **LOG TYPE:** Electric Log
SOURCE: THOMPSON RICHARD S **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-128.0	BOND	CARTHAGE	LIMESTONE	-	643.0	
-568.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1083.0	ROOF: 2ST.D

MAPID: 02500033000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.584959 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.66665 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 5210.0 **LOG TYPE:**
SOURCE: BAYER K M, ALLISON M 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-36.0	BOND	CARTHAGE	LIMESTONE	-	557.0	
-423.0	CARBONDALE	HERRIN	COAL	2.0	944.0	
-485.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1006.0	
-1330.0	BASE OF PENN.		UNCLASSIFIED	-	1851.0	

MAPID: 02500033000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 3N 5E SECTION: 25 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: XENIA NE LONGITUDE: -88.584959

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.66665

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 2967.0

LOG TYPE:

SOURCE: BAYER K M, ALLISON M 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-36.0	BOND	CARTHAGE	LIMESTONE	-	557.0
-423.0	CARBONDALE	HERRIN	COAL	2.0	944.0

MAPID: 02500303000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 5E SECTION: 25 QUARTERS/FOOTAGES: SW NE NE

QUADRANGLE: XENIA NE LONGITUDE: -88.587174

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.677573

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 5150.0

LOG TYPE:

SOURCE: LAIN OG, HYNS&MC CN 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-78.0	BOND	CARTHAGE	LIMESTONE	-	593.0
-452.0	CARBONDALE	HERRIN	COAL	4.0	967.0
-508.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1023.0
-1344.0	BASE OF PENN.		UNCLASSIFIED	-	1859.0

MAPID: 02500303000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 3N 5E SECTION: 25 QUARTERS/FOOTAGES: SW NE NE

QUADRANGLE: XENIA NE LONGITUDE: -88.587174

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.677573

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 2976.0

LOG TYPE:

SOURCE: LAIN OG, HYNS&MC CN 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-78.0	BOND	CARTHAGE	LIMESTONE	-	593.0
-452.0	CARBONDALE	HERRIN	COAL	2.0	967.0

MAPID: 02500303000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.587174 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.677573 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 515.0 **LOGGED (FT.):** 1024.0 **LOG TYPE:** Electric Log
SOURCE: LAIN OIL & GAS CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-505.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1020.0	

MAPID: 02500303000C **VERSION:** 4 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.587174 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.677573 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2976.0 **LOG TYPE:** Survey Sample Study
SOURCE: LAIN OIL & GAS CO **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: 02500479000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.589598 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.66842 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 5190.0 **LOG TYPE:**
SOURCE: LYNN J J, ALLEN 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	550.0	
-421.0	CARBONDALE	HERRIN	COAL	2.5	940.0	
-479.0	CARBONDALE	SPRINGFIELD	COAL	1.5	998.0	
-1311.0	BASE OF PENN.		UNCLASSIFIED	-	1830.0	

MAPID: 02500479000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 3N 5E

SECTION: 25

QUARTERS/FOOTAGES: NE SW SE

QUADRANGLE: XENIA NE

LONGITUDE: -88.589598

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.66842

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 519.0

LOGGED (FT.): 2705.0

LOG TYPE:

SOURCE: LYNN J J, ALLEN 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	550.0
-421.0	CARBONDALE	HERRIN	COAL	2.5	940.0

MAPID: 02500480000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 5E

SECTION: 25

QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: XENIA NE

LONGITUDE: -88.589539

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.673903

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 491.0

LOGGED (FT.): 4910.0

LOG TYPE:

SOURCE: LYNN J J, CLCLRE HRS 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-66.0	BOND	CARTHAGE	LIMESTONE	-	557.0
-452.0	CARBONDALE	HERRIN	COAL	2.0	943.0
-506.0	CARBONDALE	SPRINGFIELD	COAL	3.5	997.0
-1340.0	BASE OF PENN.		UNCLASSIFIED	-	1831.0

MAPID: 02500480000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 3N 5E

SECTION: 25

QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: XENIA NE

LONGITUDE: -88.589539

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.673903

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 491.0

LOGGED (FT.): 2718.0

LOG TYPE:

SOURCE: LYNN J J, CLCLRE HRS 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-66.0	BOND	CARTHAGE	LIMESTONE	-	557.0
-452.0	CARBONDALE	HERRIN	COAL	2.0	943.0

MAPID: 02500481000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 5E

SECTION: 25

QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: XENIA NE

LONGITUDE: -88.584902

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.672119

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 510.0

LOGGED (FT.): 5100.0

LOG TYPE:

SOURCE: LYNN J J, HAYNES 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-69.0	BOND	CARTHAGE	LIMESTONE	-	579.0	
-450.0	CARBONDALE	HERRIN	COAL	1.5	960.0	
-508.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1018.0	
-1346.0	BASE OF PENN.		UNCLASSIFIED	-	1856.0	

MAPID: 02500481000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 3N 5E

SECTION: 25

QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: XENIA NE

LONGITUDE: -88.584902

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.672119

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 510.0

LOGGED (FT.): 2725.0

LOG TYPE:

SOURCE: LYNN J J, HAYNES 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-69.0	BOND	CARTHAGE	LIMESTONE	-	579.0	
-450.0	CARBONDALE	HERRIN	COAL	1.5	960.0	

MAPID: 02500554000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 3N 5E

SECTION: 25

QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: XENIA NE

LONGITUDE: -88.59893

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.666478

DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 525.0

LOGGED (FT.): 3005.0

LOG TYPE:

SOURCE: WILIAMS HM, CASH 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-70.0	BOND	CARTHAGE	LIMESTONE	-	595.0	
-449.0	CARBONDALE	HERRIN	COAL	-	974.0	

MAPID: 02500555000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.594235 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.670199 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 1019.0 **LOG TYPE:** Electric Log
SOURCE: LYNN S J J **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-54.0	BOND	CARTHAGE	LIMESTONE	-	547.0	
-522.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1015.0	ROOF: 2ST.D

MAPID: 02500555000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.594235 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.670199 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 2962.0 **LOG TYPE:**
SOURCE: LYNN J J, HENDRSON C 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-53.0	BOND	CARTHAGE	LIMESTONE	-	546.0	
-455.0	CARBONDALE	HERRIN	COAL	-	948.0	

MAPID: 02500556000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.612809 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.679197 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 576.0 **LOGGED (FT.):** 1139.0 **LOG TYPE:** Electric Log
SOURCE: GULF REFINING CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-116.0	BOND	CARTHAGE	LIMESTONE	-	692.0	
-559.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1135.0	ROOF: 2ST.D

MAPID: 02500556000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.612809 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.679197 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 576.0 **LOGGED (FT.):** 3016.0 **LOG TYPE:**
SOURCE: GULF REF, CLCLRE I C 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-114.0	BOND	CARTHAGE	LIMESTONE	-	690.0
-498.0	CARBONDALE	HERRIN	COAL	-	1074.0

MAPID: 02500005000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.638523 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.666102 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 561.0 **LOGGED (FT.):** 5610.0 **LOG TYPE:**
SOURCE: STEWART A, WALKER HRS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-147.0	BOND	CARTHAGE	LIMESTONE	-	708.0
-544.0	CARBONDALE	HERRIN	COAL	2.5	1105.0
-609.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1170.0
-1365.0	BASE OF PENN.		UNCLASSIFIED	-	1926.0

MAPID: 02500005000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.638523 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.666102 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 561.0 **LOGGED (FT.):** 3082.0 **LOG TYPE:**
SOURCE: STEWART A, WALKER HRS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-147.0	BOND	CARTHAGE	LIMESTONE	-	708.0
-544.0	CARBONDALE	HERRIN	COAL	2.5	1105.0

MAPID: 02500005000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: XENIA **LONGITUDE:** -88.638523 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.666102 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 561.0 **LOGGED (FT.):** 1172.0 **LOG TYPE:** Electric Log
SOURCE: STEWART A L **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-149.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-607.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1168.0	ROOF: 2ST.D

MAPID: 02501255000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 28 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW
QUADRANGLE: XENIA **LONGITUDE:** -88.657082 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.673166 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 1107.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-138.0	BOND	CARTHAGE	LIMESTONE	-	666.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1103.0	

MAPID: 02500006000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 32 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: XENIA **LONGITUDE:** -88.661838 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.652977 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 568.0 **LOGGED (FT.):** 5680.0 **LOG TYPE:**
SOURCE: GORDON&RBN, CANNON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-88.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-490.0	CARBONDALE	HERRIN	COAL	2.0	1058.0	
-556.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1124.0	
-1352.0	BASE OF PENN.		UNCLASSIFIED	-	1920.0	

MAPID: 02500006000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 32 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: XENIA **LONGITUDE:** -88.661838 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.652977 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 568.0 **LOGGED (FT.):** 3030.0 **LOG TYPE:**
SOURCE: GORDON RBN, CANNON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-88.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-490.0	CARBONDALE	HERRIN	COAL	2.0	1058.0	

MAPID: 02501028000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: XENIA **LONGITUDE:** -88.666553 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.656561 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 1124.0 **LOG TYPE:** Electric Log
SOURCE: BLACK & BLACK OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-114.0	BOND	CARTHAGE	LIMESTONE	-	662.0	
-572.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1120.0	

MAPID: 02500693000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' S line, 330' E line
QUADRANGLE: XENIA NE **LONGITUDE:** -88.622358 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.651724 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 512.0 **LOGGED (FT.):** 1080.0 **LOG TYPE:** Electric Log
SOURCE: MORAN, E. F., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-99.0	BOND	CARTHAGE	LIMESTONE	-	611.0	
-564.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	ROOF: 3'BL SH

MAPID: 02501256000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 5E SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NE
 QUADRANGLE: XENIA NE LONGITUDE: -88.624602 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.664444 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 557.0 LOGGED (FT.): 1142.0 LOG TYPE: Electric Log
 SOURCE: MACDONELL CO. OF LIMA WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-133.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-581.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1138.0	ROOF: 3'BK SH

MAPID: 02500511000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 5E SECTION: 35 QUARTERS/FOOTAGES: SW SE SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.606042 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.65177 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 5270.0 LOG TYPE:
 SOURCE: NAT ASSOC, MODLIN EST0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-81.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-457.0	CARBONDALE	HERRIN	COAL	1.5	984.0	
-515.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1042.0	
-1321.0	BASE OF PENN.		UNCLASSIFIED	-	1848.0	

MAPID: 02500511000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 3N 5E SECTION: 35 QUARTERS/FOOTAGES: SW SE SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.606042 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.65177 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 3010.0 LOG TYPE:
 SOURCE: NAT ASSOC, MODLIN EST0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-81.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-457.0	CARBONDALE	HERRIN	COAL	1.5	984.0	

MAPID: 02501053000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.61067 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.657245 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 1067.0 **LOG TYPE:** Electric Log
SOURCE: CLAYPOOL DAVID N **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-90.0	BOND	CARTHAGE	LIMESTONE	-	621.0	
-532.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1063.0	ROOF: 3'SH

MAPID: 02500512000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 36 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.594291 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.664702 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 5190.0 **LOG TYPE:**
SOURCE: LYNN J J, ANDRN&BRYN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-45.0	BOND	CARTHAGE	LIMESTONE	-	564.0	
-430.0	CARBONDALE	HERRIN	COAL	2.0	949.0	
-485.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1004.0	
-1328.0	BASE OF PENN.		UNCLASSIFIED	-	1847.0	

MAPID: 02500512000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 36 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.594291 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.664702 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 2735.0 **LOG TYPE:**
SOURCE: LYNN J J, ANDRN&BRYN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-45.0	BOND	CARTHAGE	LIMESTONE	-	564.0	
-430.0	CARBONDALE	HERRIN	COAL	2.0	949.0	

MAPID: 02500557000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 36 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.592021 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.657382 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 2970.0 **LOG TYPE:**
SOURCE: LYNN J J, CRAFT 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-54.0	BOND	CARTHAGE	LIMESTONE	-	577.0
-417.0	CARBONDALE	HERRIN	COAL	-	940.0

MAPID: 02500558000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' S line, 333' E line of SW SW SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.601391 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.651781 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 2987.0 **LOG TYPE:**
SOURCE: SLAGTR AJR, TACKITT C 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-66.0	BOND	CARTHAGE	LIMESTONE	-	589.0
-441.0	CARBONDALE	HERRIN	COAL	3.0	964.0

MAPID: 02501057000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.592008 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.659209 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 995.0 **LOG TYPE:** Electric Log
SOURCE: SHOOTS GEO E **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	561.0
-472.0	CARBONDALE	SPRINGFIELD	COAL	4.0	991.0

MAPID: 02501158000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: CLAY **TWP/RNG:** 3N 5E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.58732 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.662939 **DATE COLLECTED:** 7 / 0 / 1959
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 1213.0 **LOG TYPE:** Microresistivity Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-421.0	CARBONDALE	HERRIN	COAL	-	944.0	
-690.0	CARBONDALE	COLCHESTER	COAL	-	1213.0	

MAPID: 02500805000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: FLORA **LONGITUDE:** -88.478891 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.728749 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 1117.0 **LOG TYPE:** Electric Log
SOURCE: HERNDON DRLG. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-202.0	BOND	CARTHAGE	LIMESTONE	-	674.0	
-588.0	CARBONDALE	HERRIN	COAL	-	1060.0	
-641.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1113.0	ROOF: 4SH

MAPID: 02501017000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 2 **QUARTERS/FOOTAGES:** 355' N line, 330' E line of SW
QUADRANGLE: FLORA **LONGITUDE:** -88.499955 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.729203 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 477.0 **LOGGED (FT.):** 1110.0 **LOG TYPE:** Electric Log
SOURCE: SMITH A R & MILTON **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-191.0	BOND	CARTHAGE	LIMESTONE	-	668.0	
-579.0	CARBONDALE	HERRIN	COAL	3.0	1056.0	
-630.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1107.0	ROOF: SH

MAPID: 02501258000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 3 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: XENIA NE LONGITUDE: -88.518576 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.729683 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 479.0 LOGGED (FT.): 1067.0 LOG TYPE: Electric Log
 SOURCE: SHULMAN BROS. INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	636.0	
-533.0	CARBONDALE	HERRIN	COAL	3.0	1012.0	
-584.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1063.0	ROOF: 3'SH

MAPID: 02501434000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW
 QUADRANGLE: XENIA NE LONGITUDE: -88.537258 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.733754 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 1099.0 LOG TYPE: Electric Log
 SOURCE: MARCH DRILLING CO. WELL TYPE: Temporarily Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-152.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-531.0	CARBONDALE	HERRIN	COAL	-	1035.0	
-591.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1095.0	ROOF: 13'SH

MAPID: 02501260000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 330' W line of SW
 QUADRANGLE: XENIA NE LONGITUDE: -88.58196 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.725232 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 1103.0 LOG TYPE: Electric Log
 SOURCE: SHULMAN BROS. INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	675.0	
-522.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-580.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1098.0	

MAPID: 02501261000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 7 QUARTERS/FOOTAGES: 495' S line, 660' E line of SW
 QUADRANGLE: XENIA NE LONGITUDE: -88.575974 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.710955 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 502.0 LOGGED (FT.): 1072.0 LOG TYPE: Electric Log
 SOURCE: MCCOLLUM, JAMES R. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-128.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-508.0	CARBONDALE	HERRIN	COAL	2.0	1010.0	
-566.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1068.0	ROOF: 2ST.D

MAPID: 02501262000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SW
 QUADRANGLE: XENIA NE LONGITUDE: -88.560446 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.710355 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 517.0 LOGGED (FT.): 1096.0 LOG TYPE: Electric Log
 SOURCE: WAYNE DRLG CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-109.0	BOND	CARTHAGE	LIMESTONE	-	626.0	
-513.0	CARBONDALE	HERRIN	COAL	-	1030.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1092.0	ROOF: 2ST.D

MAPID: 02500304000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 9 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.527911 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.709667 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 4810.0 LOG TYPE:
 SOURCE: CUPPS L B, FROST D 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-133.0	BOND	CARTHAGE	LIMESTONE	-	614.0	
-522.0	CARBONDALE	HERRIN	COAL	-	1003.0	
-579.0	CARBONDALE	SPRINGFIELD	COAL	-	1060.0	
-1446.0	BASE OF PENN.		UNCLASSIFIED	-	1927.0	

MAPID: 02504970000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.534872 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.70983 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 1093.0 LOG TYPE: Electric Log
 SOURCE: AMOCO PROD. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-148.0	BOND	CARTHAGE	LIMESTONE	-	644.0	
-534.0	CARBONDALE	HERRIN	COAL	4.0	1030.0	
-593.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1089.0	ROOF: 1'SH, 2'ST.D

MAPID: 02501264000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: XENIA NE LONGITUDE: -88.518564 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.714945 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 1076.0 LOG TYPE: Electric Log
 SOURCE: FLEMING, F. J. DRLG. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-144.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-530.0	CARBONDALE	HERRIN	COAL	-	1018.0	
-584.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1072.0	ROOF: 2ST.D

MAPID: 02504538000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NW
 QUADRANGLE: XENIA NE LONGITUDE: -88.523275 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.722411 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 1078.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-594.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1075.0	

MAPID: 02501265000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE
 QUADRANGLE: FLORA LONGITUDE: -88.495231 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.708809 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 1108.0 LOG TYPE: Electric Log
 SOURCE: SMITH C T WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-154.0	BOND	CARTHAGE	LIMESTONE	-	625.0	
-571.0	CARBONDALE	HERRIN	COAL	-	1042.0	
-633.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1104.0	ROOF: 2ST.D

MAPID: 02500305000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 12 QUARTERS/FOOTAGES: SE NW SE
 QUADRANGLE: FLORA LONGITUDE: -88.476484 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.712096 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 4640.0 LOG TYPE:
 SOURCE: MARTN&GDSN, NASH 0005 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-160.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-566.0	CARBONDALE	HERRIN	COAL	2.5	1030.0	
-616.0	CARBONDALE	SPRINGFIELD	COAL	-	1080.0	
-1506.0	BASE OF PENN.		UNCLASSIFIED	-	1970.0	

MAPID: 02501266000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: FLORA LONGITUDE: -88.488253 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.708646 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 1103.0 LOG TYPE: Electric Log
 SOURCE: SANDERS & FYE DRILLING WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-165.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1038.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1100.0	ROOF: 3ST.D

MAPID: 02500306000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.485803 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.70127 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 4670.0 **LOG TYPE:**
SOURCE: TIDE WATER, HILL G 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-154.0	BOND	CARTHAGE	LIMESTONE	-	621.0
-567.0	CARBONDALE	HERRIN	COAL	3.0	1034.0
-627.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1094.0

MAPID: 02500307000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 13 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.476397 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.699296 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 4680.0 **LOG TYPE:**
SOURCE: CARTER OC, NEELY E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-134.0	BOND	CARTHAGE	LIMESTONE	-	602.0
-542.0	CARBONDALE	HERRIN	COAL	2.0	1010.0
-599.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1067.0

MAPID: 02500310000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 13 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.483375 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.693902 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 4680.0 **LOG TYPE:**
SOURCE: GULF REF, PEARCE R 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-135.0	BOND	CARTHAGE	LIMESTONE	-	603.0
-549.0	CARBONDALE	HERRIN	COAL	2.5	1017.0
-604.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1072.0
-1506.0	BASE OF PENN.		UNCLASSIFIED	-	1974.0

MAPID: 02500312000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.485718 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.69393 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 469.0 **LOGGED (FT.):** 4690.0 **LOG TYPE:**
SOURCE: TIDE WATER, WINKA T 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-135.0	BOND	CARTHAGE	LIMESTONE	-	604.0
-548.0	CARBONDALE	HERRIN	COAL	2.5	1017.0
-605.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1074.0

MAPID: 02500313000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.485761 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.6976 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 4670.0 **LOG TYPE:**
SOURCE: TIDE WATER, WINKA T 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-135.0	BOND	CARTHAGE	LIMESTONE	-	602.0
-555.0	CARBONDALE	HERRIN	COAL	-	1022.0
-615.0	CARBONDALE	SPRINGFIELD	COAL	-	1082.0
-1455.0	BASE OF PENN.		UNCLASSIFIED	-	1922.0

MAPID: 02500421000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.476413 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.701124 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 4730.0 **LOG TYPE:**
SOURCE: KINGWOODOC, GRAHAM 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-134.0	BOND	CARTHAGE	LIMESTONE	-	607.0
-544.0	CARBONDALE	HERRIN	COAL	2.0	1017.0
-601.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1074.0
-1464.0	BASE OF PENN.		UNCLASSIFIED	-	1937.0

MAPID: 02502542000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NW
 QUADRANGLE: FLORA LONGITUDE: -88.48821 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.704974 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 1106.0 LOG TYPE: Electric Log
 SOURCE: SMITH MILTON WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-162.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-575.0	CARBONDALE	HERRIN	COAL	-	1045.0	
-632.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1102.0	ROOF: 1'ST.D

MAPID: 02500314000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 14 QUARTERS/FOOTAGES: NE SE SE
 QUADRANGLE: FLORA LONGITUDE: -88.490422 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.695841 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 4660.0 LOG TYPE:
 SOURCE: NAT REF, GOODENGH A0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-135.0	BOND	CARTHAGE	LIMESTONE	-	601.0	
-558.0	CARBONDALE	HERRIN	COAL	2.0	1024.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1086.0	

MAPID: 02500365000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 14 QUARTERS/FOOTAGES: SW NW NW
 QUADRANGLE: XENIA NE LONGITUDE: -88.506843 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.70543 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 4750.0 LOG TYPE:
 SOURCE: MILLER DRC, DUNNIGAN C0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-134.0	BOND	CARTHAGE	LIMESTONE	-	609.0	
-540.0	CARBONDALE	HERRIN	COAL	1.5	1015.0	
-595.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1070.0	
-1425.0	BASE OF PENN.		UNCLASSIFIED	-	1900.0	

MAPID: 02500366000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.492847 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.703247 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 4700.0 **LOG TYPE:**
SOURCE: GULF REF, WORTHAM E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	621.0	
-574.0	CARBONDALE	HERRIN	COAL	2.0	1044.0	
-632.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1102.0	

MAPID: 02500396000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.490492 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.701352 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 4670.0 **LOG TYPE:**
SOURCE: GULF REF, WORTHAM E 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-146.0	BOND	CARTHAGE	LIMESTONE	-	613.0	
-567.0	CARBONDALE	HERRIN	COAL	2.0	1034.0	
-629.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1096.0	

MAPID: 02500639000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.505685 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.70632 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 1101.0 **LOG TYPE:** Electric Log
SOURCE: WILLIAMS MERLE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	623.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1041.0	
-625.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1097.0	ROOF: 3ST.D

MAPID: 02500699000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.513758 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.69457 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 487.0 **LOGGED (FT.):** 1108.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	638.0	
-557.0	CARBONDALE	HERRIN	COAL	-	1044.0	
-616.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1103.0	ROOF: 1'ST.D

MAPID: 02500367000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 16 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.534802 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.702458 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 5210.0 **LOG TYPE:**
SOURCE: TALBOT C W, SMITH A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-111.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-509.0	CARBONDALE	HERRIN	COAL	1.0	1030.0	
-566.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1087.0	
-1445.0	BASE OF PENN.		UNCLASSIFIED	-	1966.0	

MAPID: 02505036000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' S line, 660' E line of SW NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.542942 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.702672 **DATE COLLECTED:** 5 / 24 / 1973
SURFACE ELEVATION (FT.): 512.0 **LOGGED (FT.):** 1258.0 **LOG TYPE:** Induction Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-512.0	CARBONDALE	HERRIN	COAL	-	1024.0	
-746.0	CARBONDALE	COLCHESTER	COAL	-	1258.0	

MAPID: 02505036000C VERSION: 2

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 660' E line of SW NW
 QUADRANGLE: XENIA NE LONGITUDE: -88.542942 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.702672 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 1081.0 LOG TYPE: Electric Log
 SOURCE: SO. IL OIL PROD., INC. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-122.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-507.0	CARBONDALE	HERRIN	COAL	-	1019.0	
-565.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1077.0	ROOF: 1'SH, 2'ST.D

MAPID: 02501270000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' W line
 QUADRANGLE: XENIA NE LONGITUDE: -88.562563 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.695739 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 1070.0 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	
-93.0	BOND	CARTHAGE	LIMESTONE	-	616.0	
-486.0	CARBONDALE	HERRIN	COAL	-	1009.0	
-543.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1066.0	ROOF: 1'ST.D

MAPID: 02502594000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' W line
 QUADRANGLE: XENIA NE LONGITUDE: -88.582226 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.708718 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 1073.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-124.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-500.0	CARBONDALE	HERRIN	COAL	-	1006.0	
-563.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1069.0	ROOF: 1'ST.D

MAPID: 02501271000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.569789 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.681099 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 516.0 LOGGED (FT.): 1047.0 LOG TYPE: Electric Log
 SOURCE: PRUETT TIM WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-79.0	BOND	CARTHAGE	LIMESTONE	-	595.0	
-471.0	CARBONDALE	HERRIN	COAL	-	987.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1042.0	ROOF: 5SH

MAPID: 02501272000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 20 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW
 QUADRANGLE: XENIA NE LONGITUDE: -88.555613 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.693775 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 1115.0 LOG TYPE: Electric Log
 SOURCE: FULK OIL COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-108.0	BOND	CARTHAGE	LIMESTONE	-	658.0	
-497.0	CARBONDALE	HERRIN	COAL	-	1047.0	
-561.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1111.0	ROOF: 3ST.D

MAPID: 02501273000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 21 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW
 QUADRANGLE: XENIA NE LONGITUDE: -88.536972 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.680383 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 1125.0 LOG TYPE: Electric Log
 SOURCE: BOLIN, D. H. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-148.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-553.0	CARBONDALE	HERRIN	COAL	-	1065.0	
-609.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1121.0	ROOF: 1'SH, 2'ST.D

MAPID: 02500765000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.511375 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.685328 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 1118.0 LOG TYPE: Electric Log
 SOURCE: DIXON FREHLING PROD WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-161.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-566.0	CARBONDALE	HERRIN	COAL	-	1055.0	
-625.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1114.0	ROOF: 3ST.D

MAPID: 02500308000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 23 QUARTERS/FOOTAGES: SW SE NE
 QUADRANGLE: FLORA LONGITUDE: -88.492676 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.686694 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 475.0 LOGGED (FT.): 4750.0 LOG TYPE:
 SOURCE: DEEP ROCK, THOMPSON A0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-152.0	BOND	CARTHAGE	LIMESTONE	-	627.0	
-573.0	CARBONDALE	HERRIN	COAL	2.0	1048.0	
-635.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1110.0	

MAPID: 02500309000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 23 QUARTERS/FOOTAGES: SW NE NE
 QUADRANGLE: FLORA LONGITUDE: -88.492705 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.69038 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 4740.0 LOG TYPE:
 SOURCE: KINGWOODOC, GATEWOOD A0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-562.0	CARBONDALE	HERRIN	COAL	2.0	1036.0	
-624.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1098.0	

MAPID: 02501813000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE

QUADRANGLE: FLORA LONGITUDE: -88.490372 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.692174 DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 1087.0 LOG TYPE: Electric Log

SOURCE: EAST CENT. DEV. CO., INC WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-147.0	BOND	CARTHAGE	LIMESTONE	-	614.0	
-556.0	CARBONDALE	HERRIN	COAL	-	1023.0	
-617.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1084.0	ROOF: 1'SH, 3'ST.D

MAPID: 02500315000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 24 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: FLORA LONGITUDE: -88.488037 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.692117 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 4710.0 LOG TYPE:

SOURCE: NAT REF, THING A C 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-144.0	BOND	CARTHAGE	LIMESTONE	-	615.0	
-551.0	CARBONDALE	HERRIN	COAL	2.5	1022.0	
-611.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1082.0	

MAPID: 02500316000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 24 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: FLORA LONGITUDE: -88.48796 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.682887 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 4890.0 LOG TYPE:

SOURCE: STANLND OG, RIGGLE C 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-153.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-583.0	CARBONDALE	HERRIN	COAL	2.0	1072.0	
-645.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1134.0	
-1487.0	BASE OF PENN.		UNCLASSIFIED	-	1976.0	

MAPID: 02502603000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.473972 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.690031 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 470.0 **LOGGED (FT.):** 1094.0 **LOG TYPE:** Electric Log
SOURCE: KROHN, WM. H. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-146.0	BOND	CARTHAGE	LIMESTONE	-	616.0	
-562.0	CARBONDALE	HERRIN	COAL	-	1032.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1090.0	ROOF: 6SH

MAPID: 02500631000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 26 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.501965 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.670363 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 496.0 **LOGGED (FT.):** 1144.0 **LOG TYPE:** Electric Log
SOURCE: PARTLOW & COCHONOUR **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-154.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-579.0	CARBONDALE	HERRIN	COAL	-	1075.0	
-644.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1140.0	ROOF: 2ST.D

MAPID: 02501275000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 27 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.525225 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.670895 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 501.0 **LOGGED (FT.):** 1142.0 **LOG TYPE:** Electric Log
SOURCE: ASHLAND OIL&REF. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-147.0	BOND	CARTHAGE	LIMESTONE	-	648.0	
-573.0	CARBONDALE	HERRIN	COAL	-	1074.0	
-636.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1137.0	ROOF: 6SH

MAPID: 02502606000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.546263 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.676973 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 515.0 **LOGGED (FT.):** 1129.0 **LOG TYPE:** Electric Log
SOURCE: SLAGTER ARTHUR J JR **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-145.0	BOND	CARTHAGE	LIMESTONE	-	660.0
-548.0	CARBONDALE	HERRIN	COAL	-	1063.0
-609.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1124.0

MAPID: 02500317000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.569878 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.671869 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 4720.0 **LOG TYPE:**
SOURCE: WILLIAMS B, THOMPSON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-58.0	BOND	CARTHAGE	LIMESTONE	-	530.0
-453.0	CARBONDALE	HERRIN	COAL	2.0	925.0
-510.0	CARBONDALE	SPRINGFIELD	COAL	2.0	982.0
-1373.0	BASE OF PENN.		UNCLASSIFIED	-	1845.0

MAPID: 02500318000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.572394 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.675587 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 505.0 **LOGGED (FT.):** 5050.0 **LOG TYPE:**
SOURCE: LYNN J J, GREENE 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-68.0	BOND	CARTHAGE	LIMESTONE	-	573.0
-451.0	CARBONDALE	HERRIN	COAL	2.5	956.0
-513.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1018.0
-1350.0	BASE OF PENN.		UNCLASSIFIED	-	1855.0

MAPID: 02500368000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.57992 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.677505 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 512.0 **LOGGED (FT.):** 5120.0 **LOG TYPE:**
SOURCE: LYNN J J, COMMUNITY **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-64.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-452.0	CARBONDALE	HERRIN	COAL	1.0	964.0
-508.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1020.0
-1308.0	BASE OF PENN.		UNCLASSIFIED	-	1820.0

MAPID: 02500369000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.567365 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.675546 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 5040.0 **LOG TYPE:**
SOURCE: LYNN J J, WEILDT 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-59.0	BOND	CARTHAGE	LIMESTONE	-	563.0
-452.0	CARBONDALE	HERRIN	COAL	2.5	956.0
-504.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1008.0

MAPID: 02500370000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.574898 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.677459 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 512.0 **LOGGED (FT.):** 5120.0 **LOG TYPE:**
SOURCE: LYNN J J, CHASTEEN 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-78.0	BOND	CARTHAGE	LIMESTONE	-	590.0
-468.0	CARBONDALE	HERRIN	COAL	2.5	980.0
-527.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1039.0

MAPID: 02500397000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 6E

SECTION: 30

QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: XENIA NE

LONGITUDE: -88.569881

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.67002

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 497.0

LOGGED (FT.): 4970.0

LOG TYPE:

SOURCE: LYNN J J, GREENE 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-67.0	BOND	CARTHAGE	LIMESTONE	-	564.0
-458.0	CARBONDALE	HERRIN	COAL	2.5	955.0
-515.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1012.0
-1290.0	BASE OF PENN.		UNCLASSIFIED	-	1787.0

MAPID: 02500398000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 6E

SECTION: 30

QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: XENIA NE

LONGITUDE: -88.582482

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.671948

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 522.0

LOGGED (FT.): 5220.0

LOG TYPE:

SOURCE: LYNN J J, JOPLIN 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-427.0	CARBONDALE	HERRIN	COAL	2.0	949.0
-482.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1004.0
-1280.0	BASE OF PENN.		UNCLASSIFIED	-	1802.0

MAPID: 02500495000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 3N 6E

SECTION: 30

QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: XENIA NE

LONGITUDE: -88.582465

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.673806

DATE COLLECTED:

SURFACE ELEVATION (FT.): 513.0

LOGGED (FT.): 1012.0

LOG TYPE: Electric Log

SOURCE: LYNN J J

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-495.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1008.0

MAPID: 02500495000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.582465 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.673806 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 513.0 **LOGGED (FT.):** 5130.0 **LOG TYPE:**
SOURCE: LYNN J J, DEAIN 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-54.0	BOND	CARTHAGE	LIMESTONE	-	567.0	
-433.0	CARBONDALE	HERRIN	COAL	3.0	946.0	
-488.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1001.0	
-1345.0	BASE OF PENN.		UNCLASSIFIED	-	1858.0	

MAPID: 02500495000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.582465 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.673806 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2726.0 **LOG TYPE:** Survey Sample Study
SOURCE: LYNN J J **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: 02501016000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 30 **QUARTERS/FOOTAGES:** 330' N line, 990' W line of SW SW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.58029 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.668236 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 508.0 **LOGGED (FT.):** 1009.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-59.0	BOND	CARTHAGE	LIMESTONE	-	567.0	
-435.0	CARBONDALE	HERRIN	COAL	-	943.0	
-497.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1005.0	ROOF: 1'ST.D

MAPID: 02500510000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 31 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.572422 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.664493 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 516.0 **LOGGED (FT.):** 5160.0 **LOG TYPE:**
SOURCE: LYNN J J, COLLEGE 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-78.0	BOND	CARTHAGE	LIMESTONE	-	594.0	
-466.0	CARBONDALE	HERRIN	COAL	2.5	982.0	
-522.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1038.0	

MAPID: 02500516000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 31 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.580014 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.664524 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 5200.0 **LOG TYPE:**
SOURCE: LYNN J J, ALLISON 00C3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-62.0	BOND	CARTHAGE	LIMESTONE	-	582.0	
-448.0	CARBONDALE	HERRIN	COAL	2.0	968.0	
-504.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1024.0	
-1369.0	BASE OF PENN.		UNCLASSIFIED	-	1889.0	

MAPID: 02500988000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 31 **QUARTERS/FOOTAGES:** 430' N line, 330' W line of NW
QUADRANGLE: XENIA NE **LONGITUDE:** -88.582651 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.664252 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 1020.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-49.0	BOND	CARTHAGE	LIMESTONE	-	575.0	
-435.0	CARBONDALE	HERRIN	COAL	-	961.0	
-491.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1017.0	ROOF: 3ST.D

MAPID: 02501277000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE
 QUADRANGLE: XENIA NE LONGITUDE: -88.527499 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.658101 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 1130.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-145.0	BOND	CARTHAGE	LIMESTONE	-	645.0	
-564.0	CARBONDALE	HERRIN	COAL	-	1064.0	
-626.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1126.0	ROOF: 5'DK SH

MAPID: 02500513000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 34 QUARTERS/FOOTAGES: SW NW SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.515888 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.654162 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 1108.0 LOG TYPE: Electric Log
 SOURCE: GULF REFINING CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-143.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-550.0	CARBONDALE	HERRIN	COAL	-	1042.0	
-611.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1103.0	ROOF: 5'SH

MAPID: 02500513000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 6E SECTION: 34 QUARTERS/FOOTAGES: SW NW SE
 QUADRANGLE: XENIA NE LONGITUDE: -88.515888 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.654162 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 4920.0 LOG TYPE:
 SOURCE: GULF REF, MCVEIGH W 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-143.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-550.0	CARBONDALE	HERRIN	COAL	2.0	1042.0	
-610.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1102.0	
-1498.0	BASE OF PENN.		UNCLASSIFIED	-	1990.0	

MAPID: 02500688000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW
QUADRANGLE: FLORA **LONGITUDE:** -88.499538 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.650036 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 1136.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-152.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-572.0	CARBONDALE	HERRIN	COAL	-	1076.0	
-628.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1132.0	ROOF: 2ST.D

MAPID: 02501278000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 6E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: FLORA **LONGITUDE:** -88.478467 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.654946 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 1149.0 **LOG TYPE:** Electric Log
SOURCE: RELIANCE OIL CORP. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-187.0	BOND	CARTHAGE	LIMESTONE	-	665.0	
-604.0	CARBONDALE	HERRIN	COAL	-	1082.0	
-666.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1144.0	ROOF: 1ST.D

MAPID: 02500250000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.396637 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.732847 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 4310.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, FRANKLIN B0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-573.0	CARBONDALE	HERRIN	COAL	2.0	1004.0	
-617.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1048.0	
-1563.0	BASE OF PENN.		UNCLASSIFIED	-	1994.0	

MAPID: 02500251000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: FLORA **LONGITUDE:** -88.382668 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.721634 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 4310.0 **LOG TYPE:**
SOURCE: DUNCAN N&W, PATRIDG J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-445.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	876.0
-596.0	CARBONDALE	HERRIN	COAL	1.0	1027.0
-640.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1071.0
-1579.0	BASE OF PENN.		UNCLASSIFIED	-	2010.0

MAPID: 02500252000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.396693 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.725603 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, PHILLIPS 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-585.0	CARBONDALE	HERRIN	COAL	2.0	1018.0
-629.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1062.0

MAPID: 02500253000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.396665 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.729225 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, PHILLIPS 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-582.0	CARBONDALE	HERRIN	COAL	1.0	1016.0
-624.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1058.0
-1572.0	BASE OF PENN.		UNCLASSIFIED	-	2006.0

MAPID: 02500254000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.387353 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.721751 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 4310.0 **LOG TYPE:**
SOURCE: WISER OC, SULLENS J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-600.0	CARBONDALE	HERRIN	COAL	2.5	1031.0
-645.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1076.0
-1594.0	BASE OF PENN.		UNCLASSIFIED	-	2025.0

MAPID: 02500255000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.396721 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.721978 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, THOMPSON 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-592.0	CARBONDALE	HERRIN	COAL	2.0	1026.0
-641.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1075.0
-1561.0	BASE OF PENN.		UNCLASSIFIED	-	1995.0

MAPID: 02500256000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.387249 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.730861 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 432.0 **LOGGED (FT.):** 4320.0 **LOG TYPE:**
SOURCE: NAT REF, TOLLIVER M0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-595.0	CARBONDALE	HERRIN	COAL	1.5	1027.0
-640.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1072.0
-1584.0	BASE OF PENN.		UNCLASSIFIED	-	2016.0

MAPID: 02500284000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.394364 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.723737 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 4350.0 **LOG TYPE:**
SOURCE: BRIT AM OP, DANNELLS B0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-445.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	880.0
-586.0	CARBONDALE	HERRIN	COAL	1.5	1021.0
-632.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1067.0
-1570.0	BASE OF PENN.		UNCLASSIFIED	-	2005.0

MAPID: 02500344000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.399025 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.727461 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, PHILLIPS F0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-580.0	CARBONDALE	HERRIN	COAL	3.0	1014.0
-626.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1060.0
-1559.0	BASE OF PENN.		UNCLASSIFIED	-	1993.0

MAPID: 02500482000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.391932 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.732767 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 4430.0 **LOG TYPE:**
SOURCE: RBNSN PUCK, TOLLIVER J00B1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-411.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	854.0
-573.0	CARBONDALE	HERRIN	COAL	2.5	1016.0
-619.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1062.0
-1560.0	BASE OF PENN.		UNCLASSIFIED	-	2003.0

MAPID: 02500494000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 2 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.396707 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.723789 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DANNELLS C0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-592.0	CARBONDALE	HERRIN	COAL	2.5	1026.0
-635.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1069.0
-1562.0	BASE OF PENN.		UNCLASSIFIED	-	1996.0

MAPID: 02500257000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.401352 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.732925 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, CLARK A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-574.0	CARBONDALE	HERRIN	COAL	1.5	1007.0
-617.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1050.0
-1574.0	BASE OF PENN.		UNCLASSIFIED	-	2007.0

MAPID: 02500258000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.406168 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.725765 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DICKEY H 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-564.0	CARBONDALE	HERRIN	COAL	2.5	997.0
-610.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1043.0
-1580.0	BASE OF PENN.		UNCLASSIFIED	-	2013.0

MAPID: 02500259000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.406168 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.725765 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, HAGEN L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-576.0	CARBONDALE	HERRIN	COAL	2.0	1010.0	
-625.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1059.0	
-1546.0	BASE OF PENN.		UNCLASSIFIED	-	1980.0	

MAPID: 02500261000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.415662 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.729507 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:** Electric Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-621.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1056.0	ROOF: 2ST.D

MAPID: 02500261000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.415662 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.729507 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 4350.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, MCNEELY C 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-385.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	820.0	
-571.0	CARBONDALE	HERRIN	COAL	3.0	1006.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1058.0	
-1555.0	BASE OF PENN.		UNCLASSIFIED	-	1990.0	

MAPID: 02500261000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.415662 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.729507 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3084.0 **LOG TYPE:** Survey Sample Study
SOURCE: MCBRIDE, W. C., INC. **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: 02500262000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: FLORA **LONGITUDE:** -88.401428 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.722084 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 4370.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, NEELY A H 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-187.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-401.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	838.0	
-584.0	CARBONDALE	HERRIN	COAL	3.0	1021.0	
-637.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1074.0	
-1560.0	BASE OF PENN.		UNCLASSIFIED	-	1997.0	

MAPID: 02500263000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NE SE
QUADRANGLE: FLORA **LONGITUDE:** -88.4014 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.725698 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, NEELY A H 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-583.0	CARBONDALE	HERRIN	COAL	2.0	1017.0	
-628.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1062.0	
-1572.0	BASE OF PENN.		UNCLASSIFIED	-	2006.0	

MAPID: 02500302000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.406195 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.722154 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 4360.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, CAILTEUX F0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-187.0	BOND	CARTHAGE	LIMESTONE	-	623.0	
-583.0	CARBONDALE	HERRIN	COAL	1.0	1019.0	
-628.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1064.0	
-1574.0	BASE OF PENN.		UNCLASSIFIED	-	2010.0	

MAPID: 02500345000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.401376 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.729311 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 1070.0 **LOG TYPE:** Electric Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-182.0	BOND	CARTHAGE	LIMESTONE	-	617.0	
-583.0	CARBONDALE	HERRIN	COAL	-	1018.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1066.0	ROOF: 4SH

MAPID: 02500345000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.401376 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.729311 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 4350.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, CLARK A 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-586.0	CARBONDALE	HERRIN	COAL	1.5	1021.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1066.0	
-1576.0	BASE OF PENN.		UNCLASSIFIED	-	2011.0	

MAPID: 02500483000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.40858 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.72219 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 4350.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, CAILTEUX F0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-187.0	BOND	CARTHAGE	LIMESTONE	-	622.0	
-587.0	CARBONDALE	HERRIN	COAL	1.5	1022.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1066.0	
-1571.0	BASE OF PENN.		UNCLASSIFIED	-	2006.0	

MAPID: 02502657000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.420358 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.733175 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 1067.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-578.0	CARBONDALE	HERRIN	COAL	-	1014.0	
-627.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1063.0	ROOF: 3ST.D

MAPID: 02500818000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.446359 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.724497 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 1124.0 **LOG TYPE:** Electric Log
SOURCE: LOHMANN-JOHNSON DRLG. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-197.0	BOND	CARTHAGE	LIMESTONE	-	662.0	
-601.0	CARBONDALE	HERRIN	COAL	-	1066.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1120.0	ROOF: 2ST.D

MAPID: 02500264000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 6 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.467478 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.732218 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 4740.0 **LOG TYPE:**
SOURCE: KINGWOODOC, COGGIN O D0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-221.0	BOND	CARTHAGE	LIMESTONE	-	695.0	
-614.0	CARBONDALE	HERRIN	COAL	2.5	1088.0	
-669.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1143.0	
-1588.0	BASE OF PENN.		UNCLASSIFIED	-	2062.0	

MAPID: 02500894000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE SE
QUADRANGLE: FLORA **LONGITUDE:** -88.46055 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.724851 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1131.0 **LOG TYPE:** Electric Log
SOURCE: ROBISON OIL COMPANY **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-194.0	BOND	CARTHAGE	LIMESTONE	-	662.0	
-600.0	CARBONDALE	HERRIN	COAL	-	1068.0	
-659.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1127.0	ROOF: 3ST.D

MAPID: 02500484000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 7 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.465291 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.708314 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 4730.0 **LOG TYPE:**
SOURCE: COOP REF, NASH E R 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-561.0	CARBONDALE	HERRIN	COAL	2.5	1034.0	
-616.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1089.0	
-1552.0	BASE OF PENN.		UNCLASSIFIED	-	2025.0	

MAPID: 02500904000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' S line, 990' W line of NE
QUADRANGLE: FLORA **LONGITUDE:** -88.462928 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.715676 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 1099.0 **LOG TYPE:** Electric Log
SOURCE: ROBISON OIL COMPANY **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	644.0	
-567.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1096.0	ROOF: 3ST.D

MAPID: 02500260000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 8 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.453549 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.715569 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 4620.0 **LOG TYPE:**
SOURCE: KINGWOODOC, BRISSENDEN0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-178.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-584.0	CARBONDALE	HERRIN	COAL	-	1046.0	
-637.0	CARBONDALE	SPRINGFIELD	COAL	-	1099.0	
-1557.0	BASE OF PENN.		UNCLASSIFIED	-	2019.0	

MAPID: 02500635000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 8 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.446422 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.719039 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 1100.0 **LOG TYPE:** Electric Log
SOURCE: LOHMANN-JOHNSON DRLG. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-155.0	BOND	CARTHAGE	LIMESTONE	-	616.0	
-577.0	CARBONDALE	HERRIN	COAL	-	1038.0	
-634.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1095.0	ROOF: 6SH

MAPID: 02500265000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SE NE SE
QUADRANGLE: FLORA **LONGITUDE:** -88.420598 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.711292 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 4560.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DEHART W 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-574.0	CARBONDALE	HERRIN	COAL	3.0	1030.0
-631.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1087.0
-1566.0	BASE OF PENN.		UNCLASSIFIED	-	2022.0

MAPID: 02500266000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.420559 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.714988 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 4530.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, GERMAN K 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-175.0	BOND	CARTHAGE	LIMESTONE	-	628.0
-573.0	CARBONDALE	HERRIN	COAL	2.0	1026.0
-623.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1076.0
-1579.0	BASE OF PENN.		UNCLASSIFIED	-	2032.0

MAPID: 02500267000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.425294 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.709505 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 4600.0 **LOG TYPE:**
SOURCE: OHIO OIL, STANFORD S0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-182.0	BOND	CARTHAGE	LIMESTONE	-	642.0
-447.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	907.0
-587.0	CARBONDALE	HERRIN	COAL	-	1047.0
-642.0	CARBONDALE	SPRINGFIELD	COAL	-	1102.0
-1567.0	BASE OF PENN.		UNCLASSIFIED	-	2027.0

MAPID: 02502706000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 0' W line of SE NE

QUADRANGLE: FLORA LONGITUDE: -88.424069 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.715007 DATE COLLECTED:

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 1080.0 LOG TYPE: Electric Log

SOURCE: LYNNS J J WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-177.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-581.0	CARBONDALE	HERRIN	COAL	-	1014.0	
-643.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	ROOF: 3SH

MAPID: 02500268000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 10 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: FLORA LONGITUDE: -88.415835 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.714911 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 432.0 LOGGED (FT.): 4320.0 LOG TYPE:

SOURCE: MCBRIDEINC, ARMSTG ETL0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-570.0	CARBONDALE	HERRIN	COAL	2.0	1002.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1050.0	
-1564.0	BASE OF PENN.		UNCLASSIFIED	-	1996.0	

MAPID: 02500269000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 10 QUARTERS/FOOTAGES: SE NW NW

QUADRANGLE: FLORA LONGITUDE: -88.415782 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.718616 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 4490.0 LOG TYPE:

SOURCE: MCBRIDEINC, ARMSTRONG 0002 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-586.0	CARBONDALE	HERRIN	COAL	3.0	1035.0	
-637.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1086.0	
-1567.0	BASE OF PENN.		UNCLASSIFIED	-	2016.0	

MAPID: 02500270000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.413436 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.716722 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 4500.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, BERLIN C 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-584.0	CARBONDALE	HERRIN	COAL	2.0	1034.0
-634.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1084.0
-1560.0	BASE OF PENN.		UNCLASSIFIED	-	2010.0

MAPID: 02500271000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.408687 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.716636 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 4430.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, BERLIN C 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-388.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	831.0
-589.0	CARBONDALE	HERRIN	COAL	2.5	1032.0
-639.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1082.0
-1564.0	BASE OF PENN.		UNCLASSIFIED	-	2007.0

MAPID: 02500272000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.418269 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.709404 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 4560.0 **LOG TYPE:**
SOURCE: SHULMN BRO, COLCLSRE C0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-179.0	BOND	CARTHAGE	LIMESTONE	-	635.0
-580.0	CARBONDALE	HERRIN	COAL	3.0	1036.0
-632.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1088.0
-1564.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0

MAPID: 02500273000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.415941 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.707499 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: SHULMN BRO, COLCLASURE0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-177.0	BOND	CARTHAGE	LIMESTONE	-	611.0
-439.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	873.0
-579.0	CARBONDALE	HERRIN	COAL	2.0	1013.0
-629.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1063.0
-1563.0	BASE OF PENN.		UNCLASSIFIED	-	1997.0

MAPID: 02500274000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.403941 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.716552 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 442.0 **LOGGED (FT.):** 4420.0 **LOG TYPE:**
SOURCE: SHULMN BRO, COLCLSRE C00B2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-578.0	CARBONDALE	HERRIN	COAL	2.0	1020.0
-631.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1073.0
-1553.0	BASE OF PENN.		UNCLASSIFIED	-	1995.0

MAPID: 02500279000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.418227 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.713103 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 4370.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DEHART W 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-567.0	CARBONDALE	HERRIN	COAL	1.0	1004.0
-617.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1054.0
-1573.0	BASE OF PENN.		UNCLASSIFIED	-	2010.0

MAPID: 02500280000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.413591 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.707444 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 4490.0 **LOG TYPE:**
SOURCE: SHULMN BRO, GILL S 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-585.0	CARBONDALE	HERRIN	COAL	2.0	1034.0
-638.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1087.0

MAPID: 02500281000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.403841 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.720282 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 4430.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, HANCOCK E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-577.0	CARBONDALE	HERRIN	COAL	3.0	1020.0
-627.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1070.0
-1533.0	BASE OF PENN.		UNCLASSIFIED	-	1976.0

MAPID: 02500282000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.408608 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.720357 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 4350.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, MOENCH W F0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-587.0	CARBONDALE	HERRIN	COAL	3.0	1022.0
-632.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1067.0
-1535.0	BASE OF PENN.		UNCLASSIFIED	-	1970.0

MAPID: 02500285000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.41356 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.709299 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 432.0 **LOGGED (FT.):** 4320.0 **LOG TYPE:**
SOURCE: SHULMN BRO, GILL S 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-174.0	BOND	CARTHAGE	LIMESTONE	-	606.0
-574.0	CARBONDALE	HERRIN	COAL	2.0	1006.0
-626.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1058.0
-1554.0	BASE OF PENN.		UNCLASSIFIED	-	1986.0

MAPID: 02500346000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.41586 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.713056 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 438.0 **LOGGED (FT.):** 4380.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DEHART W 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-166.0	BOND	CARTHAGE	LIMESTONE	-	604.0
-572.0	CARBONDALE	HERRIN	COAL	2.0	1010.0
-622.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1060.0

MAPID: 02501529000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.406338 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.714711 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 431.0 **LOGGED (FT.):** 1068.0 **LOG TYPE:** Electric Log
SOURCE: BALDWIN, DON H. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-174.0	BOND	CARTHAGE	LIMESTONE	-	605.0
-583.0	CARBONDALE	HERRIN	COAL	-	1014.0
-633.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1064.0 ROOF: 6SH

MAPID: 02500287000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.392108 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.71631 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: PRUETT T M, CAILTEUX 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-601.0	CARBONDALE	HERRIN	COAL	2.0	1034.0
-653.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1086.0
-1587.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0

MAPID: 02500288000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.387347 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.719915 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 432.0 **LOGGED (FT.):** 4320.0 **LOG TYPE:**
SOURCE: JONES J H, NEELEY 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-180.0	BOND	CARTHAGE	LIMESTONE	-	612.0
-593.0	CARBONDALE	HERRIN	COAL	2.5	1025.0
-638.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1070.0

MAPID: 02500289000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.396789 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.718277 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, PATTON H 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-184.0	BOND	CARTHAGE	LIMESTONE	-	618.0
-593.0	CARBONDALE	HERRIN	COAL	3.0	1027.0
-644.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1078.0

MAPID: 02500290000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.385008 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.718009 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: SANDERS J, STNFRD & L0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-577.0	CARBONDALE	HERRIN	COAL	3.0	1010.0
-627.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1060.0

MAPID: 02500291000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.399092 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.720198 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 435.0 **LOGGED (FT.):** 4350.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, PATTON H 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-189.0	BOND	CARTHAGE	LIMESTONE	-	624.0
-589.0	CARBONDALE	HERRIN	COAL	-	1024.0
-641.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1076.0
-1549.0	BASE OF PENN.		UNCLASSIFIED	-	1984.0

MAPID: 02500347000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.394396 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.720084 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, SMITH F 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-600.0	CARBONDALE	HERRIN	COAL	3.0	1034.0
-648.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1082.0
-1563.0	BASE OF PENN.		UNCLASSIFIED	-	1997.0

MAPID: 02500399000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.396925 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.712684 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 432.0 **LOGGED (FT.):** 4320.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, MORGAN S 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-182.0	BOND	CARTHAGE	LIMESTONE	-	614.0
-595.0	CARBONDALE	HERRIN	COAL	-	1027.0
-642.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1074.0
-1508.0	BASE OF PENN.		UNCLASSIFIED	-	1940.0

MAPID: 02500485000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.399303 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.712729 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, MORGAN 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-186.0	BOND	CARTHAGE	LIMESTONE	-	620.0
-590.0	CARBONDALE	HERRIN	COAL	2.0	1024.0
-639.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1073.0
-1531.0	BASE OF PENN.		UNCLASSIFIED	-	1965.0

MAPID: 02500486000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.396882 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.714547 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, PATTON 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-182.0	BOND	CARTHAGE	LIMESTONE	-	615.0
-602.0	CARBONDALE	HERRIN	COAL	2.0	1035.0
-651.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1084.0
-1523.0	BASE OF PENN.		UNCLASSIFIED	-	1956.0

MAPID: 02500487000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.399249 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.714595 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, PATTON H 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-185.0	BOND	CARTHAGE	LIMESTONE	-	618.0	
-587.0	CARBONDALE	HERRIN	COAL	2.0	1020.0	
-639.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1072.0	
-1519.0	BASE OF PENN.		UNCLASSIFIED	-	1952.0	

MAPID: 02501557000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.385049 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.714296 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 429.0 **LOGGED (FT.):** 1067.0 **LOG TYPE:** Electric Log
SOURCE: MCCULLUM & KINCAID **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-177.0	BOND	CARTHAGE	LIMESTONE	-	606.0	
-582.0	CARBONDALE	HERRIN	COAL	-	1011.0	
-635.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1064.0	ROOF: 3SH

MAPID: 02502737000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.370915 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.712274 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 430.0 **LOGGED (FT.):** 1082.0 **LOG TYPE:** Electric Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-194.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-597.0	CARBONDALE	HERRIN	COAL	-	1027.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1078.0	ROOF: 4SH

MAPID: 02500292000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 13

QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: CLAY CITY

LONGITUDE: -88.371019

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.695673

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 432.0

LOGGED (FT.): 4320.0

LOG TYPE:

SOURCE: LEONARD C, RALEY 0001

WELL TYPE: Oil and Gas Test

COMMENT: EXACT LOCATION UNCERTAIN

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-192.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-587.0	CARBONDALE	HERRIN	COAL	-	1019.0	
-638.0	CARBONDALE	SPRINGFIELD	COAL	-	1070.0	
-1593.0	BASE OF PENN.		UNCLASSIFIED	-	2025.0	

MAPID: 02501940000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 13

QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SW

QUADRANGLE: FLORA

LONGITUDE: -88.377982

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.69764

DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0

LOGGED (FT.): 974.0

LOG TYPE: Electric Log

SOURCE: GOOSE CREEK OIL CO.

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-172.0	BOND	CARTHAGE	LIMESTONE	-	622.0	
-656.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1106.0	ROOF: 4'ST.D

MAPID: 02502751000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 13

QUARTERS/FOOTAGES: 330' S line, 990' E line of NW NE

QUADRANGLE: CLAY CITY

LONGITUDE: -88.370934

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.70303

DATE COLLECTED:

SURFACE ELEVATION (FT.): 427.0

LOGGED (FT.): 1081.0

LOG TYPE: Electric Log

SOURCE: GRIFFIN&WALKER ASSOC

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-195.0	BOND	CARTHAGE	LIMESTONE	-	622.0	
-597.0	CARBONDALE	HERRIN	COAL	-	1024.0	
-651.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1078.0	ROOF: 1'SH, 3'ST.D

MAPID: 02500293000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 14

QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: FLORA

LONGITUDE: -88.392281

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.705171

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 458.0

LOGGED (FT.): 4580.0

LOG TYPE:

SOURCE: CHI SYND, STASER 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-189.0	BOND	CARTHAGE	LIMESTONE	-	647.0	
-602.0	CARBONDALE	HERRIN	COAL	2.0	1060.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1113.0	
-1577.0	BASE OF PENN.		UNCLASSIFIED	-	2035.0	

MAPID: 02500517000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 14

QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: FLORA

LONGITUDE: -88.382671

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.705035

DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 438.0

LOGGED (FT.): 4380.0

LOG TYPE:

SOURCE: MCBRIDEINC, HOHLBAUCH 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-195.0	BOND	CARTHAGE	LIMESTONE	-	633.0	
-604.0	CARBONDALE	HERRIN	COAL	1.0	1042.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1093.0	
-1544.0	BASE OF PENN.		UNCLASSIFIED	-	1982.0	

MAPID: 02500808000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 14

QUARTERS/FOOTAGES: 330' S line, 330' E line of NE NE

QUADRANGLE: FLORA

LONGITUDE: -88.382636

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.703199

DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0

LOGGED (FT.): 1123.0

LOG TYPE: Electric Log

SOURCE: MCBRIDE, W. C., INC.

WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-203.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-608.0	CARBONDALE	HERRIN	COAL	-	1065.0	
-661.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1118.0	ROOF: 6SH

MAPID: 02500294000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.415955 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.705646 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 4370.0 **LOG TYPE:**
SOURCE: SHULMN BRO, ROSS W E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-186.0	BOND	CARTHAGE	LIMESTONE	-	623.0
-584.0	CARBONDALE	HERRIN	COAL	1.5	1021.0
-639.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1076.0

MAPID: 02500295000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: FLORA **LONGITUDE:** -88.415945 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.694536 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 462.0 **LOGGED (FT.):** 4620.0 **LOG TYPE:**
SOURCE: MILLER DRC, SMITH C T 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-156.0	BOND	CARTHAGE	LIMESTONE	-	618.0
-578.0	CARBONDALE	HERRIN	COAL	-	1040.0
-630.0	CARBONDALE	SPRINGFIELD	COAL	-	1092.0
-1560.0	BASE OF PENN.		UNCLASSIFIED	-	2022.0

MAPID: 02500505000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.408911 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.694429 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 4660.0 **LOG TYPE:**
SOURCE: BELL BROS, CRICKMAN 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-182.0	BOND	CARTHAGE	LIMESTONE	-	648.0
-590.0	CARBONDALE	HERRIN	COAL	1.0	1056.0
-645.0	CARBONDALE	SPRINGFIELD	COAL	-	1111.0
-1538.0	BASE OF PENN.		UNCLASSIFIED	-	2004.0

MAPID: 02500515000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.413602 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.700044 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 4550.0 **LOG TYPE:**
SOURCE: BELL BROS, PEARCE H 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-166.0	BOND	CARTHAGE	LIMESTONE	-	621.0	
-428.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	883.0	
-572.0	CARBONDALE	HERRIN	COAL	2.0	1027.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1086.0	
-1565.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0	

MAPID: 02502770000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** 460' S line, 330' W line of NE
QUADRANGLE: FLORA **LONGITUDE:** -88.408919 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.700304 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 1119.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-183.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-586.0	CARBONDALE	HERRIN	COAL	-	1053.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1115.0	ROOF: 3'ST.D

MAPID: 02500498000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.430026 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.692878 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 460.6 **LOGGED (FT.):** 4606.0 **LOG TYPE:**
SOURCE: DORAN PAUL, BRISSENDEN0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-148.4	BOND	CARTHAGE	LIMESTONE	-	609.0	
-562.4	CARBONDALE	HERRIN	COAL	3.0	1023.0	
-609.4	CARBONDALE	SPRINGFIELD	COAL	4.0	1070.0	
-1509.4	BASE OF PENN.		UNCLASSIFIED	-	1970.0	

MAPID: 02502775000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: FLORA **LONGITUDE:** -88.430003 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.700291 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1110.0 **LOG TYPE:** Electric Log
SOURCE: HINKLE J FRANK **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-590.0	CARBONDALE	HERRIN	COAL	-	1050.0	
-645.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1105.0	ROOF: 5SH

MAPID: 02500845000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW
QUADRANGLE: FLORA **LONGITUDE:** -88.448838 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.706255 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1084.0 **LOG TYPE:** Electric Log
SOURCE: NORRICK & HARRIS **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-560.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1080.0	ROOF: 4ST.D

MAPID: 02500296000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 18 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: FLORA **LONGITUDE:** -88.458534 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.69351 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 4650.0 **LOG TYPE:**
SOURCE: RUMLY HEIS, CHANEY 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-147.0	BOND	CARTHAGE	LIMESTONE	-	612.0	
-559.0	CARBONDALE	HERRIN	COAL	2.0	1024.0	
-616.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1081.0	

MAPID: 02500711000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: FLORA LONGITUDE: -88.465424 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.699149 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 1084.0 LOG TYPE: Electric Log

SOURCE: BREUER-ROBINSON OIL WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	BOND	CARTHAGE	LIMESTONE	-	618.0	
-546.0	CARBONDALE	HERRIN	COAL	-	1024.0	
-601.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1079.0	ROOF: 6SH

MAPID: 02501479000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 1650' E line of SE

QUADRANGLE: FLORA LONGITUDE: -88.463221 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.678637 DATE COLLECTED:

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 1096.0 LOG TYPE: Electric Log

SOURCE: EAST CENT. DEV. CO., INC WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-134.0	BOND	CARTHAGE	LIMESTONE	-	603.0	
-563.0	CARBONDALE	HERRIN	COAL	-	1032.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1092.0	ROOF: 3ST.D

MAPID: 02502825000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 20 QUARTERS/FOOTAGES: 990' N line, 330' E line of NW SE

QUADRANGLE: FLORA LONGITUDE: -88.444246 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.682077 DATE COLLECTED:

SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 1085.0 LOG TYPE: Drillers Log

SOURCE: MULLIGAN JOHN E WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-574.0	CARBONDALE	HERRIN	COAL	-	1024.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1081.0	ROOF: 2ST.D

MAPID: 02502843000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW
 QUADRANGLE: FLORA LONGITUDE: -88.43002 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.679937 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 1085.0 LOG TYPE: Electric Log
 SOURCE: RITTER, HOWARD L. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-154.0	BOND	CARTHAGE	LIMESTONE	-	611.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1026.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1080.0	ROOF: 5SH

MAPID: 02501285000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 22 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE
 QUADRANGLE: FLORA LONGITUDE: -88.408923 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.679633 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 1107.0 LOG TYPE: Electric Log
 SOURCE: SHULMAN BROS. INC. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-166.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-575.0	CARBONDALE	HERRIN	COAL	-	1049.0	
-629.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1103.0	ROOF: 7SH

MAPID: 02500872000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 23 QUARTERS/FOOTAGES: 1650' S line, 330' E line of SW
 QUADRANGLE: FLORA LONGITUDE: -88.392363 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.681083 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 1169.0 LOG TYPE: Electric Log
 SOURCE: SANDERS & FYE DRILLING WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-204.0	BOND	CARTHAGE	LIMESTONE	-	686.0	
-623.0	CARBONDALE	HERRIN	COAL	-	1105.0	
-682.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1164.0	ROOF: 5'DK SH

MAPID: 02500526000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 24 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.373474 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.684612 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 1123.0 **LOG TYPE:** Electric Log
SOURCE: PURE OIL CO. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-222.0	BOND	CARTHAGE	LIMESTONE	-	680.0	
-604.0	CARBONDALE	HERRIN	COAL	-	1062.0	
-662.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1120.0	ROOF: 3ST.D

MAPID: 02500526000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 24 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.373474 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.684612 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 4580.0 **LOG TYPE:**
SOURCE: PURE & LYN, GOINGS J A00A2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-606.0	CARBONDALE	HERRIN	COAL	-	1064.0	
-1622.0	BASE OF PENN.		UNCLASSIFIED	-	2080.0	

MAPID: 02500527000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 24 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.368755 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.690099 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 442.6 **LOGGED (FT.):** 4426.0 **LOG TYPE:**
SOURCE: PHILLIPS, MINNIE 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-603.4	CARBONDALE	HERRIN	COAL	-	1046.0	

MAPID: 02500297000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 25

QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: FLORA

LONGITUDE: -88.378331

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.668051

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 459.0

LOGGED (FT.): 4590.0

LOG TYPE:

SOURCE: PURE OC, WELSH M S 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-201.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-605.0	CARBONDALE	HERRIN	COAL	3.5	1064.0	
-665.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1124.0	
-1696.0	BASE OF PENN.		UNCLASSIFIED	-	2155.0	

MAPID: 02501847000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 25

QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: FLORA

LONGITUDE: -88.37596

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.671687

DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0

LOGGED (FT.): 1143.0

LOG TYPE: Electric Log

SOURCE: OSLAGER OIL

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-210.0	BOND	CARTHAGE	LIMESTONE	-	673.0	
-617.0	CARBONDALE	HERRIN	COAL	-	1080.0	
-675.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1138.0	ROOF: 9SH

MAPID: 02502882000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 3N 7E

SECTION: 26

QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: FLORA

LONGITUDE: -88.390179

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.66821

DATE COLLECTED:

SURFACE ELEVATION (FT.): 457.0

LOGGED (FT.): 1132.0

LOG TYPE: Electric Log

SOURCE: KAUFMAN, E.H.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-197.0	BOND	CARTHAGE	LIMESTONE	-	654.0	
-610.0	CARBONDALE	HERRIN	COAL	-	1067.0	
-671.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1128.0	ROOF: 5SH

MAPID: 02500298000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 27 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.41128 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.668509 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 4530.0 **LOG TYPE:**
SOURCE: TEXAS CO, WEILER F 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-200.0	BOND	CARTHAGE	LIMESTONE	-	653.0	
-600.0	CARBONDALE	HERRIN	COAL	1.0	1053.0	
-649.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1102.0	
-1572.0	BASE OF PENN.		UNCLASSIFIED	-	2025.0	

MAPID: 02502886000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 27 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.415899 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.674132 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 1076.0 **LOG TYPE:** Electric Log
SOURCE: SHULMAN BROS. INC. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-164.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-572.0	CARBONDALE	HERRIN	COAL	-	1018.0	
-625.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1071.0	ROOF: 7SH

MAPID: 02502896000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 28 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.42528 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.67428 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1074.0 **LOG TYPE:** Electric Log
SOURCE: BEARS, W. H. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-167.0	BOND	CARTHAGE	LIMESTONE	-	618.0	
-566.0	CARBONDALE	HERRIN	COAL	-	1017.0	
-619.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1070.0	ROOF: 4DK SH

MAPID: 02502901000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: FLORA **LONGITUDE:** -88.439479 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.670833 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 1084.0 **LOG TYPE:** Electric Log
SOURCE: BENSON, COMER W. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.0	BOND	CARTHAGE	LIMESTONE	-	625.0	
-567.0	CARBONDALE	HERRIN	COAL	-	1022.0	
-626.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1081.0	ROOF: 1'SH, 3'ST.D

MAPID: 02501412000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 30 **QUARTERS/FOOTAGES:** 2310' S line, 990' W line of SE
QUADRANGLE: FLORA **LONGITUDE:** -88.463163 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.669321 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 1113.0 **LOG TYPE:** Electric Log
SOURCE: MURVIN, JOHN B. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-166.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-574.0	CARBONDALE	HERRIN	COAL	-	1048.0	
-636.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1110.0	ROOF: 3'ST.D

MAPID: 02501289000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.46533 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.652767 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 474.0 **LOGGED (FT.):** 1154.0 **LOG TYPE:** Electric Log
SOURCE: NOAL PETROLEUM **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-195.0	BOND	CARTHAGE	LIMESTONE	-	669.0	
-616.0	CARBONDALE	HERRIN	COAL	-	1090.0	
-676.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1150.0	ROOF: 4'ST.D

MAPID: 02502905000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 32 **QUARTERS/FOOTAGES:** NE SE
QUADRANGLE: FLORA **LONGITUDE:** -88.440746 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.653329 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1143.0 **LOG TYPE:** Electric Log
SOURCE: REDWINE NASH ETAL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-192.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-602.0	CARBONDALE	HERRIN	COAL	-	1070.0	
-670.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1138.0	ROOF: 4DK SH

MAPID: 02500299000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 33 **QUARTERS/FOOTAGES:** SW NE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.432406 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.659641 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 4660.0 **LOG TYPE:**
SOURCE: KUTLICH L, KUTLCH HRS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-190.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-366.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	832.0	
-599.0	CARBONDALE	HERRIN	COAL	2.5	1065.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1121.0	
-1594.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0	

MAPID: 02502907000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 7E **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.422978 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.657638 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 1083.0 **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	
-184.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-580.0	CARBONDALE	HERRIN	COAL	-	1026.0	
-632.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1078.0	ROOF: 4DK SH

MAPID: 02501292000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 34 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: FLORA LONGITUDE: -88.408988 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.655569 DATE COLLECTED:

SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 1078.0 LOG TYPE: Electric Log

SOURCE: NU ENAMEL CORP WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-182.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1021.0	
-622.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1074.0	ROOF: 4'DK SH

MAPID: 02501681000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE

QUADRANGLE: FLORA LONGITUDE: -88.387957 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.647934 DATE COLLECTED:

SURFACE ELEVATION (FT.): 446.0 LOGGED (FT.): 1090.0 LOG TYPE: Electric Log

SOURCE: DAVIS WAYNE S WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-204.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-584.0	CARBONDALE	HERRIN	COAL	-	1030.0	
-639.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1085.0	ROOF: 4'DK SH

MAPID: 02502915000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 7E SECTION: 36 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW

QUADRANGLE: FLORA LONGITUDE: -88.378588 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.651521 DATE COLLECTED:

SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 1108.0 LOG TYPE: Electric Log

SOURCE: DOERR ELIAS A INC WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-192.0	BOND	CARTHAGE	LIMESTONE	-	655.0	
-582.0	CARBONDALE	HERRIN	COAL	-	1045.0	
-641.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1104.0	ROOF: 4'DK SH

MAPID: 02502917000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 3 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.30518 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.727839 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 431.0 LOGGED (FT.): 1124.0 LOG TYPE: Electric Log
 SOURCE: GILLIAN, J. H. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-232.0	BOND	CARTHAGE	LIMESTONE	-	663.0	
-628.0	CARBONDALE	HERRIN	COAL	-	1059.0	
-689.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1120.0	ROOF: 4ST.D

MAPID: 02500906000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.319033 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.732252 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 1134.0 LOG TYPE: Electric Log
 SOURCE: MILLER, J. M. DRLG. CORP WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-631.0	CARBONDALE	HERRIN	COAL	-	1072.0	
-689.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1130.0	ROOF: 4SH

MAPID: 02502922000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.339851 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.727249 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 1096.0 LOG TYPE: Electric Log
 SOURCE: REED O A WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-598.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1090.0	ROOF: 3SH

MAPID: 02501297000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.35597 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.726051 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 426.0 **LOGGED (FT.):** 1085.0 **LOG TYPE:** Electric Log
SOURCE: HIGGINS C S **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-605.0	CARBONDALE	HERRIN	COAL	-	1031.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1081.0	ROOF: 3'SH

MAPID: 02502931000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.361462 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.718529 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 427.0 **LOGGED (FT.):** 1090.0 **LOG TYPE:** Electric Log
SOURCE: SCHULMAN BROS **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-610.0	CARBONDALE	HERRIN	COAL	-	1037.0	
-659.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1086.0	ROOF: 1'SH, 4'ST.D

MAPID: 02500400000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 8 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.346652 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.705351 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 427.0 **LOGGED (FT.):** 4270.0 **LOG TYPE:**
SOURCE: NAT ASSOC, HUNLEY J 001A **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-215.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-613.0	CARBONDALE	HERRIN	COAL	1.5	1040.0	
-667.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1094.0	
-1529.0	BASE OF PENN.		UNCLASSIFIED	-	1956.0	

MAPID: 02502935000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 8 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE

QUADRANGLE: CLAY CITY LONGITUDE: -88.337585 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.714032 DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 1105.0 LOG TYPE: Electric Log

SOURCE: CALVERT & WILLIS, INC. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-212.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-618.0	CARBONDALE	HERRIN	COAL	-	1046.0	
-672.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1100.0	ROOF: 5SH

MAPID: 02502957000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 9 QUARTERS/FOOTAGES: SW

QUADRANGLE: CLAY CITY LONGITUDE: -88.32715 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.707276 DATE COLLECTED:

SURFACE ELEVATION (FT.): 421.0 LOGGED (FT.): 1110.0 LOG TYPE: Electric Log

SOURCE: CALVERT DRILLING, INC. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-626.0	CARBONDALE	HERRIN	COAL	-	1047.0	
-685.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1106.0	ROOF: 4ST.D

MAPID: 02500522000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 10 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: CLAY CITY LONGITUDE: -88.300588 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.716079 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 4330.0 LOG TYPE:

SOURCE: BLACK OP, DAUBS J 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-448.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	881.0	
-653.0	CARBONDALE	HERRIN	COAL	2.0	1086.0	
-712.0	CARBONDALE	SPRINGFIELD	COAL	-	1145.0	
-1693.0	BASE OF PENN.		UNCLASSIFIED	-	2126.0	

MAPID: 02501299000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' S line, 1650' W line of NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.307511 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.710921 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 430.0 **LOGGED (FT.):** 1168.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT & WILLIS, INC. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-674.0	CARBONDALE	HERRIN	COAL	-	1104.0	
-734.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1164.0	ROOF: 2ST.D

MAPID: 02504092000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 11 **QUARTERS/FOOTAGES:** 1650' S line, 990' W line of SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.291414 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.706586 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 1088.0 **LOG TYPE:** Electric Log
SOURCE: CONTINENTAL OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-603.0	CARBONDALE	HERRIN	COAL	-	1023.0	
-668.0	CARBONDALE	SPRINGFIELD	COAL	-	1088.0	

MAPID: 02500523000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.291456 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.697483 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 418.0 **LOGGED (FT.):** 4180.0 **LOG TYPE:**
SOURCE: SOHIO PET, BEMIS THOS0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-416.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	834.0	
-626.0	CARBONDALE	HERRIN	COAL	2.0	1044.0	
-685.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1103.0	
-1606.0	BASE OF PENN.		UNCLASSIFIED	-	2024.0	

MAPID: 02500616000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NE SW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.286797 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.693652 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 1103.0 LOG TYPE: Electric Log
 SOURCE: MARCH DRILLING CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-229.0	BOND	CARTHAGE	LIMESTONE	-	646.0	
-624.0	CARBONDALE	HERRIN	COAL	-	1041.0	
-683.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1100.0	ROOF: 4ST.D

MAPID: 02502968000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.296054 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.690397 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 417.0 LOGGED (FT.): 1104.0 LOG TYPE: Electric Log
 SOURCE: PURE OIL CO., THE WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-223.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-625.0	CARBONDALE	HERRIN	COAL	-	1042.0	
-683.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1100.0	ROOF: 4ST.D

MAPID: 02501103000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.31905 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.693212 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 422.0 LOGGED (FT.): 1128.0 LOG TYPE: Electric Log
 SOURCE: RUSSELL RICHARD L WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-247.0	BOND	CARTHAGE	LIMESTONE	-	669.0	
-643.0	CARBONDALE	HERRIN	COAL	-	1065.0	
-702.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1124.0	ROOF: 4SH

MAPID: 02502974000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.342059 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.694228 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 1110.0 LOG TYPE: Electric Log
 SOURCE: NAT'L. ASSOC. PETRO. CO. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-228.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-619.0	CARBONDALE	HERRIN	COAL	-	1047.0	
-678.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1106.0	ROOF: 4ST.D

MAPID: 02502991000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 18 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.358216 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.698579 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 425.0 LOGGED (FT.): 1088.0 LOG TYPE: Electric Log
 SOURCE: SHAFFER W W WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-613.0	CARBONDALE	HERRIN	COAL	-	1038.0	
-659.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1084.0	ROOF: 4ST.D

MAPID: 02502994000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 19 QUARTERS/FOOTAGES: 990' S line, 330' E line of SE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.351274 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.678336 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 1100.0 LOG TYPE: Electric Log
 SOURCE: RUDY JOHN W EST WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-583.0	CARBONDALE	HERRIN	COAL	-	1042.0	
-637.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1096.0	ROOF: 1ST.D

MAPID: 02500300000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 20 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.348958 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.678239 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 4610.0 **LOG TYPE:**
SOURCE: ROCK HILL, DUFF J W 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-463.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	924.0	
-601.0	CARBONDALE	HERRIN	COAL	2.0	1062.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1116.0	
-1681.0	BASE OF PENN.		UNCLASSIFIED	-	2142.0	

MAPID: 02503004000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 20 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.344332 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.685255 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 1108.0 **LOG TYPE:** Electric Log
SOURCE: RUDY, J. W. COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-220.0	BOND	CARTHAGE	LIMESTONE	-	664.0	
-604.0	CARBONDALE	HERRIN	COAL	-	1048.0	
-660.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1104.0	ROOF: 6SH

MAPID: 02503011000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' S line, 990' W line of NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.318962 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.682332 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 1103.0 **LOG TYPE:** Electric Log
SOURCE: RUDY JOHN W EST **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-221.0	BOND	CARTHAGE	LIMESTONE	-	654.0	
-607.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-667.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1100.0	ROOF: 4ST.D

MAPID: 02500528000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE NW NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.309819 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.687363 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 420.0 **LOGGED (FT.):** 4200.0 **LOG TYPE:**
SOURCE: LYNN J J, BRISSENDN 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-604.0	CARBONDALE	HERRIN	COAL	-	1024.0	
-1674.0	BASE OF PENN.		UNCLASSIFIED	-	2094.0	

MAPID: 02503015000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 22 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.305229 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.687156 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 417.0 **LOGGED (FT.):** 1078.0 **LOG TYPE:** Electric Log
SOURCE: SKILES OIL CORP **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-223.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-603.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-657.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1074.0	ROOF: 4ST.D

MAPID: 02503017000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 23 **QUARTERS/FOOTAGES:** 660' S line, 248' W line of SE SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.279948 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.674303 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 417.0 **LOGGED (FT.):** 1061.0 **LOG TYPE:** Electric Log
SOURCE: FULK OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-188.0	BOND	CARTHAGE	LIMESTONE	-	605.0	
-585.0	CARBONDALE	HERRIN	COAL	-	1002.0	
-639.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1056.0	ROOF: 4SH

MAPID: 02501306000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.27495 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.664092 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 415.0 **LOGGED (FT.):** 1026.0 **LOG TYPE:** Electric Log
SOURCE: FULK OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-155.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-547.0	CARBONDALE	HERRIN	COAL	-	962.0	
-607.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1022.0	ROOF: 6SH

MAPID: 02500529000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 26 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.2819 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.662564 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 418.0 **LOGGED (FT.):** 4180.0 **LOG TYPE:**
SOURCE: WALLACE D, WILLAMS JS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-575.0	CARBONDALE	HERRIN	COAL	-	993.0	
-1597.0	BASE OF PENN.		UNCLASSIFIED	-	2015.0	

MAPID: 02503034000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 26 **QUARTERS/FOOTAGES:** 660' N line, 330' E line of NW SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.281905 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.663467 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 416.0 **LOGGED (FT.):** 1044.0 **LOG TYPE:** Electric Log
SOURCE: SANDERS JOHN W ETAL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.0	BOND	CARTHAGE	LIMESTONE	-	586.0	
-562.0	CARBONDALE	HERRIN	COAL	-	978.0	
-622.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1038.0	ROOF: 6SH

MAPID: 02503056000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 27 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.295808 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.666809 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 414.0 **LOGGED (FT.):** 1074.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-206.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-601.0	CARBONDALE	HERRIN	COAL	-	1015.0	
-654.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1068.0	ROOF: 5SH

MAPID: 02500488000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 28 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.328127 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.668226 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 4430.0 **LOG TYPE:**
SOURCE: PURE OC, MAYO J W 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-219.0	BOND	CARTHAGE	LIMESTONE	-	662.0	
-609.0	CARBONDALE	HERRIN	COAL	1.0	1052.0	
-667.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1110.0	
-1583.0	BASE OF PENN.		UNCLASSIFIED	-	2026.0	

MAPID: 02500897000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 28 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.325812 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.668128 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 440.0 **LOGGED (FT.):** 1101.0 **LOG TYPE:** Electric Log
SOURCE: PURE OIL CO. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-217.0	BOND	CARTHAGE	LIMESTONE	-	657.0	
-600.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-656.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1096.0	ROOF: 3ST.D

MAPID: 02500415000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 29 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.348939 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.670922 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 499.0 **LOGGED (FT.):** 4990.0 **LOG TYPE:**
SOURCE: ROCK HILL, STANFORD C00A1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-235.0	BOND	CARTHAGE	LIMESTONE	-	734.0
-627.0	CARBONDALE	HERRIN	COAL	3.0	1126.0
-684.0	CARBONDALE	SPRINGFIELD	COAL	-	1183.0
-1684.0	BASE OF PENN.		UNCLASSIFIED	-	2183.0

MAPID: 02500416000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 29 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.332741 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.668416 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 4610.0 **LOG TYPE:**
SOURCE: PURE OC, TAYLOR W H00A1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-229.0	BOND	CARTHAGE	LIMESTONE	-	690.0
-626.0	CARBONDALE	HERRIN	COAL	1.0	1087.0
-687.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1148.0
-1625.0	BASE OF PENN.		UNCLASSIFIED	-	2086.0

MAPID: 02500417000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 29 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.341937 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.661459 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 477.0 **LOGGED (FT.):** 4770.0 **LOG TYPE:**
SOURCE: REGENT OC, TOTTER L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-229.0	BOND	CARTHAGE	LIMESTONE	-	706.0
-623.0	CARBONDALE	HERRIN	COAL	2.0	1100.0
-681.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1158.0
-1645.0	BASE OF PENN.		UNCLASSIFIED	-	2122.0

MAPID: 02500750000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.337372 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.668603 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 1178.0 LOG TYPE: Electric Log
 SOURCE: PURE OIL CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-234.0	BOND	CARTHAGE	LIMESTONE	-	724.0	
-624.0	CARBONDALE	HERRIN	COAL	-	1114.0	
-684.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1174.0	ROOF: 3ST.D

MAPID: 02500807000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 30 QUARTERS/FOOTAGES: 990' S line, 330' W line of NE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.358221 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.671257 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 503.0 LOGGED (FT.): 1181.0 LOG TYPE: Electric Log
 SOURCE: RUDY JOHN W EST WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-226.0	BOND	CARTHAGE	LIMESTONE	-	729.0	
-614.0	CARBONDALE	HERRIN	COAL	-	1117.0	
-673.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1176.0	ROOF: 2ST.D

MAPID: 02501308000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.356059 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.649263 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 1179.0 LOG TYPE: Electric Log
 SOURCE: DAVIS ALVA C PETRO WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-246.0	BOND	CARTHAGE	LIMESTONE	-	716.0	
-641.0	CARBONDALE	HERRIN	COAL	-	1111.0	
-704.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1174.0	ROOF: 4SH

MAPID: 02503108000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.339708 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.654106 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 458.0 **LOGGED (FT.):** 1147.0 **LOG TYPE:** Electric Log
SOURCE: PURE OIL CO. **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-209.0	BOND	CARTHAGE	LIMESTONE	-	667.0	
-611.0	CARBONDALE	HERRIN	COAL	-	1069.0	
-685.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1143.0	ROOF: 2ST.D

MAPID: 02500418000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 33 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.323488 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.655304 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 432.3 **LOGGED (FT.):** 4323.0 **LOG TYPE:**
SOURCE: PURE OC, BECHTEL S 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-193.7	BOND	CARTHAGE	LIMESTONE	-	626.0	
-395.7	MODESTO	WEST FRANKLIN	LIMESTONE	-	828.0	
-578.7	CARBONDALE	HERRIN	COAL	-	1011.0	

MAPID: 02501097000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 3N 8E **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.314268 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.649506 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 415.0 **LOGGED (FT.):** 1034.0 **LOG TYPE:** Electric Log
SOURCE: REYNOLDS EARL B **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-168.0	BOND	CARTHAGE	LIMESTONE	-	583.0	
-558.0	CARBONDALE	HERRIN	COAL	-	973.0	
-615.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1030.0	ROOF: 3ST.D

MAPID: 02501189000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.307331 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.651017 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 437.0 LOGGED (FT.): 1066.0 LOG TYPE: Electric Log
 SOURCE: REYNOLDS EARL B WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-174.0	BOND	CARTHAGE	LIMESTONE	-	611.0	
-568.0	CARBONDALE	HERRIN	COAL	-	1005.0	
-624.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1061.0	ROOF: 5SH

MAPID: 02500419000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 35 QUARTERS/FOOTAGES: NW SW NE
 QUADRANGLE: CLAY CITY LONGITUDE: -88.284211 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.653607 DATE COLLECTED: 0 / 0 / 1938
 SURFACE ELEVATION (FT.): 415.0 LOGGED (FT.): 4150.0 LOG TYPE:
 SOURCE: EUREKA OC, SIEHENS 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-153.0	BOND	CARTHAGE	LIMESTONE	-	568.0	
-400.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	815.0	
-548.0	CARBONDALE	HERRIN	COAL	2.5	963.0	
-608.0	CARBONDALE	SPRINGFIELD	COAL	-	1023.0	
-1550.0	BASE OF PENN.		UNCLASSIFIED	-	1965.0	

MAPID: 02503185000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 3N 8E SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW
 QUADRANGLE: CLAY CITY LONGITUDE: -88.288846 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.650196 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 413.0 LOGGED (FT.): 1034.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-160.0	BOND	CARTHAGE	LIMESTONE	-	573.0	
-556.0	CARBONDALE	HERRIN	COAL	-	969.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1031.0	ROOF: 3ST.D

MAPID: 02501311000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.596885 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.82079 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 1006.0 LOG TYPE: Electric Log
 SOURCE: POWELL GRAHAM WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-119.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-489.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1004.0	ROOF: 2ST.D

MAPID: 02503192000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.615478 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.826358 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 944.0 LOG TYPE: Electric Log
 SOURCE: HED OIL CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-430.0	CARBONDALE	SPRINGFIELD	COAL	2.0	942.0	ROOF: 2ST.D

MAPID: 02504087000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 3 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.622804 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.816676 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 949.0 LOG TYPE: Electric Log
 SOURCE: MABRY, HARRY WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-89.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-425.0	CARBONDALE	SPRINGFIELD	COAL	3.0	946.0	ROOF: 2SH

MAPID: 02503193000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.641313 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.818449 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 958.0 LOG TYPE: Electric Log
 SOURCE: MOHAWK DRILLING CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-85.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-430.0	CARBONDALE	SPRINGFIELD	COAL	3.0	955.0	ROOF: 2ST.D

MAPID: 02500938000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.664901 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.814526 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 996.0 LOG TYPE: Electric Log
 SOURCE: PIERCE & ZUHOME WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-45.0	BOND	CARTHAGE	LIMESTONE	-	600.0	
-438.0	CARBONDALE	SPRINGFIELD	COAL	3.0	993.0	ROOF: 3ST.D

MAPID: 02500007000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 6 QUARTERS/FOOTAGES: NE SE SW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.686613 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.814556 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 5670.0 LOG TYPE:
 SOURCE: MADDEN A R, SLOAN 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-54.0	BOND	CARTHAGE	LIMESTONE	-	621.0	
-209.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	776.0	
-356.0	CARBONDALE	HERRIN	COAL	2.5	923.0	
-404.0	CARBONDALE	SPRINGFIELD	COAL	2.5	971.0	
-1106.0	BASE OF PENN.		UNCLASSIFIED	-	1673.0	

MAPID: 02500007000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 6

QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: OSKALOOSA

LONGITUDE: -88.686613

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.814556

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 567.0

LOGGED (FT.): 4296.0

LOG TYPE:

SOURCE: MADDEN A R, SLOAN 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-54.0	BOND	CARTHAGE	LIMESTONE	-	621.0	
-356.0	CARBONDALE	HERRIN	COAL	2.5	923.0	

MAPID: 02503197000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 8

QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE

QUADRANGLE: OSKALOOSA

LONGITUDE: -88.658165

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.801656

DATE COLLECTED:

SURFACE ELEVATION (FT.): 541.0

LOGGED (FT.): 987.0

LOG TYPE: Electric Log

SOURCE: LUTTRELL HOMER

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-62.0	BOND	CARTHAGE	LIMESTONE	-	603.0	
-443.0	CARBONDALE	SPRINGFIELD	COAL	3.0	984.0	ROOF: 4'ST.D

MAPID: 02500008000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 9

QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: OSKALOOSA

LONGITUDE: -88.648561

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.810854

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 5360.0

LOG TYPE:

SOURCE: WRRN & BRD, CRUSE 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-57.0	BOND	CARTHAGE	LIMESTONE	-	593.0	
-379.0	CARBONDALE	HERRIN	COAL	2.0	915.0	
-429.0	CARBONDALE	SPRINGFIELD	COAL	2.5	965.0	
-1119.0	BASE OF PENN.		UNCLASSIFIED	-	1655.0	

MAPID: 02500008000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 9 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.648561

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.810854

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 2750.0

LOG TYPE:

SOURCE: WRRN & BRD, CRUSE 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-57.0	BOND	CARTHAGE	LIMESTONE	-	593.0	
-379.0	CARBONDALE	HERRIN	COAL	2.0	915.0	

MAPID: 02500008000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 9 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.648561

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.810854

DATE COLLECTED:

SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 969.0

LOG TYPE: Electric Log

SOURCE: WARREN & BRADSHAW

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-57.0	BOND	CARTHAGE	LIMESTONE	-	593.0	
-429.0	CARBONDALE	SPRINGFIELD	COAL	4.0	965.0	ROOF: 2ST.D

MAPID: 02500377000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 10 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.6207

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.798231

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 5290.0

LOG TYPE:

SOURCE: KROHN WM H, SMTH CLAUD 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.0	BOND	CARTHAGE	LIMESTONE	-	609.0	
-401.0	CARBONDALE	HERRIN	COAL	1.0	930.0	
-453.0	CARBONDALE	SPRINGFIELD	COAL	3.0	982.0	
-1337.0	BASE OF PENN.		UNCLASSIFIED	-	1866.0	

MAPID: 02500377000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.6207 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.798231 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2706.0 **LOG TYPE:**
SOURCE: KROHN WM H, SMTH CLAUD 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-80.0	BOND	CARTHAGE	LIMESTONE	-	609.0
-401.0	CARBONDALE	HERRIN	COAL	1.0	930.0

MAPID: 02500377000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.6207 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.798231 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 986.0 **LOG TYPE:** Electric Log
SOURCE: KROHN, WM. H. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-81.0	BOND	CARTHAGE	LIMESTONE	-	610.0
-453.0	CARBONDALE	SPRINGFIELD	COAL	4.0	982.0

MAPID: 02500377000C **VERSION:** 4 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.6207 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.798231 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2706.0 **LOG TYPE:** Survey Sample Study
SOURCE: KROHN, WM. H. **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: 02500545000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 11 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.606533

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.811279

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 516.0 LOGGED (FT.): 2702.0

LOG TYPE:

SOURCE: RBNSN PUCK, CLCLRE B 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	-	588.0	
-400.0	CARBONDALE	HERRIN	COAL	-	916.0	COAL ERODED OR ABSENT

MAPID: 02503208000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.618367

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.807432

DATE COLLECTED:

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 937.0

LOG TYPE: Electric Log

SOURCE: GEORGE & WRATHER OIL

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-446.0	CARBONDALE	SPRINGFIELD	COAL	3.0	934.0	ROOF: 2SH

MAPID: 02500521000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 12 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.597215

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.805953

DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 511.0 LOGGED (FT.): 5110.0

LOG TYPE:

SOURCE: GULF REF, COLGLAZIER 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.0	BOND	CARTHAGE	LIMESTONE	-	591.0	
-422.0	CARBONDALE	HERRIN	COAL	2.0	933.0	
-469.0	CARBONDALE	SPRINGFIELD	COAL	-	980.0	
-1289.0	BASE OF PENN.		UNCLASSIFIED	-	1800.0	

MAPID: 02500521000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 12 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.597215

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.805953

DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 511.0 LOGGED (FT.): 2748.0

LOG TYPE:

SOURCE: GULF REF, COLGLAZIER 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.0	BOND	CARTHAGE	LIMESTONE	-	591.0	
-422.0	CARBONDALE	HERRIN	COAL	2.0	933.0	

MAPID: 02503209000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.594886

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.805984

DATE COLLECTED:

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 988.0

LOG TYPE: Electric Log

SOURCE: BLACK, J. L. OIL PROD.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-92.0	BOND	CARTHAGE	LIMESTONE	-	602.0	
-474.0	CARBONDALE	SPRINGFIELD	COAL	4.0	984.0	

MAPID: 02500546000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 13 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.592751

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.796887

DATE COLLECTED:

SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 1005.0

LOG TYPE: Electric Log

SOURCE: HAMMER, A. J.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-106.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-497.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1001.0	ROOF: 2ST.D

MAPID: 02500546000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.592751 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.796887 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 2740.0 **LOG TYPE:**
SOURCE: HAMMER A J, MC CULLEY 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-105.0	BOND	CARTHAGE	LIMESTONE	-	609.0	
-444.0	CARBONDALE	HERRIN	COAL	-	948.0	COAL ERODED OR ABSENT

MAPID: 02500009000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.611728 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.783575 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 5390.0 **LOG TYPE:**
SOURCE: CARTER OC, COX W T 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-74.0	BOND	CARTHAGE	LIMESTONE	-	613.0	
-291.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	830.0	
-411.0	CARBONDALE	HERRIN	COAL	-	950.0	
-465.0	CARBONDALE	SPRINGFIELD	COAL	-	1004.0	
-1351.0	BASE OF PENN.		UNCLASSIFIED	-	1890.0	

MAPID: 02500009000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.611728 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.783575 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 4325.0 **LOG TYPE:**
SOURCE: CARTER OC, COX W T 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-74.0	BOND	CARTHAGE	LIMESTONE	-	613.0	
-411.0	CARBONDALE	HERRIN	COAL	-	950.0	

MAPID: 02500547000C VERSION: 1

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 14 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.602255

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.787359

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 541.0 LOGGED (FT.): 2738.0

LOG TYPE:

SOURCE: BREHM C E, SMITH ORLF

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-67.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-419.0	CARBONDALE	HERRIN	COAL	-	960.0	COAL ERODED OR ABSENT

MAPID: 02525264000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 14 QUARTERS/FOOTAGES: 990' N line, 330' W line of SW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.618663

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.787258

DATE COLLECTED:

SURFACE ELEVATION (FT.): 539.0 LOGGED (FT.): 969.0

LOG TYPE: Electric Log

SOURCE: K OIL INCORPORATED

WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-68.0	BOND	CARTHAGE	LIMESTONE	-	607.0	
-428.0	CARBONDALE	SPRINGFIELD	COAL	2.0	967.0	

MAPID: 02500376000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 5E SECTION: 15 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.63731

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.790689

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 5140.0

LOG TYPE:

SOURCE: CRSN & COR, BILLINGS M0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-76.0	BOND	CARTHAGE	LIMESTONE	-	590.0	
-296.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	810.0	
-424.0	CARBONDALE	HERRIN	COAL	2.0	938.0	
-474.0	CARBONDALE	SPRINGFIELD	COAL	4.0	988.0	
-1139.0	BASE OF PENN.		UNCLASSIFIED	-	1653.0	

MAPID: 02500376000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.63731 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.790689 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 514.0 **LOGGED (FT.):** 2673.0 **LOG TYPE:**
SOURCE: CRSN & COR, BILLINGS M0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-76.0	BOND	CARTHAGE	LIMESTONE	-	590.0	
-424.0	CARBONDALE	HERRIN	COAL	2.0	938.0	

MAPID: 02503220000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.620941 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.789053 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 987.0 **LOG TYPE:** Electric Log
SOURCE: IN FARM BUR. COOP. ASSOC **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-71.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-445.0	CARBONDALE	SPRINGFIELD	COAL	3.0	984.0	ROOF: 3'SH

MAPID: 02500499000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 18 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.694574 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.792448 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 6040.0 **LOG TYPE:**
SOURCE: WILLIAMS A, BOSTIC P 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-77.0	BOND	CARTHAGE	LIMESTONE	-	681.0	
-400.0	CARBONDALE	HERRIN	COAL	1.0	1004.0	
-459.0	CARBONDALE	SPRINGFIELD	COAL	-	1063.0	
-1133.0	BASE OF PENN.		UNCLASSIFIED	-	1737.0	

MAPID: 02500499000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 18

QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: OSKALOOSA

LONGITUDE: -88.694574

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.792448

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 604.0

LOGGED (FT.): 2704.0

LOG TYPE:

SOURCE: WILLIAMS A, BOSTIC P 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-77.0	BOND	CARTHAGE	LIMESTONE	-	681.0	
-400.0	CARBONDALE	HERRIN	COAL	1.0	1004.0	

MAPID: 02503221000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 18

QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW

QUADRANGLE: OSKALOOSA

LONGITUDE: -88.687145

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.785005

DATE COLLECTED:

SURFACE ELEVATION (FT.): 568.0

LOGGED (FT.): 1024.0

LOG TYPE: Electric Log

SOURCE: BELL, KENNETH C.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.0	BOND	CARTHAGE	LIMESTONE	-	648.0	
-452.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1020.0	ROOF: 3'SH

MAPID: 02501317000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 19

QUARTERS/FOOTAGES: 330' S line, 330' W line of NE

QUADRANGLE: OSKALOOSA

LONGITUDE: -88.684972

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.77581

DATE COLLECTED:

SURFACE ELEVATION (FT.): 546.0

LOGGED (FT.): 1026.0

LOG TYPE: Electric Log

SOURCE: ROBINSON & SLAGTER

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-105.0	BOND	CARTHAGE	LIMESTONE	-	651.0	
-476.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1022.0	ROOF: 3'SH

MAPID: 02500378000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 20 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.658662 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.773999 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: KROHN WM H, KING W 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-107.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-341.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	868.0	
-447.0	CARBONDALE	HERRIN	COAL	1.0	974.0	
-499.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1026.0	
-1186.0	BASE OF PENN.		UNCLASSIFIED	-	1713.0	

MAPID: 02500378000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 20 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.658662 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.773999 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2793.0 **LOG TYPE:**
SOURCE: KROHN WM H, KING W 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-107.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-447.0	CARBONDALE	HERRIN	COAL	1.0	974.0	

MAPID: 02500378000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 20 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.658662 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.773999 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 1030.0 **LOG TYPE:** Electric Log
SOURCE: KROHM WM H **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-105.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-499.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1026.0	ROOF: 2ST.D

MAPID: 02500378000C **VERSION:** 4 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 20 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.658662 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.773999 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2793.0 **LOG TYPE:** Survey Sample Study
SOURCE: KROHM WM H **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: 02501516000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.646895 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.781467 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 999.0 **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	
-98.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-463.0	CARBONDALE	SPRINGFIELD	COAL	4.0	995.0	

MAPID: 02501319000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** 330' S line, 330' E line
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.621404 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.768991 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 1014.0 **LOG TYPE:** Electric Log
SOURCE: GEORGE & WRATHER OIL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-99.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-481.0	CARBONDALE	SPRINGFIELD	COAL	-	1014.0	

MAPID: 02500804000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.607272 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.769074 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 538.0 **LOGGED (FT.):** 1041.0 **LOG TYPE:** Electric Log
SOURCE: HERLEY, DAVID F. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-96.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-500.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1038.0	

MAPID: 02501320000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.590683 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.782018 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 506.0 **LOGGED (FT.):** 1035.0 **LOG TYPE:** Electric Log
SOURCE: MORAN, E. F., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-122.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1032.0	ROOF: 3ST.D

MAPID: 02501321000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.586287 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.767544 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 1038.0 **LOG TYPE:** Electric Log
SOURCE: NOAL PETROLEUM **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-104.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-511.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1035.0	ROOF: 2ST.D

MAPID: 02500010000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.602816 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.759978 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 523.4 **LOGGED (FT.):** 5234.0 **LOG TYPE:**
SOURCE: LAIN OG, ALDRICH 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.6	BOND	CARTHAGE	LIMESTONE	-	604.0	
-286.6	MODESTO	WEST FRANKLIN	LIMESTONE	-	810.0	
-427.6	CARBONDALE	HERRIN	COAL	-	951.0	
-480.6	CARBONDALE	SPRINGFIELD	COAL	-	1004.0	
-1387.6	BASE OF PENN.		UNCLASSIFIED	-	1911.0	

MAPID: 02500010000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.602816 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.759978 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 523.4 **LOGGED (FT.):** 2838.0 **LOG TYPE:**
SOURCE: LAIN OG, ALDRICH 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-80.6	BOND	CARTHAGE	LIMESTONE	-	604.0	
-427.6	CARBONDALE	HERRIN	COAL	-	951.0	

MAPID: 02503229000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NE SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.612255 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.758024 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 1012.0 **LOG TYPE:** Electric Log
SOURCE: TEXACO, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	-	605.0	
-477.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1010.0	ROOF: 2ST.D

MAPID: 02500011000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 27

QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.621447

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.767155

DATE COLLECTED: 0 / 0 / 1916

SURFACE ELEVATION (FT.): 534.7

LOGGED (FT.): 5347.0

LOG TYPE:

SOURCE: BNDM TRS&G, HARRELL JH 1

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-425.3	CARBONDALE	HERRIN	COAL	-	960.0	
-1165.3	BASE OF PENN.		UNCLASSIFIED	-	1700.0	

MAPID: 02500011000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 27

QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.621447

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.767155

DATE COLLECTED: 0 / 0 / 1916

SURFACE ELEVATION (FT.): 534.7

LOGGED (FT.): 2302.0

LOG TYPE:

SOURCE: BNDM TRS&G, HARRELL JH 1

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-425.3	CARBONDALE	HERRIN	COAL	-	960.0	DEPTH UNCERTAIN

MAPID: 02503232000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 5E

SECTION: 27

QUARTERS/FOOTAGES: 990' S line, 1300' E line

QUADRANGLE: OSKALOOSA

LONGITUDE: -88.625118

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.755982

DATE COLLECTED:

SURFACE ELEVATION (FT.): 539.0

LOGGED (FT.): 1023.0

LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE

WELL TYPE: Water Injection

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-69.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-481.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1020.0	ROOF: 2ST.D

MAPID: 02501323000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 28 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.649445 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.766723 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 1024.0 **LOG TYPE:** Electric Log
SOURCE: DERICKSON T BLAKE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-114.0	BOND	CARTHAGE	LIMESTONE	-	631.0	
-504.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1021.0	ROOF: SH

MAPID: 02501324000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.665817 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.764744 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 1039.0 **LOG TYPE:** Electric Log
SOURCE: REED E A **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-108.0	BOND	CARTHAGE	LIMESTONE	-	632.0	
-511.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1035.0	ROOF: 3ST.D

MAPID: 02500888000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW NW
QUADRANGLE: XENIA **LONGITUDE:** -88.673059 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.749948 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 1058.0 **LOG TYPE:** Electric Log
SOURCE: REDWINE NASH ETAL **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-132.0	BOND	CARTHAGE	LIMESTONE	-	655.0	
-532.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1055.0	ROOF: 2ST.D

MAPID: 02501508000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW NW
QUADRANGLE: XENIA **LONGITUDE:** -88.654326 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.75015 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 1074.0 **LOG TYPE:** Electric Log
SOURCE: MARVIN, GAURD S. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-131.0	BOND	CARTHAGE	LIMESTONE	-	657.0	
-545.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1071.0	ROOF: 2ST.D

MAPID: 02526843000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** 570' S line, 660' E line of SE
QUADRANGLE: XENIA **LONGITUDE:** -88.641463 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.740008 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 1262.0 **LOG TYPE:**
SOURCE: LMC RESOURCES SEGESSER 1 **WELL TYPE:** Producer-Oil
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-499.0	CARBONDALE	HERRIN	COAL	-	1026.0	
-735.0	CARBONDALE	COLCHESTER	COAL	-	1262.0	

MAPID: 02503241000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW NE
QUADRANGLE: XENIA **LONGITUDE:** -88.628702 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.748643 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 541.0 **LOGGED (FT.):** 1037.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-79.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-493.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1034.0	ROOF: 2ST.D

MAPID: 02501421000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.609966 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.743399 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 525.0 **LOGGED (FT.):** 1001.0 **LOG TYPE:** Electric Log
SOURCE: CANTER DRILLING CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-77.0	BOND	CARTHAGE	LIMESTONE	-	602.0	
-473.0	CARBONDALE	SPRINGFIELD	COAL	3.0	998.0	ROOF: 2ST.D

MAPID: 02501800000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 5E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW NE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.588831 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.747346 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 1023.0 **LOG TYPE:** Electric Log
SOURCE: DUNCAN, WALTER **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-106.0	BOND	CARTHAGE	LIMESTONE	-	627.0	
-499.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1020.0	ROOF: 2ST.D

MAPID: 02500956000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 1 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.474276 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.822243 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 1078.0 **LOG TYPE:** Electric Log
SOURCE: ZINK JOHN **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-172.0	BOND	CARTHAGE	LIMESTONE	-	665.0	
-536.0	CARBONDALE	HERRIN	COAL	-	1029.0	
-581.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1074.0	

MAPID: 02500391000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 2 QUARTERS/FOOTAGES: SW SW NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.49774 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.819132 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 1069.0 LOG TYPE: Electric Log
 SOURCE: EASON OIL CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-529.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-574.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1065.0	ROOF: 2ST.D

MAPID: 02500391000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 2 QUARTERS/FOOTAGES: SW SW NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.49774 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.819132 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 4910.0 LOG TYPE:
 SOURCE: EASON OC, TUCKER C 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-156.0	BOND	CARTHAGE	LIMESTONE	-	647.0	
-356.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	847.0	
-532.0	CARBONDALE	HERRIN	COAL	1.5	1023.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1066.0	
-1462.0	BASE OF PENN.		UNCLASSIFIED	-	1953.0	

MAPID: 02503265000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 3 QUARTERS/FOOTAGES: 430' S line, 330' W line of SE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.516399 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.812712 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 497.0 LOGGED (FT.): 1079.0 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	
-168.0	BOND	CARTHAGE	LIMESTONE	-	665.0	
-532.0	CARBONDALE	HERRIN	COAL	-	1029.0	
-578.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1075.0	ROOF: 4SH

MAPID: 02500681000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.537541 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.818599 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1019.0 **LOG TYPE:** Electric Log
SOURCE: BELL, KENNETH C. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	617.0	
-510.0	CARBONDALE	HERRIN	COAL	-	970.0	
-555.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1015.0	ROOF: 2ST.D

MAPID: 02504658000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 4 **QUARTERS/FOOTAGES:** 990' S line, 330' E line of SW NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.532781 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.822151 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 1038.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT EASTERN DRLG. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-554.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1034.0	

MAPID: 02501147000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 6 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.575053 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.822782 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 502.0 **LOGGED (FT.):** 985.0 **LOG TYPE:** Electric Log
SOURCE: MURVIN, JOHN B. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-103.0	BOND	CARTHAGE	LIMESTONE	-	605.0	
-432.0	CARBONDALE	HERRIN	COAL	-	934.0	
-480.0	CARBONDALE	SPRINGFIELD	COAL	3.0	982.0	ROOF: 2SH

MAPID: 02500203000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 6E

SECTION: 8

QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.55643

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.811578

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 520.0

LOGGED (FT.): 5200.0

LOG TYPE:

SOURCE: MIDSUN OC, DAVIES G 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-125.0	BOND	CARTHAGE	LIMESTONE	-	645.0	
-456.0	CARBONDALE	HERRIN	COAL	1.0	976.0	
-502.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1022.0	
-1274.0	BASE OF PENN.		UNCLASSIFIED	-	1794.0	

MAPID: 02503274000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 6E

SECTION: 8

QUARTERS/FOOTAGES: 330' S line, 355' E line of SW NE

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.551784

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.805936

DATE COLLECTED:

SURFACE ELEVATION (FT.): 499.0

LOGGED (FT.): 1046.0

LOG TYPE: Electric Log

SOURCE: SLAGTER ARTHUR J JR

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	670.0	
-495.0	CARBONDALE	HERRIN	COAL	-	994.0	
-543.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1042.0	ROOF: 4ST.D

MAPID: 02501904000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 6E

SECTION: 9

QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NE

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.530461

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.805431

DATE COLLECTED:

SURFACE ELEVATION (FT.): 459.0

LOGGED (FT.): 1010.0

LOG TYPE: Electric Log

SOURCE: STARR, J. CURTIS

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-500.0	CARBONDALE	HERRIN	COAL	-	959.0	
-547.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1006.0	ROOF: 2ST.D

MAPID: 02501332000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 10 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.518692 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.805076 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 1053.0 LOG TYPE: Electric Log
 SOURCE: SUPERIOR OIL CO., THE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-156.0	BOND	CARTHAGE	LIMESTONE	-	644.0	
-512.0	CARBONDALE	HERRIN	COAL	-	1000.0	
-561.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1049.0	ROOF: 2ST.D

MAPID: 02503276000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 11 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.507048 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.808381 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 1072.0 LOG TYPE: Electric Log
 SOURCE: RICHEY ANCIL A WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-527.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1068.0	ROOF: 6SH

MAPID: 02500731000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.478911 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.809636 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 1076.0 LOG TYPE: Electric Log
 SOURCE: ZINK JOHN WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-168.0	BOND	CARTHAGE	LIMESTONE	-	657.0	
-536.0	CARBONDALE	HERRIN	COAL	-	1025.0	
-583.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1072.0	ROOF: 1'SH, 4'ST.D

MAPID: 02503278000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 13 QUARTERS/FOOTAGES: 333' N line, 330' W line of NE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.474391 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.787387 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 1046.0 LOG TYPE: Electric Log
 SOURCE: MURVIN & STEBER DRLG WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-153.0	BOND	CARTHAGE	LIMESTONE	-	615.0	
-533.0	CARBONDALE	HERRIN	COAL	-	995.0	
-580.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1042.0	ROOF: 2ST.D

MAPID: 02503279000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 14 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.495376 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.795362 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 1068.0 LOG TYPE: Electric Log
 SOURCE: GARFIELD SAMUEL S WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-163.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-538.0	CARBONDALE	HERRIN	COAL	-	1015.0	
-587.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1064.0	ROOF: 1ST.D

MAPID: 02501335000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.521059 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.788447 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 1006.0 LOG TYPE: Electric Log
 SOURCE: DRURY DRLG CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-500.0	CARBONDALE	HERRIN	COAL	-	956.0	
-547.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1003.0	ROOF: 1'SH, 3'ST.D

MAPID: 02501336000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 17 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.549362 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.787319 DATE COLLECTED:

SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 984.0 LOG TYPE: Electric Log

SOURCE: HARRELL RALPH ETAL WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-462.0	CARBONDALE	HERRIN	COAL	-	926.0	
-516.0	CARBONDALE	SPRINGFIELD	COAL	4.0	980.0	ROOF: SH

MAPID: 02501993000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.570371 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.789526 DATE COLLECTED:

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 1020.0 LOG TYPE: Electric Log

SOURCE: DUNCAN, WALTER WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-148.0	BOND	CARTHAGE	LIMESTONE	-	609.0	
-492.0	CARBONDALE	HERRIN	COAL	-	953.0	
-555.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1016.0	ROOF: SH

MAPID: 02500204000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 20 QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.563417 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.776481 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 976.0 LOG TYPE: Electric Log

SOURCE: LAGALL OIL CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	586.0	
-	CARBONDALE	HERRIN	COAL	-	936.0	
-	CARBONDALE	SPRINGFIELD	COAL	4.0	972.0	ROOF: 2ST.D

MAPID: 02500204000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 6E

SECTION: 20

QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.563417

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.776481

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 516.0

LOGGED (FT.): 5160.0

LOG TYPE:

SOURCE: LAGALL OC, HUFFMAN N 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-68.0	BOND	CARTHAGE	LIMESTONE	-	584.0	
-418.0	CARBONDALE	HERRIN	COAL	3.0	934.0	
-456.0	CARBONDALE	SPRINGFIELD	COAL	2.0	972.0	
-1504.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0	

MAPID: 02525183000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 6E

SECTION: 21

QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.544644

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.772479

DATE COLLECTED:

SURFACE ELEVATION (FT.): 510.0

LOGGED (FT.): 1066.0

LOG TYPE: Electric Log

SOURCE: MCKINNEY OIL PROD.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-503.0	CARBONDALE	HERRIN	COAL	-	1013.0	
-552.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1062.0	ROOF: 2SH

MAPID: 02525186000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 6E

SECTION: 22

QUARTERS/FOOTAGES: 330' S line, 330' W line

QUADRANGLE: LOUISVILLE WEST

LONGITUDE: -88.525884

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.768422

DATE COLLECTED:

SURFACE ELEVATION (FT.): 490.0

LOGGED (FT.): 1064.0

LOG TYPE: Electric Log

SOURCE: FULK OIL COMPANY

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	-	649.0	
-515.0	CARBONDALE	HERRIN	COAL	-	1005.0	
-571.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1061.0	ROOF: 2ST.D

MAPID: 02500590000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.479027 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.778235 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 449.0 LOGGED (FT.): 1057.0 LOG TYPE: Electric Log
 SOURCE: BAINES, DON DRLG. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-555.0	CARBONDALE	HERRIN	COAL	-	1004.0	
-603.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1052.0	ROOF: SH

MAPID: 02501337000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.471835 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.75805 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 1112.0 LOG TYPE: Electric Log
 SOURCE: GILLIAM OIL CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-224.0	BOND	CARTHAGE	LIMESTONE	-	664.0	
-620.0	CARBONDALE	HERRIN	COAL	-	1060.0	
-668.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1108.0	ROOF: SH

MAPID: 02500205000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 26 QUARTERS/FOOTAGES: NW SW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.497823 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.754936 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 1101.0 LOG TYPE: Electric Log
 SOURCE: GULF REFINING CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-196.0	BOND	CARTHAGE	LIMESTONE	-	674.0	
-568.0	CARBONDALE	HERRIN	COAL	4.0	1046.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1098.0	ROOF: SH

MAPID: 02500205000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.497823 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.754936 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 4780.0 **LOG TYPE:**
SOURCE: GULF REF, MCCOLLUM H0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-195.0	BOND	CARTHAGE	LIMESTONE	-	673.0	
-415.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	893.0	
-572.0	CARBONDALE	HERRIN	COAL	2.0	1050.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1098.0	
-1476.0	BASE OF PENN.		UNCLASSIFIED	-	1954.0	

MAPID: 02500205000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.497823 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.754936 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3110.0 **LOG TYPE:** Survey Sample Study
SOURCE: GULF REFINING CO. **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: 02501338000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 27 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.523473 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.759128 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 493.0 **LOGGED (FT.):** 1083.0 **LOG TYPE:** Electric Log
SOURCE: EVERHART J WILLIAM **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	-	652.0	
-529.0	CARBONDALE	HERRIN	COAL	-	1022.0	
-586.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1079.0	ROOF: 2ST.D

MAPID: 02504250000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 30 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.572514 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.767448 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 513.0 LOGGED (FT.): 989.0 LOG TYPE: Electric Log
 SOURCE: STRAKE G W WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-88.0	BOND	CARTHAGE	LIMESTONE	-	601.0	
-415.0	CARBONDALE	HERRIN	COAL	-	928.0	
-472.0	CARBONDALE	SPRINGFIELD	COAL	4.0	985.0	ROOF: 3ST.D

MAPID: 02501898000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 31 QUARTERS/FOOTAGES: 990' N line, 330' W line of NW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.581767 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.75107 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 1023.0 LOG TYPE: Electric Log
 SOURCE: DUNCAN, WALTER WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-118.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-456.0	CARBONDALE	HERRIN	COAL	-	968.0	
-508.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1020.0	ROOF: 2ST.D

MAPID: 02501339000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 6E SECTION: 33 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW NE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.532804 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.752008 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 491.0 LOGGED (FT.): 1114.0 LOG TYPE: Electric Log
 SOURCE: CALVERT DRILLING, INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-177.0	BOND	CARTHAGE	LIMESTONE	-	668.0	
-558.0	CARBONDALE	HERRIN	COAL	-	1049.0	
-619.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1110.0	ROOF: 2ST.D

MAPID: 02500361000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 34 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.509299 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.744104 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 4840.0 **LOG TYPE:**
SOURCE: TEXAS CO, KEMMERER R0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-158.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-544.0	CARBONDALE	HERRIN	COAL	2.0	1028.0	
-591.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1075.0	
-1446.0	BASE OF PENN.		UNCLASSIFIED	-	1930.0	

MAPID: 02503283000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE SE
QUADRANGLE: XENIA NE **LONGITUDE:** -88.511594 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.740546 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 1086.0 **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	
-176.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-543.0	CARBONDALE	HERRIN	COAL	-	1027.0	
-598.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1082.0	ROOF: SH

MAPID: 02501341000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 6E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: FLORA **LONGITUDE:** -88.481161 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.74552 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 1154.0 **LOG TYPE:** Electric Log
SOURCE: BOLIN, D. H. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-237.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-626.0	CARBONDALE	HERRIN	COAL	3.0	1099.0	
-678.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1151.0	ROOF: SH

MAPID: 02501437000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.370227 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.814671 DATE COLLECTED:

SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 1127.0 LOG TYPE: Electric Log

SOURCE: DUNCAN, WALTER WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-200.0	BOND	CARTHAGE	LIMESTONE	-	685.0	
-595.0	CARBONDALE	HERRIN	COAL	-	1080.0	
-638.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1123.0	ROOF: 6SH

MAPID: 02501487000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.398208 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.815331 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 1077.0 LOG TYPE: Electric Log

SOURCE: NOBLE JUD WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-187.0	BOND	CARTHAGE	LIMESTONE	-	665.0	
-562.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-595.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1073.0	ROOF: 6SH

MAPID: 02500283000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 3 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.40054 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.813504 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 481.0 LOGGED (FT.): 4810.0 LOG TYPE:

SOURCE: RBNSN PUCK, GIBSON CON0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	662.0	
-568.0	CARBONDALE	HERRIN	COAL	4.0	1049.0	
-612.0	CARBONDALE	SPRINGFIELD	COAL	-	1093.0	
-1503.0	BASE OF PENN.		UNCLASSIFIED	-	1984.0	

MAPID: 02501104000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 3 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.402892 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.819108 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 1090.0 LOG TYPE: Electric Log
 SOURCE: KINGWOOD OIL CO WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-190.0	BOND	CARTHAGE	LIMESTONE	-	673.0	
-561.0	CARBONDALE	HERRIN	COAL	-	1044.0	
-603.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1086.0	ROOF: 1'SH, 4'ST.D

MAPID: 02501343000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.428642 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.817632 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 1108.0 LOG TYPE: Electric Log
 SOURCE: DON TRADERS INC WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-206.0	BOND	CARTHAGE	LIMESTONE	-	696.0	
-568.0	CARBONDALE	HERRIN	COAL	-	1058.0	
-614.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1104.0	ROOF: 1'SH, 4'ST.D

MAPID: 02501818000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 5 QUARTERS/FOOTAGES: 330' N line, 460' W line of SW SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.453879 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.812516 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 484.0 LOGGED (FT.): 1084.0 LOG TYPE: Electric Log
 SOURCE: SMITH OIL COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-184.0	BOND	CARTHAGE	LIMESTONE	-	668.0	
-551.0	CARBONDALE	HERRIN	COAL	-	1035.0	
-596.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1080.0	ROOF: 4'ST.D

MAPID: 02501859000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.458957 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.816383 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 1044.0 LOG TYPE: Electric Log
 SOURCE: SMITH MILTON R WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-172.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-536.0	CARBONDALE	HERRIN	COAL	-	999.0	
-577.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1040.0	ROOF: 1ST.D

MAPID: 02501345000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 7 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.463926 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.79629 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 1067.0 LOG TYPE: Electric Log
 SOURCE: BENSON, COMER W. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-176.0	BOND	CARTHAGE	LIMESTONE	-	654.0	
-542.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-585.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1063.0	ROOF: 2ST.D

MAPID: 02504291000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 8 QUARTERS/FOOTAGES: 330' S line, 990' W line of SE NW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.447496 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.80319 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 485.0 LOGGED (FT.): 1080.0 LOG TYPE: Electric Log
 SOURCE: MCCULLUM & KINCAID WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-546.0	CARBONDALE	HERRIN	COAL	-	1031.0	
-591.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	ROOF: 4SH

MAPID: 02503301000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.428849 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.801087 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 482.0 LOGGED (FT.): 1085.0 LOG TYPE: Drillers Log
 SOURCE: SANDERS & FYE DRILLING WELL TYPE: Water Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	653.0	
-555.0	CARBONDALE	HERRIN	COAL	-	1037.0	
-599.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1081.0	ROOF: 1'SH, 3'ST.D

MAPID: 02500500000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 11 QUARTERS/FOOTAGES: SW NW SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.3984 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.798793 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 4630.0 LOG TYPE:
 SOURCE: LUTTRELL H, PHILLIPS A0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	-	644.0	
-572.0	CARBONDALE	HERRIN	COAL	-	1035.0	
-615.0	CARBONDALE	SPRINGFIELD	COAL	-	1078.0	
-1511.0	BASE OF PENN.		UNCLASSIFIED	-	1974.0	

MAPID: 02500206000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 12 QUARTERS/FOOTAGES: SW SE SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.375173 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.79468 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 472.0 LOGGED (FT.): 4720.0 LOG TYPE:
 SOURCE: GULF REF, HASTINGS R0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-211.0	BOND	CARTHAGE	LIMESTONE	-	683.0	
-587.0	CARBONDALE	HERRIN	COAL	2.0	1059.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	-	1103.0	
-1525.0	BASE OF PENN.		UNCLASSIFIED	-	1997.0	

MAPID: 02500525000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.419572 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.790016 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 473.0 **LOGGED (FT.):** 4730.0 **LOG TYPE:**
SOURCE: MAGNOLIA, CAMMON M 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-177.0	BOND	CARTHAGE	LIMESTONE	-	650.0
-577.0	CARBONDALE	HERRIN	COAL	2.5	1050.0
-616.0	CARBONDALE	SPRINGFIELD	COAL	-	1089.0
-1549.0	BASE OF PENN.		UNCLASSIFIED	-	2022.0

MAPID: 02500207000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE NE SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.382159 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.769275 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 441.0 **LOGGED (FT.):** 4410.0 **LOG TYPE:**
SOURCE: GULF REF, HASTINGS E0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-188.0	BOND	CARTHAGE	LIMESTONE	-	629.0
-586.0	CARBONDALE	HERRIN	COAL	3.0	1027.0
-633.0	CARBONDALE	SPRINGFIELD	COAL	-	1074.0

MAPID: 02500470000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.396239 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.765992 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 4510.0 **LOG TYPE:**
SOURCE: RBNSN PUCK, LEWIS 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-199.0	BOND	CARTHAGE	LIMESTONE	-	650.0
-575.0	CARBONDALE	HERRIN	COAL	2.5	1026.0
-623.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1074.0
-1529.0	BASE OF PENN.		UNCLASSIFIED	-	1980.0

MAPID: 02500833000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.379825 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.769241 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 1079.0 LOG TYPE: Electric Log
 SOURCE: SLAPE, DON DRILLING WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-192.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-588.0	CARBONDALE	HERRIN	COAL	-	1030.0	
-633.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1075.0	ROOF: 5SH

MAPID: 02500208000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 25 QUARTERS/FOOTAGES: SE SW SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.377466 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.750861 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 4500.0 LOG TYPE:
 SOURCE: GULF REF, ANDERSON A0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-174.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1019.0	
-619.0	CARBONDALE	SPRINGFIELD	COAL	-	1069.0	
-1563.0	BASE OF PENN.		UNCLASSIFIED	-	2013.0	

MAPID: 02500210000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 25 QUARTERS/FOOTAGES: SE NW SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.377482 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.754547 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 453.0 LOGGED (FT.): 4530.0 LOG TYPE:
 SOURCE: GULF REF, DILLMAN W 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-178.0	BOND	CARTHAGE	LIMESTONE	-	631.0	
-573.0	CARBONDALE	HERRIN	COAL	-	1026.0	
-621.0	CARBONDALE	SPRINGFIELD	COAL	-	1074.0	

MAPID: 02500468000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 25 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.37981 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.750917 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 4430.0 **LOG TYPE:**
SOURCE: GULF REF, FRANKLIN J0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-167.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-605.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1048.0	
-1497.0	BASE OF PENN.		UNCLASSIFIED	-	1940.0	

MAPID: 02500469000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 25 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.37982 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.752753 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 4480.0 **LOG TYPE:**
SOURCE: GULF REF, FRANKLIN 0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-166.0	BOND	CARTHAGE	LIMESTONE	-	614.0	
-560.0	CARBONDALE	HERRIN	COAL	2.5	1008.0	
-608.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1056.0	
-1499.0	BASE OF PENN.		UNCLASSIFIED	-	1947.0	

MAPID: 02501671000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.375173 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.761891 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 1081.0 **LOG TYPE:** Electric Log
SOURCE: BLACK & BLACK OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-197.0	BOND	CARTHAGE	LIMESTONE	-	631.0	
-596.0	CARBONDALE	HERRIN	COAL	-	1030.0	
-643.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1077.0	ROOF: 6SH

MAPID: 02500209000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.389242 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.754721 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 4600.0 **LOG TYPE:**
SOURCE: GULF REF, BETTINGR F0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-180.0	BOND	CARTHAGE	LIMESTONE	-	640.0
-568.0	CARBONDALE	HERRIN	COAL	-	1028.0
-614.0	CARBONDALE	SPRINGFIELD	COAL	-	1074.0

MAPID: 02500211000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.396329 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.751086 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 454.0 **LOGGED (FT.):** 4540.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, KECK A H 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-188.0	BOND	CARTHAGE	LIMESTONE	-	642.0
-580.0	CARBONDALE	HERRIN	COAL	3.0	1034.0
-630.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1084.0
-1566.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0

MAPID: 02500212000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.39396 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.752925 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 4550.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, KECK A H 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-185.0	BOND	CARTHAGE	LIMESTONE	-	640.0
-572.0	CARBONDALE	HERRIN	COAL	3.0	1027.0
-619.0	CARBONDALE	SPRINGFIELD	COAL	-	1074.0

MAPID: 02500213000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NW SW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.389243 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.752871 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 4560.0 LOG TYPE:
 SOURCE: GULF REF, KECK R 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-174.0	BOND	CARTHAGE	LIMESTONE	-	630.0
-560.0	CARBONDALE	HERRIN	COAL	3.0	1016.0
-608.0	CARBONDALE	SPRINGFIELD	COAL	-	1064.0

MAPID: 02500214000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NE SE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.382171 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.752789 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 443.0 LOGGED (FT.): 4430.0 LOG TYPE:
 SOURCE: GULF REF, KECK R 0002 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-169.0	BOND	CARTHAGE	LIMESTONE	-	612.0
-554.0	CARBONDALE	HERRIN	COAL	-	997.0
-599.0	CARBONDALE	SPRINGFIELD	COAL	-	1042.0

MAPID: 02500215000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NW SE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.384526 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.752818 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 448.0 LOGGED (FT.): 4480.0 LOG TYPE:
 SOURCE: GULF REF, KECK R 0003 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-168.0	BOND	CARTHAGE	LIMESTONE	-	616.0
-597.0	CARBONDALE	SPRINGFIELD	COAL	-	1045.0

MAPID: 02500216000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NE SW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.386884 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.752843 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 4500.0 LOG TYPE:
 SOURCE: GULF REF, KECK R 0004 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-163.0	BOND	CARTHAGE	LIMESTONE	-	613.0
-555.0	CARBONDALE	HERRIN	COAL	2.5	1005.0
-601.0	CARBONDALE	SPRINGFIELD	COAL	-	1051.0

MAPID: 02500217000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.382161 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.750956 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 447.0 LOGGED (FT.): 4470.0 LOG TYPE:
 SOURCE: GULF REF, KECK R 0005 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-163.0	BOND	CARTHAGE	LIMESTONE	-	610.0
-555.0	CARBONDALE	HERRIN	COAL	3.0	1002.0
-597.0	CARBONDALE	SPRINGFIELD	COAL	-	1044.0
-1545.0	BASE OF PENN.		UNCLASSIFIED	-	1992.0

MAPID: 02500218000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.382188 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.756459 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 4520.0 LOG TYPE:
 SOURCE: GULF REF, REED E 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-170.0	BOND	CARTHAGE	LIMESTONE	-	622.0
-549.0	CARBONDALE	HERRIN	COAL	3.0	1001.0
-600.0	CARBONDALE	SPRINGFIELD	COAL	-	1052.0

MAPID: 02500219000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 7E

SECTION: 26

QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.382178

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.754626

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 451.0

LOGGED (FT.): 4510.0

LOG TYPE:

SOURCE: GULF REF, REED E 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-167.0	BOND	CARTHAGE	LIMESTONE	-	618.0
-557.0	CARBONDALE	HERRIN	COAL	1.0	1008.0
-599.0	CARBONDALE	SPRINGFIELD	COAL	-	1050.0

MAPID: 02500220000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 7E

SECTION: 26

QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.384548

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.760176

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 457.0

LOGGED (FT.): 4570.0

LOG TYPE:

SOURCE: GULF REF, TOLLIVER M0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-179.0	BOND	CARTHAGE	LIMESTONE	-	636.0
-567.0	CARBONDALE	HERRIN	COAL	-	1024.0
-613.0	CARBONDALE	SPRINGFIELD	COAL	-	1070.0

MAPID: 02500348000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 7E

SECTION: 26

QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.384545

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.758337

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 455.0

LOGGED (FT.): 4550.0

LOG TYPE:

SOURCE: GULF REF, TOLLIVER M0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-173.0	BOND	CARTHAGE	LIMESTONE	-	628.0
-560.0	CARBONDALE	HERRIN	COAL	2.0	1015.0
-607.0	CARBONDALE	SPRINGFIELD	COAL	-	1062.0

MAPID: 02500349000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: SE NW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.386887 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.75469 DATE COLLECTED: 0 / 0 / 1941
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 4580.0 LOG TYPE:
 SOURCE: GULF REF, BETTINGR F0002 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-180.0	BOND	CARTHAGE	LIMESTONE	-	638.0
-566.0	CARBONDALE	HERRIN	COAL	3.0	1024.0
-616.0	CARBONDALE	SPRINGFIELD	COAL	-	1074.0

MAPID: 02500350000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: SW NE NW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.393921 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.762226 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 4580.0 LOG TYPE:
 SOURCE: GULF REF, TOLLIVER I0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-190.0	BOND	CARTHAGE	LIMESTONE	-	648.0
-581.0	CARBONDALE	HERRIN	COAL	-	1039.0
-625.0	CARBONDALE	SPRINGFIELD	COAL	-	1083.0

MAPID: 02500395000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NE SW NW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.396273 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.760415 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 4570.0 LOG TYPE:
 SOURCE: RBNSN PUCK, TOOLEY W S00A1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-189.0	BOND	CARTHAGE	LIMESTONE	-	646.0
-577.0	CARBONDALE	HERRIN	COAL	3.5	1034.0
-621.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1078.0
-1498.0	BASE OF PENN.		UNCLASSIFIED	-	1955.0

MAPID: 02500471000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.396284 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.758549 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 4560.0 **LOG TYPE:**
SOURCE: RBNSN PUCK, TOOLEY W S00A2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-188.0	BOND	CARTHAGE	LIMESTONE	-	644.0
-585.0	CARBONDALE	HERRIN	COAL	3.0	1041.0
-628.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1084.0
-1486.0	BASE OF PENN.		UNCLASSIFIED	-	1942.0

MAPID: 02500472000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.393928 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.760368 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 4560.0 **LOG TYPE:**
SOURCE: RBNSN PUCK, EASTIN 00A2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-186.0	BOND	CARTHAGE	LIMESTONE	-	642.0
-578.0	CARBONDALE	HERRIN	COAL	2.5	1034.0
-624.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1080.0
-1498.0	BASE OF PENN.		UNCLASSIFIED	-	1954.0

MAPID: 02500473000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.393936 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.758507 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 457.0 **LOGGED (FT.):** 4570.0 **LOG TYPE:**
SOURCE: RBNSN PUCK, EASTIN 00A1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-187.0	BOND	CARTHAGE	LIMESTONE	-	644.0
-577.0	CARBONDALE	HERRIN	COAL	2.5	1034.0
-623.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1080.0

MAPID: 02500475000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: SW NE SW

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.393952 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.754785 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 456.0 LOGGED (FT.): 4560.0 LOG TYPE:

SOURCE: RBNSN PUCK, TOLLIVER J0006 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-184.0	BOND	CARTHAGE	LIMESTONE	-	640.0
-454.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	910.0
-574.0	CARBONDALE	HERRIN	COAL	3.0	1030.0
-619.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1075.0

MAPID: 02500491000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.396295 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.756682 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 4540.0 LOG TYPE:

SOURCE: RBNSN PUCK, TOLLVR CON0003 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-184.0	BOND	CARTHAGE	LIMESTONE	-	638.0
-396.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	850.0
-582.0	CARBONDALE	HERRIN	COAL	3.5	1036.0
-632.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1086.0
-1496.0	BASE OF PENN.		UNCLASSIFIED	-	1950.0

MAPID: 02500492000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 7E SECTION: 26 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.393944 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.756646 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 4540.0 LOG TYPE:

SOURCE: RBNSN PUCK, TOLLIVER J0007 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-187.0	BOND	CARTHAGE	LIMESTONE	-	641.0
-579.0	CARBONDALE	HERRIN	COAL	2.5	1033.0
-634.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1088.0
-1486.0	BASE OF PENN.		UNCLASSIFIED	-	1940.0

MAPID: 02500506000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.398688 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.751109 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 454.0 **LOGGED (FT.):** 4540.0 **LOG TYPE:**
SOURCE: RBNSN PUCK, TOOLEY W S0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	-	629.0	
-456.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	910.0	
-566.0	CARBONDALE	HERRIN	COAL	3.0	1020.0	
-614.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1068.0	
-1496.0	BASE OF PENN.		UNCLASSIFIED	-	1950.0	

MAPID: 02500762000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 26 **QUARTERS/FOOTAGES:** 330' S line, 360' E line of NW NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.386994 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.76206 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 1076.0 **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	
-181.0	BOND	CARTHAGE	LIMESTONE	-	637.0	
-567.0	CARBONDALE	HERRIN	COAL	-	1023.0	
-616.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1072.0	ROOF: 1'SH, 2'ST.D

MAPID: 02500221000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 27 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.405742 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.751167 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 4530.0 **LOG TYPE:**
SOURCE: SANDRS ETL, HAGEN J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-575.0	CARBONDALE	HERRIN	COAL	2.0	1028.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	-	1073.0	

MAPID: 02500371000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 27 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.401043 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.751128 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 456.0 **LOGGED (FT.):** 4560.0 **LOG TYPE:**
SOURCE: RBNSN PUCK, TOOLEY W S0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.0	BOND	CARTHAGE	LIMESTONE	-	626.0	
-566.0	CARBONDALE	HERRIN	COAL	2.5	1022.0	
-607.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1063.0	
-1566.0	BASE OF PENN.		UNCLASSIFIED	-	2022.0	

MAPID: 02501917000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 27 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.417389 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.764465 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 1089.0 **LOG TYPE:** Electric Log
SOURCE: MONARCH DEVELOPMENT CO. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-206.0	BOND	CARTHAGE	LIMESTONE	-	672.0	
-574.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-619.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1085.0	ROOF: 2ST.D

MAPID: 02500476000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 29 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.445477 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.759216 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 468.0 **LOGGED (FT.):** 1102.0 **LOG TYPE:** Electric Log
SOURCE: SKELLY OIL CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-584.0	CARBONDALE	HERRIN	COAL	-	1052.0	
-630.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1098.0	ROOF: 5SH

MAPID: 02500476000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 7E

SECTION: 29

QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.445477

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.759216

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 468.0

LOGGED (FT.): 4680.0

LOG TYPE:

SOURCE: SKELLY OC, JOHNSN R W0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-584.0	CARBONDALE	HERRIN	COAL	2.5	1052.0	
-632.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1100.0	
-1554.0	BASE OF PENN.		UNCLASSIFIED	-	2022.0	

MAPID: 02501354000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 7E

SECTION: 30

QUARTERS/FOOTAGES: 330' S line, 330' E line of NE SE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.457157

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.75576

DATE COLLECTED:

SURFACE ELEVATION (FT.): 462.0

LOGGED (FT.): 1118.0

LOG TYPE: Electric Log

SOURCE: BLACK, J. L. OIL PROD.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-206.0	BOND	CARTHAGE	LIMESTONE	-	668.0	
-606.0	CARBONDALE	HERRIN	COAL	-	1068.0	
-652.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1114.0	ROOF: 3ST.D

MAPID: 02500617000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 7E

SECTION: 32

QUARTERS/FOOTAGES: 330' S line, 330' W line of NW

QUADRANGLE: FLORA

LONGITUDE: -88.454901

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.744701

DATE COLLECTED:

SURFACE ELEVATION (FT.): 438.0

LOGGED (FT.): 1118.0

LOG TYPE: Electric Log

SOURCE: MISKELL J H

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-230.0	BOND	CARTHAGE	LIMESTONE	-	668.0	
-625.0	CARBONDALE	HERRIN	COAL	-	1063.0	
-677.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1115.0	ROOF: 4ST.D

MAPID: 02501355000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 33 **QUARTERS/FOOTAGES:** 660' N line, 330' E line
QUADRANGLE: FLORA **LONGITUDE:** -88.419825 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.748532 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 1063.0 **LOG TYPE:** Electric Log
SOURCE: MURVIN & STEBER DRLG **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-583.0	CARBONDALE	HERRIN	COAL	-	1035.0	
-628.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1080.0	ROOF: 5'SH

MAPID: 02500120000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.400947 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.743819 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 1065.0 **LOG TYPE:** Electric Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-616.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1061.0	

MAPID: 02500120000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.400947 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.743819 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 4450.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, BUSBY G M 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-167.0	BOND	CARTHAGE	LIMESTONE	-	612.0	
-442.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	887.0	
-570.0	CARBONDALE	HERRIN	COAL	4.0	1015.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1063.0	

MAPID: 02500120000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.400947 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.743819 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2620.0 **LOG TYPE:** Survey Sample Study
SOURCE: MCBRIDE, W. C., INC. **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: 02500222000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.405667 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.743866 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 4460.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DRAKE COMM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-164.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-566.0	CARBONDALE	HERRIN	COAL	2.0	1012.0	
-606.0	CARBONDALE	SPRINGFIELD	COAL	-	1052.0	
-1556.0	BASE OF PENN.		UNCLASSIFIED	-	2002.0	

MAPID: 02500223000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.407986 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.740258 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:** Electric Log
SOURCE: HARDIN, C. G. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-166.0	BOND	CARTHAGE	LIMESTONE	-	616.0	
-563.0	CARBONDALE	HERRIN	COAL	-	1013.0	
-610.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1060.0	ROOF: 3'SH

MAPID: 02500223000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.407986 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.740258 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 450.0 **LOGGED (FT.):** 4500.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, ERWIN P 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-166.0	BOND	CARTHAGE	LIMESTONE	-	616.0
-565.0	CARBONDALE	HERRIN	COAL	-	1015.0
-609.0	CARBONDALE	SPRINGFIELD	COAL	-	1059.0

MAPID: 02500224000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.410351 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.740283 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 4520.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, ERWIN STAN0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-572.0	CARBONDALE	HERRIN	COAL	-	1024.0
-618.0	CARBONDALE	SPRINGFIELD	COAL	-	1070.0

MAPID: 02500225000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.401008 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.747461 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 459.0 **LOGGED (FT.):** 4590.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, FRANKLIN H0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-171.0	BOND	CARTHAGE	LIMESTONE	-	630.0
-567.0	CARBONDALE	HERRIN	COAL	2.5	1026.0
-611.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1070.0
-1561.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0

MAPID: 02500226000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: FLORA **LONGITUDE:** -88.405575 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.736596 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 4340.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, GOLDBY COM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-170.0	BOND	CARTHAGE	LIMESTONE	-	604.0
-562.0	CARBONDALE	HERRIN	COAL	-	996.0
-610.0	CARBONDALE	SPRINGFIELD	COAL	-	1044.0
-1559.0	BASE OF PENN.		UNCLASSIFIED	-	1993.0

MAPID: 02500227000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.398685 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.749261 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 4520.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, BUSBY G M 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-179.0	BOND	CARTHAGE	LIMESTONE	-	631.0
-568.0	CARBONDALE	HERRIN	COAL	3.0	1020.0
-613.0	CARBONDALE	SPRINGFIELD	COAL	-	1065.0

MAPID: 02500228000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.396274 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.743772 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 441.0 **LOGGED (FT.):** 4410.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DUFF J W 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-165.0	BOND	CARTHAGE	LIMESTONE	-	606.0
-568.0	CARBONDALE	HERRIN	COAL	-	1009.0
-617.0	CARBONDALE	SPRINGFIELD	COAL	-	1058.0

MAPID: 02500229000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.382212 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.747287 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 449.0 **LOGGED (FT.):** 4490.0 **LOG TYPE:**
SOURCE: GULF REF, FRANKLIN J0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-171.0	BOND	CARTHAGE	LIMESTONE	-	620.0
-556.0	CARBONDALE	HERRIN	COAL	-	1005.0
-602.0	CARBONDALE	SPRINGFIELD	COAL	-	1051.0

MAPID: 02500230000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.384563 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.74731 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 4470.0 **LOG TYPE:**
SOURCE: GULF REF, FRANKLIN J0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-173.0	BOND	CARTHAGE	LIMESTONE	-	620.0
-601.0	CARBONDALE	SPRINGFIELD	COAL	-	1048.0

MAPID: 02500231000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: FLORA **LONGITUDE:** -88.382176 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.74912 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 4470.0 **LOG TYPE:**
SOURCE: GULF REF, FRANKLIN J0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-168.0	BOND	CARTHAGE	LIMESTONE	-	615.0
-602.0	CARBONDALE	SPRINGFIELD	COAL	-	1049.0
-1511.0	BASE OF PENN.		UNCLASSIFIED	-	1958.0

MAPID: 02500232000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.396309 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.747419 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 4480.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, KECK A H 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-182.0	BOND	CARTHAGE	LIMESTONE	-	630.0
-576.0	CARBONDALE	HERRIN	COAL	3.0	1024.0
-622.0	CARBONDALE	SPRINGFIELD	COAL	-	1070.0
-1542.0	BASE OF PENN.		UNCLASSIFIED	-	1990.0

MAPID: 02500233000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.391614 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.740066 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 433.0 **LOGGED (FT.):** 4330.0 **LOG TYPE:**
SOURCE: WILLIAMS B, KECK E W 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-162.0	BOND	CARTHAGE	LIMESTONE	-	595.0
-559.0	CARBONDALE	HERRIN	COAL	-	992.0
-607.0	CARBONDALE	SPRINGFIELD	COAL	-	1040.0

MAPID: 02500351000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.389269 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.745525 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 448.0 **LOGGED (FT.):** 4480.0 **LOG TYPE:**
SOURCE: HEIDRH ETL, KECK E W 0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-168.0	BOND	CARTHAGE	LIMESTONE	-	616.0
-561.0	CARBONDALE	HERRIN	COAL	-	1009.0
-608.0	CARBONDALE	SPRINGFIELD	COAL	-	1056.0

MAPID: 02500353000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.393968 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.749222 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 4520.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, KECK A H 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-186.0	BOND	CARTHAGE	LIMESTONE	-	638.0
-575.0	CARBONDALE	HERRIN	COAL	-	1027.0
-617.0	CARBONDALE	SPRINGFIELD	COAL	-	1069.0

MAPID: 02500354000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.398632 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.745619 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 452.0 **LOGGED (FT.):** 4520.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DUFF J W 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-170.0	BOND	CARTHAGE	LIMESTONE	-	622.0
-574.0	CARBONDALE	HERRIN	COAL	-	1026.0
-615.0	CARBONDALE	SPRINGFIELD	COAL	-	1067.0
-1544.0	BASE OF PENN.		UNCLASSIFIED	-	1996.0

MAPID: 02500355000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.39395 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.745572 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 1064.0 **LOG TYPE:** Electric Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-169.0	BOND	CARTHAGE	LIMESTONE	-	612.0
-571.0	CARBONDALE	HERRIN	COAL	-	1014.0
-617.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1060.0 ROOF: 3SH

MAPID: 02500355000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.39395 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.745572 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 443.0 **LOGGED (FT.):** 4430.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, COOPER G 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-167.0	BOND	CARTHAGE	LIMESTONE	-	610.0
-571.0	CARBONDALE	HERRIN	COAL	-	1014.0
-615.0	CARBONDALE	SPRINGFIELD	COAL	-	1058.0
-1547.0	BASE OF PENN.		UNCLASSIFIED	-	1990.0

MAPID: 02500392000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.39161 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.745547 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 4510.0 **LOG TYPE:**
SOURCE: ASHLND ORC, KECK E W 0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-159.0	BOND	CARTHAGE	LIMESTONE	-	610.0
-562.0	CARBONDALE	HERRIN	COAL	3.0	1013.0
-608.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1059.0

MAPID: 02500394000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: FLORA **LONGITUDE:** -88.391609 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.749202 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 4530.0 **LOG TYPE:**
SOURCE: GULF REF, KECK R 0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-167.0	BOND	CARTHAGE	LIMESTONE	-	620.0
-565.0	CARBONDALE	HERRIN	COAL	3.0	1018.0
-608.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1061.0
-1493.0	BASE OF PENN.		UNCLASSIFIED	-	1946.0

MAPID: 02500414000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** SW NE SW
QUADRANGLE: FLORA **LONGITUDE:** -88.393926 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.740097 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 4440.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, COOPER G 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-158.0	BOND	CARTHAGE	LIMESTONE	-	602.0
-559.0	CARBONDALE	HERRIN	COAL	3.5	1003.0
-606.0	CARBONDALE	SPRINGFIELD	COAL	-	1050.0
-1516.0	BASE OF PENN.		UNCLASSIFIED	-	1960.0

MAPID: 02500422000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: FLORA **LONGITUDE:** -88.386893 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.74916 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 4470.0 **LOG TYPE:**
SOURCE: GULF REF, KECK COMM 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-165.0	BOND	CARTHAGE	LIMESTONE	-	612.0
-558.0	CARBONDALE	HERRIN	COAL	1.5	1005.0
-603.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1050.0
-1507.0	BASE OF PENN.		UNCLASSIFIED	-	1954.0

MAPID: 02500493000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 35 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.396291 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.745594 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 453.0 **LOGGED (FT.):** 4530.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, DUFF J W 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-171.0	BOND	CARTHAGE	LIMESTONE	-	624.0
-569.0	CARBONDALE	HERRIN	COAL	3.0	1022.0
-617.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1070.0

MAPID: 02500234000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 36 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.377603 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.74354 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 4450.0 **LOG TYPE:**
SOURCE: GULF REF, DRAKE M A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-571.0	CARBONDALE	HERRIN	COAL	3.0	1016.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	-	1068.0	
-1523.0	BASE OF PENN.		UNCLASSIFIED	-	1968.0	

MAPID: 02500235000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 36 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: FLORA **LONGITUDE:** -88.379825 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.749084 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 4460.0 **LOG TYPE:**
SOURCE: GULF REF, FRANKLIN J0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-168.0	BOND	CARTHAGE	LIMESTONE	-	614.0	
-556.0	CARBONDALE	HERRIN	COAL	2.0	1002.0	
-602.0	CARBONDALE	SPRINGFIELD	COAL	-	1048.0	
-1614.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0	

MAPID: 02500930000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 7E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.373052 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.736166 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 439.0 **LOGGED (FT.):** 1077.0 **LOG TYPE:** Electric Log
SOURCE: MCCULLUM & KINCAID **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-186.0	BOND	CARTHAGE	LIMESTONE	-	625.0	
-586.0	CARBONDALE	HERRIN	COAL	-	1025.0	
-635.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1074.0	ROOF: 2ST.D

MAPID: 02500236000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 1 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.259783 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.809888 DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 4740.0 LOG TYPE:

SOURCE: KIDD B, RUDOLPHI J0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-254.0	BOND	CARTHAGE	LIMESTONE	-	728.0	
-451.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	925.0	
-642.0	CARBONDALE	HERRIN	COAL	-	1116.0	
-698.0	CARBONDALE	SPRINGFIELD	COAL	-	1172.0	
-1602.0	BASE OF PENN.		UNCLASSIFIED	-	2076.0	

MAPID: 02501356000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 1 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.26917 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.812131 DATE COLLECTED:

SURFACE ELEVATION (FT.): 467.0 LOGGED (FT.): 1151.0 LOG TYPE: Electric Log

SOURCE: DERICKSON T BLAKE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-243.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-628.0	CARBONDALE	HERRIN	COAL	-	1095.0	
-680.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1147.0	ROOF: 1'SH, 2'ST.D

MAPID: 02503485000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 2 QUARTERS/FOOTAGES: 165' S line, 330' W line of SE NE

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.280829 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.812149 DATE COLLECTED:

SURFACE ELEVATION (FT.): 466.0 LOGGED (FT.): 1141.0 LOG TYPE: Electric Log

SOURCE: DERICKSON T BLAKE WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-221.0	BOND	CARTHAGE	LIMESTONE	-	687.0	
-622.0	CARBONDALE	HERRIN	COAL	-	1088.0	
-670.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1136.0	ROOF: 1'SH, 2'ST.D

MAPID: 02500237000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 3 QUARTERS/FOOTAGES: NW SW SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.303507 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.807862 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 1145.0 LOG TYPE: Electric Log
 SOURCE: NATIONAL PETROLEUM CORP. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-242.0	BOND	CARTHAGE	LIMESTONE	-	706.0	
-631.0	CARBONDALE	HERRIN	COAL	-	1095.0	
-676.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1140.0	ROOF: 6SH

MAPID: 02500237000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 3 QUARTERS/FOOTAGES: NW SW SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.303507 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.807862 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 464.0 LOGGED (FT.): 4640.0 LOG TYPE:
 SOURCE: NAT PET, IFFERT V 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-238.0	BOND	CARTHAGE	LIMESTONE	-	702.0	
-626.0	CARBONDALE	HERRIN	COAL	3.0	1090.0	
-672.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1136.0	

MAPID: 02500119000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 4 QUARTERS/FOOTAGES: SE NE SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.315122 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.810231 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 1144.0 LOG TYPE: Electric Log
 SOURCE: SINCLAIR WYOMING OIL WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-671.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1140.0	

MAPID: 02500119000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 4 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.315122 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.810231 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 4690.0 LOG TYPE:

SOURCE: SNCLR WYOM, HNTRSCHR A0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-233.0	BOND	CARTHAGE	LIMESTONE	-	702.0	
-624.0	CARBONDALE	HERRIN	COAL	2.0	1093.0	
-668.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1137.0	
-1538.0	BASE OF PENN.		UNCLASSIFIED	-	2007.0	

MAPID: 02500119000C VERSION: 3

PROJECT: CONTROL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 4 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.315122 GEOLOGIST: HINES

CONFIDENTIAL: N LATITUDE: 38.810231 DATE COLLECTED:

SURFACE ELEVATION (FT.): LOGGED (FT.): 3052.0 LOG TYPE: Survey Sample Study

SOURCE: SINCLAIR WYOMING OIL 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: 02503508000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.324339 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.814516 DATE COLLECTED:

SURFACE ELEVATION (FT.): 441.0 LOGGED (FT.): 1144.0 LOG TYPE: Electric Log

SOURCE: SKILES OIL CORP WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-250.0	BOND	CARTHAGE	LIMESTONE	-	691.0	
-652.0	CARBONDALE	HERRIN	COAL	-	1093.0	
-698.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1139.0	ROOF: 6SH

MAPID: 02501358000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 5 QUARTERS/FOOTAGES: 331' N line, 330' W line of SE SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.33567 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.809572 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 451.0 LOGGED (FT.): 1142.0 LOG TYPE: Electric Log
 SOURCE: SUN DRLG CO WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-231.0	BOND	CARTHAGE	LIMESTONE	-	682.0	
-639.0	CARBONDALE	HERRIN	COAL	-	1090.0	
-686.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1137.0	ROOF: 7SH

MAPID: 02503511000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 990' E line of NW NE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.358843 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.821658 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 1160.0 LOG TYPE: Electric Log
 SOURCE: CALVERT DRILLING, INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-242.0	BOND	CARTHAGE	LIMESTONE	-	720.0	
-631.0	CARBONDALE	HERRIN	COAL	-	1109.0	
-678.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1156.0	ROOF: 2SH, 3ST.D

MAPID: 02503512000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 7 QUARTERS/FOOTAGES: 990' S line, 330' W line
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.360977 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.79619 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 465.0 LOGGED (FT.): 1136.0 LOG TYPE: Electric Log
 SOURCE: CALVERT DRILLING, INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-221.0	BOND	CARTHAGE	LIMESTONE	-	686.0	
-621.0	CARBONDALE	HERRIN	COAL	-	1086.0	
-666.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1131.0	ROOF: 6SH

MAPID: 02500238000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 8 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.340447 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.797096 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 4690.0 LOG TYPE:

SOURCE: SNCLR WYOM, STANLEY F 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-241.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-638.0	CARBONDALE	HERRIN	COAL	-	1107.0	
-687.0	CARBONDALE	SPRINGFIELD	COAL	-	1156.0	
-1591.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0	

MAPID: 02501668000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 8 QUARTERS/FOOTAGES: 660' N line, 330' E line of NW

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.342636 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.805208 DATE COLLECTED:

SURFACE ELEVATION (FT.): 474.0 LOGGED (FT.): 1160.0 LOG TYPE: Electric Log

SOURCE: REED, C. D. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-236.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-636.0	CARBONDALE	HERRIN	COAL	-	1110.0	
-682.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1156.0	ROOF: 3ST.D

MAPID: 02500239000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 9 QUARTERS/FOOTAGES: NE SE SW

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.324327 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.794524 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 4610.0 LOG TYPE:

SOURCE: NAT REF, LA RUE G 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-221.0	BOND	CARTHAGE	LIMESTONE	-	682.0	
-612.0	CARBONDALE	HERRIN	COAL	-	1073.0	
-659.0	CARBONDALE	SPRINGFIELD	COAL	-	1120.0	
-1599.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0	

MAPID: 02501362000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.324256 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.801633 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 1140.0 LOG TYPE: Electric Log
 SOURCE: CARTER OIL COMPANY WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-218.0	BOND	CARTHAGE	LIMESTONE	-	686.0	
-622.0	CARBONDALE	HERRIN	COAL	-	1090.0	
-668.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1136.0	ROOF: 1'SH, 1'ST.D

MAPID: 02500240000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 10 QUARTERS/FOOTAGES: NW SE SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.298812 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.79312 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 4630.0 LOG TYPE:
 SOURCE: NAT PET, HNTRSCHR G0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-231.0	BOND	CARTHAGE	LIMESTONE	-	694.0	
-625.0	CARBONDALE	HERRIN	COAL	2.0	1088.0	
-671.0	CARBONDALE	SPRINGFIELD	COAL	-	1134.0	
-1533.0	BASE OF PENN.		UNCLASSIFIED	-	1996.0	

MAPID: 02503540000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.308139 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.797142 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 463.0 LOGGED (FT.): 1147.0 LOG TYPE: Electric Log
 SOURCE: HAMMER,A. J. & BREHM,C.E WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-242.0	BOND	CARTHAGE	LIMESTONE	-	705.0	
-632.0	CARBONDALE	HERRIN	COAL	-	1095.0	
-679.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1142.0	ROOF: 1'SH, 4'ST.D

MAPID: 02500241000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 11 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.28742 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.800003 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 1129.0 LOG TYPE: Electric Log
 SOURCE: SUPERIOR OIL COMPANY WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-216.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-618.0	CARBONDALE	HERRIN	COAL	-	1078.0	
-664.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1124.0	ROOF: 2ST.D

MAPID: 02500241000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 11 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.28742 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.800003 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 460.0 LOGGED (FT.): 4600.0 LOG TYPE:
 SOURCE: SUPRIOR OC, HNTRSCHR H0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-216.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-618.0	CARBONDALE	HERRIN	COAL	4.0	1078.0	
-664.0	CARBONDALE	SPRINGFIELD	COAL	-	1124.0	
-1522.0	BASE OF PENN.		UNCLASSIFIED	-	1982.0	

MAPID: 02500503000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 12 QUARTERS/FOOTAGES: SW SW NE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.266811 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.797558 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 470.0 LOGGED (FT.): 4700.0 LOG TYPE:
 SOURCE: MAGNOLIA, STANLEY F 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-220.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-632.0	CARBONDALE	HERRIN	COAL	-	1102.0	
-684.0	CARBONDALE	SPRINGFIELD	COAL	-	1154.0	
-1621.0	BASE OF PENN.		UNCLASSIFIED	-	2091.0	

MAPID: 02503558000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE SE NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.269126 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.799383 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 469.0 LOGGED (FT.): 1160.0 LOG TYPE: Electric Log
 SOURCE: MAGNOLIA PETROLEUM WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-219.0	BOND	CARTHAGE	LIMESTONE	-	688.0	
-631.0	CARBONDALE	HERRIN	COAL	-	1100.0	
-686.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1155.0	ROOF: 2ST.D

MAPID: 02501887000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 660' E line of SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.260861 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.781266 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 442.0 LOGGED (FT.): 1102.0 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	
-212.0	BOND	CARTHAGE	LIMESTONE	-	654.0	
-602.0	CARBONDALE	HERRIN	COAL	-	1044.0	
-657.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1099.0	ROOF: 1'SH, 3ST.D

MAPID: 02503584000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 14 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NW NE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.285113 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.787345 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 457.0 LOGGED (FT.): 1168.0 LOG TYPE: Electric Log
 SOURCE: SOHIO PETROLEUM CO. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-237.0	BOND	CARTHAGE	LIMESTONE	-	694.0	
-647.0	CARBONDALE	HERRIN	COAL	-	1104.0	
-706.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1163.0	ROOF: 1'ST.D

MAPID: 02500242000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 15 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.296508 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.782281 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 1145.0 LOG TYPE: Electric Log
 SOURCE: DELTA OIL CO., INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-237.0	BOND	CARTHAGE	LIMESTONE	-	689.0	
-633.0	CARBONDALE	HERRIN	COAL	-	1085.0	
-688.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1140.0	ROOF: 3ST.D

MAPID: 02500242000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 15 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.296508 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.782281 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 452.0 LOGGED (FT.): 4520.0 LOG TYPE:
 SOURCE: DELTA OPC, MUHS 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-238.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-635.0	CARBONDALE	HERRIN	COAL	3.0	1087.0	
-688.0	CARBONDALE	SPRINGFIELD	COAL	-	1140.0	
-1688.0	BASE OF PENN.		UNCLASSIFIED	-	2140.0	

MAPID: 02500735000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 16 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.328965 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.787569 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 450.0 LOGGED (FT.): 1115.0 LOG TYPE: Electric Log
 SOURCE: RUNYON, DELBERT H. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-224.0	BOND	CARTHAGE	LIMESTONE	-	674.0	
-612.0	CARBONDALE	HERRIN	COAL	-	1062.0	
-660.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1110.0	ROOF: 2ST.D

MAPID: 02500738000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.34046 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.780697 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 458.0 LOGGED (FT.): 1162.0 LOG TYPE: Electric Log
 SOURCE: SLAPE, DON DRILLING WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-235.0	BOND	CARTHAGE	LIMESTONE	-	693.0	
-638.0	CARBONDALE	HERRIN	COAL	-	1096.0	
-698.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1156.0	ROOF: 2ST.D

MAPID: 02500760000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.356679 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.785087 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 1149.0 LOG TYPE: Electric Log
 SOURCE: RAY CHESTER O WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-249.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-624.0	CARBONDALE	HERRIN	COAL	-	1085.0	
-683.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1144.0	ROOF: 6SH

MAPID: 02503604000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 19 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.356679 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.770598 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 455.0 LOGGED (FT.): 1108.0 LOG TYPE: Electric Log
 SOURCE: LICHLYTER, WALTER LEE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-213.0	BOND	CARTHAGE	LIMESTONE	-	668.0	
-606.0	CARBONDALE	HERRIN	COAL	-	1061.0	
-647.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1102.0	ROOF: 2ST.D

MAPID: 02501369000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 20 QUARTERS/FOOTAGES: SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.336865 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.76698 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 459.0 LOGGED (FT.): 1140.0 LOG TYPE: Electric Log
 SOURCE: CALVERT & WILLIS, INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-624.0	CARBONDALE	HERRIN	COAL	-	1083.0	
-676.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1135.0	ROOF: 2ST.D

MAPID: 02500243000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 21 QUARTERS/FOOTAGES: NE SE SW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.32415 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.76579 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 454.0 LOGGED (FT.): 4540.0 LOG TYPE:
 SOURCE: GULF REF, LEVITT J 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-213.0	BOND	CARTHAGE	LIMESTONE	-	667.0	
-606.0	CARBONDALE	HERRIN	COAL	-	1060.0	

MAPID: 02500656000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 21 QUARTERS/FOOTAGES: SE NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.325374 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.771953 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 440.0 LOGGED (FT.): 1091.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-599.0	CARBONDALE	HERRIN	COAL	-	1039.0	
-646.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1086.0	ROOF: 5ST.D

MAPID: 02500244000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 8E

SECTION: 22

QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: SAILOR SPRINGS

LONGITUDE: -88.312691

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.770499

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 437.0

LOGGED (FT.): 4370.0

LOG TYPE:

SOURCE: BALDWN ETL, LEVITT G 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-203.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-601.0	CARBONDALE	HERRIN	COAL	3.0	1038.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1092.0	
-1593.0	BASE OF PENN.		UNCLASSIFIED	-	2030.0	

MAPID: 02500672000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 8E

SECTION: 22

QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NW

QUADRANGLE: SAILOR SPRINGS

LONGITUDE: -88.308067

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.773911

DATE COLLECTED:

SURFACE ELEVATION (FT.): 427.0

LOGGED (FT.): 1118.0

LOG TYPE: Electric Log

SOURCE: SLAPE, DON DRILLING

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-219.0	BOND	CARTHAGE	LIMESTONE	-	646.0	
-629.0	CARBONDALE	HERRIN	COAL	-	1056.0	
-687.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1114.0	ROOF: 1'SH, 4'ST.D

MAPID: 02500245000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 8E

SECTION: 23

QUARTERS/FOOTAGES: SE SW SE

QUADRANGLE: SAILOR SPRINGS

LONGITUDE: -88.282537

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.76208

DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0

LOGGED (FT.): 1140.0

LOG TYPE: Electric Log

SOURCE: DELTA OIL CO., INC.

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-231.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-640.0	CARBONDALE	HERRIN	COAL	-	1085.0	
-691.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1136.0	ROOF: 1'SH, 2'ST.D

MAPID: 02500245000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 23 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.282537 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.76208 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 445.0 **LOGGED (FT.):** 4450.0 **LOG TYPE:**
SOURCE: DELTA OPC, CRACKEL 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-231.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-435.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	880.0	
-640.0	CARBONDALE	HERRIN	COAL	3.0	1085.0	
-691.0	CARBONDALE	SPRINGFIELD	COAL	-	1136.0	
-1635.0	BASE OF PENN.		UNCLASSIFIED	-	2080.0	

MAPID: 02500246000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 24 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.268744 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.76519 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 436.0 **LOGGED (FT.):** 4360.0 **LOG TYPE:**
SOURCE: OHIO OIL, NEGLEY D 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-201.0	BOND	CARTHAGE	LIMESTONE	-	637.0	
-386.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	822.0	
-604.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-656.0	CARBONDALE	SPRINGFIELD	COAL	-	1092.0	
-1711.0	BASE OF PENN.		UNCLASSIFIED	-	2147.0	

MAPID: 02500636000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW NE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.264107 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.772267 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 437.0 **LOGGED (FT.):** 1090.0 **LOG TYPE:** Electric Log
SOURCE: SLAPE, DON DRILLING **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-213.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-593.0	CARBONDALE	HERRIN	COAL	-	1030.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1085.0	ROOF: 7SH

MAPID: 02501370000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 25 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.263938 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.752193 DATE COLLECTED:

SURFACE ELEVATION (FT.): 445.0 LOGGED (FT.): 1093.0 LOG TYPE: Electric Log

SOURCE: WALKER SAM G WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-590.0	CARBONDALE	HERRIN	COAL	-	1035.0	
-645.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1090.0	ROOF: 5ST.D

MAPID: 02500798000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 26 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NW

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.291603 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.755041 DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 1090.0 LOG TYPE: Electric Log

SOURCE: HARTMAN & JORDAN WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-214.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-605.0	CARBONDALE	HERRIN	COAL	-	1033.0	
-658.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1086.0	ROOF: 3ST.D

MAPID: 02501371000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NW

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.310236 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.757668 DATE COLLECTED:

SURFACE ELEVATION (FT.): 433.0 LOGGED (FT.): 1119.0 LOG TYPE: Electric Log

SOURCE: DUNCAN, N. V., EST. OF WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-232.0	BOND	CARTHAGE	LIMESTONE	-	665.0	
-624.0	CARBONDALE	HERRIN	COAL	-	1057.0	
-682.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1115.0	ROOF: 3ST.D

MAPID: 02500478000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 28 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.314766 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.748443 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 4470.0 **LOG TYPE:**
SOURCE: MAGNOLIA, BROWN WM 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-229.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-417.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	864.0	
-631.0	CARBONDALE	HERRIN	COAL	1.0	1078.0	
-682.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1129.0	
-1573.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0	

MAPID: 02500645000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 28 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.324065 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.754482 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 1125.0 **LOG TYPE:** Electric Log
SOURCE: LINDSAY, THEODORE R. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-223.0	BOND	CARTHAGE	LIMESTONE	-	670.0	
-620.0	CARBONDALE	HERRIN	COAL	-	1067.0	
-673.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1120.0	ROOF: 6SH

MAPID: 02500929000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SW
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.344908 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.755293 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1082.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-584.0	CARBONDALE	HERRIN	COAL	-	1035.0	
-627.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1078.0	ROOF: 4SH

MAPID: 02500248000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.35889 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.75782 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 1099.0 **LOG TYPE:** Electric Log
SOURCE: MCBRIDE, W. C., INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-197.0	BOND	CARTHAGE	LIMESTONE	-	644.0	
-601.0	CARBONDALE	HERRIN	COAL	-	1048.0	
-647.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1094.0	ROOF: 4SH

MAPID: 02500248000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.35889 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.75782 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 447.0 **LOGGED (FT.):** 4470.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, STANLEY L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-407.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	854.0	
-601.0	CARBONDALE	HERRIN	COAL	-	1048.0	
-647.0	CARBONDALE	SPRINGFIELD	COAL	-	1094.0	
-1539.0	BASE OF PENN.		UNCLASSIFIED	-	1986.0	

MAPID: 02503624000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 31 **QUARTERS/FOOTAGES:** W2
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.359411 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.742079 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 434.0 **LOGGED (FT.):** 1092.0 **LOG TYPE:** Electric Log
SOURCE: SLAGTER PRODUCING CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-605.0	CARBONDALE	HERRIN	COAL	-	1039.0	
-655.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1089.0	ROOF: 2ST.D

MAPID: 02503628000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW SE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.340126 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.736764 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 442.0 **LOGGED (FT.):** 1096.0 **LOG TYPE:** Electric Log
SOURCE: DUNCAN, N. V., EST. OF **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-207.0	BOND	CARTHAGE	LIMESTONE	-	649.0	
-598.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-651.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1093.0	ROOF: 4SH

MAPID: 02500477000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 33 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.314732 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.744782 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 444.0 **LOGGED (FT.):** 4440.0 **LOG TYPE:**
SOURCE: MAGNOLIA, RINNERT M 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-208.0	BOND	CARTHAGE	LIMESTONE	-	652.0	
-408.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	852.0	
-618.0	CARBONDALE	HERRIN	COAL	3.0	1062.0	
-670.0	CARBONDALE	SPRINGFIELD	COAL	-	1114.0	

MAPID: 02500524000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 4N 8E **SECTION:** 33 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: CLAY CITY **LONGITUDE:** -88.321658 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.741451 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 446.0 **LOGGED (FT.):** 1121.0 **LOG TYPE:** Electric Log
SOURCE: MAGNOLIA PETROLEUM **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-214.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-618.0	CARBONDALE	HERRIN	COAL	-	1064.0	
-670.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1116.0	ROOF: 4SH

MAPID: 02500524000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 4N 8E

SECTION: 33

QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: CLAY CITY

LONGITUDE: -88.321658

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.741451

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 446.0

LOGGED (FT.): 4460.0

LOG TYPE:

SOURCE: MAGNOLIA, BROWN S 00A1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-214.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-408.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	854.0	
-618.0	CARBONDALE	HERRIN	COAL	-	1064.0	
-668.0	CARBONDALE	SPRINGFIELD	COAL	-	1114.0	

MAPID: 02503635000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 8E

SECTION: 34

QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SE

QUADRANGLE: CLAY CITY

LONGITUDE: -88.298448

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.7387

DATE COLLECTED:

SURFACE ELEVATION (FT.): 426.0

LOGGED (FT.): 1107.0

LOG TYPE: Electric Log

SOURCE: MCCULLUM & KINCAID

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-218.0	BOND	CARTHAGE	LIMESTONE	-	644.0	
-617.0	CARBONDALE	HERRIN	COAL	-	1043.0	
-677.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1103.0	ROOF: 1'SH, 4'ST.D

MAPID: 02501375000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 4N 8E

SECTION: 35

QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: CLAY CITY

LONGITUDE: -88.286908

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.741907

DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0

LOGGED (FT.): 1113.0

LOG TYPE: Electric Log

SOURCE: FIRST NAT'L. PETRO., THE

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-226.0	BOND	CARTHAGE	LIMESTONE	-	654.0	
-624.0	CARBONDALE	HERRIN	COAL	-	1052.0	
-680.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1108.0	

MAPID: 02500707000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 4N 8E SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: CLAY CITY LONGITUDE: -88.266025 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.73754 DATE COLLECTED:

SURFACE ELEVATION (FT.): 428.0 LOGGED (FT.): 1085.0 LOG TYPE: Electric Log

SOURCE: CALVERT DRILLING, INC. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-210.0	BOND	CARTHAGE	LIMESTONE	-	638.0	
-599.0	CARBONDALE	HERRIN	COAL	-	1027.0	
-653.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1081.0	ROOF: 2ST.D

MAPID: 02501378000C VERSION: 1

PROJECT: CGT-SCILL

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

QUADRANGLE: HORD LONGITUDE: -88.595066 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.905459 DATE COLLECTED:

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 956.0 LOG TYPE: Electric Log

SOURCE: HOPKINS, DALE WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-104.0	BOND	CARTHAGE	LIMESTONE	-	593.0	
-419.0	CARBONDALE	HERRIN	COAL	-	908.0	
-463.0	CARBONDALE	SPRINGFIELD	COAL	4.0	952.0	ROOF: 3ST.D

MAPID: 02500440000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 2 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: HORD LONGITUDE: -88.616245 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.901461 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 5350.0 LOG TYPE:

SOURCE: TEXAS CO, SPURLIN G 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	-	582.0	
-225.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	760.0	
-365.0	CARBONDALE	HERRIN	COAL	-	900.0	
-399.0	CARBONDALE	SPRINGFIELD	COAL	3.0	934.0	
-1059.0	BASE OF PENN.		UNCLASSIFIED	-	1594.0	

MAPID: 02500440000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: HORD **LONGITUDE:** -88.616245 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.901461 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 2161.0 **LOG TYPE:**
SOURCE: TEXAS CO, SPURLIN G 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	-	582.0	
-365.0	CARBONDALE	HERRIN	COAL	-	900.0	

MAPID: 02500440000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: HORD **LONGITUDE:** -88.616245 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.901461 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 940.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	-	582.0	
-359.0	CARBONDALE	HERRIN	COAL	-	894.0	
-401.0	CARBONDALE	SPRINGFIELD	COAL	4.0	936.0	ROOF: 2ST.D

MAPID: 02500537000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616081 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.910703 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 2466.0 **LOG TYPE:**
SOURCE: CALLAHAN J, KINSEL 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	-	581.0	
-362.0	CARBONDALE	HERRIN	COAL	-	901.0	COAL ERODED OR ABSENT

MAPID: 02500538000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** NW NE SW
QUADRANGLE: HORD **LONGITUDE:** -88.611483 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.907032 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 538.0 **LOGGED (FT.):** 2578.0 **LOG TYPE:**
SOURCE: TEXAS CO, PRATHER C 1B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-56.0	BOND	CARTHAGE	LIMESTONE	-	594.0	
-376.0	CARBONDALE	HERRIN	COAL	-	914.0	COAL ERODED OR ABSENT

MAPID: 02500539000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: HORD **LONGITUDE:** -88.611599 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.901484 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2152.0 **LOG TYPE:**
SOURCE: DORAN PAUL, REED E 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-50.0	BOND	CARTHAGE	LIMESTONE	-	577.0	
-373.0	CARBONDALE	HERRIN	COAL	-	900.0	COAL ERODED OR ABSENT

MAPID: 02500029000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 3 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.618501 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.906992 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 5400.0 **LOG TYPE:**
SOURCE: TEXAS CO, WRIGHT V 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-38.0	BOND	CARTHAGE	LIMESTONE	-	578.0	
-200.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	740.0	
-350.0	CARBONDALE	HERRIN	COAL	-	890.0	
-390.0	CARBONDALE	SPRINGFIELD	COAL	2.0	930.0	
-1072.0	BASE OF PENN.		UNCLASSIFIED	-	1612.0	

MAPID: 02500029000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 3 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.618501 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.906992 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 2544.0 **LOG TYPE:**
SOURCE: TEXAS CO, WRIGHT V 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	578.0
-350.0	CARBONDALE	HERRIN	COAL	-	890.0

MAPID: 02500130000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.625467 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.914319 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 5480.0 **LOG TYPE:**
SOURCE: LUTTRELL H, NORBUT J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-26.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-198.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	746.0
-338.0	CARBONDALE	HERRIN	COAL	-	886.0
-376.0	CARBONDALE	SPRINGFIELD	COAL	-	924.0
-1067.0	BASE OF PENN.		UNCLASSIFIED	-	1615.0

MAPID: 02500130000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.625467 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.914319 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 2553.0 **LOG TYPE:**
SOURCE: LUTTRELL H, NORBUT J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-26.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-338.0	CARBONDALE	HERRIN	COAL	-	886.0

MAPID: 02501438000C VERSION: 1

PROJECT: CGT-SCILL

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

QUADRANGLE: HORD LONGITUDE: -88.620945 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.905116 DATE COLLECTED:

SURFACE ELEVATION (FT.): 541.0 LOGGED (FT.): 939.0 LOG TYPE: Electric Log

SOURCE: TEXACO, INC. WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-41.0	BOND	CARTHAGE	LIMESTONE	-	582.0	
-349.0	CARBONDALE	HERRIN	COAL	-	890.0	
-395.0	CARBONDALE	SPRINGFIELD	COAL	3.0	936.0	ROOF: 2ST.D

MAPID: 02501380000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 990' E line of SE NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.649137 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.910409 DATE COLLECTED:

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 960.0 LOG TYPE: Electric Log

SOURCE: PARTLOW & COCHONOUR WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-48.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-358.0	CARBONDALE	HERRIN	COAL	-	918.0	
-397.0	CARBONDALE	SPRINGFIELD	COAL	3.0	957.0	ROOF: 4ST.D

MAPID: 02500012000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 5 QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.65858 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.910312 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 566.0 LOGGED (FT.): 5660.0 LOG TYPE:

SOURCE: KINGWOODOC, DANKS M B 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-44.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-227.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	793.0	
-361.0	CARBONDALE	HERRIN	COAL	-	927.0	
-399.0	CARBONDALE	SPRINGFIELD	COAL	2.5	965.0	
-1254.0	BASE OF PENN.		UNCLASSIFIED	-	1820.0	

MAPID: 02500012000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 5 QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.65858 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.910312 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 566.0 LOGGED (FT.): 2723.0 LOG TYPE:

SOURCE: KINGWOODOC, DANKS M B 0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-44.0	BOND	CARTHAGE	LIMESTONE	-	610.0
-361.0	CARBONDALE	HERRIN	COAL	-	927.0

MAPID: 02503657000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 5 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.663258 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.912121 DATE COLLECTED:

SURFACE ELEVATION (FT.): 571.0 LOGGED (FT.): 962.0 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
-39.0	BOND	CARTHAGE	LIMESTONE	-	610.0
-345.0	CARBONDALE	HERRIN	COAL	-	916.0
-387.0	CARBONDALE	SPRINGFIELD	COAL	4.0	958.0

MAPID: 02501047000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.677864 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.901066 DATE COLLECTED:

SURFACE ELEVATION (FT.): 573.0 LOGGED (FT.): 936.0 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
-27.0	BOND	CARTHAGE	LIMESTONE	-	600.0
-317.0	CARBONDALE	HERRIN	COAL	-	890.0
-361.0	CARBONDALE	SPRINGFIELD	COAL	2.0	934.0

MAPID: 02501381000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.685257 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.893791 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 567.0 **LOGGED (FT.):** 931.0 **LOG TYPE:** Electric Log
SOURCE: BROWN, JAMES G. CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-41.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-323.0	CARBONDALE	HERRIN	COAL	-	890.0	
-362.0	CARBONDALE	SPRINGFIELD	COAL	2.0	929.0	

MAPID: 02500540000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 8 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.663741 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.888265 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 557.0 **LOGGED (FT.):** 2489.0 **LOG TYPE:**
SOURCE: NAT ASSOC, MUZIJUSKI 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-41.0	BOND	CARTHAGE	LIMESTONE	-	598.0	
-348.0	CARBONDALE	HERRIN	COAL	-	905.0	COAL ERODED OR ABSENT

MAPID: 02504626000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 8 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NE NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.656478 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.89925 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 930.0 **LOG TYPE:** Electric Log
SOURCE: GALLAGHER, VICTOR R. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	-	574.0	
-353.0	CARBONDALE	HERRIN	COAL	-	880.0	
-400.0	CARBONDALE	SPRINGFIELD	COAL	3.0	927.0	ROOF: 3'ST.D

MAPID: 02501382000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 9 QUARTERS/FOOTAGES: 930' S line, 330' E line of SW SW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.651993 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.888166 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 548.0 LOGGED (FT.): 965.0 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
-68.0	BOND	CARTHAGE	LIMESTONE	-	616.0
-368.0	CARBONDALE	HERRIN	COAL	-	916.0
-414.0	CARBONDALE	SPRINGFIELD	COAL	3.0	962.0

MAPID: 02500043000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 10 QUARTERS/FOOTAGES: SE SE NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.628381 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.894038 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 5400.0 LOG TYPE:
 SOURCE: TEXAS CO, RUSH I J 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-52.0	BOND	CARTHAGE	LIMESTONE	-	592.0
-220.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	760.0
-364.0	CARBONDALE	HERRIN	COAL	-	904.0
-402.0	CARBONDALE	SPRINGFIELD	COAL	-	942.0
-1084.0	BASE OF PENN.		UNCLASSIFIED	-	1624.0

MAPID: 02500043000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 10 QUARTERS/FOOTAGES: SE SE NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.628381 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.894038 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 2586.0 LOG TYPE:
 SOURCE: TEXAS CO, RUSH I J 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-52.0	BOND	CARTHAGE	LIMESTONE	-	592.0
-364.0	CARBONDALE	HERRIN	COAL	-	904.0

MAPID: 02500079000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 10 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.626252 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.886697 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 5360.0 LOG TYPE:

SOURCE: GULF REF, EDG ST STE 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	BOND	CARTHAGE	LIMESTONE	-	582.0
-361.0	CARBONDALE	HERRIN	COAL	-	897.0
-402.0	CARBONDALE	SPRINGFIELD	COAL	-	938.0
-1070.0	BASE OF PENN.		UNCLASSIFIED	-	1606.0

MAPID: 02500079000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 10 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.626252 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.886697 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 2511.0 LOG TYPE:

SOURCE: GULF REF, EDG ST STE 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	BOND	CARTHAGE	LIMESTONE	-	582.0
-361.0	CARBONDALE	HERRIN	COAL	-	897.0

MAPID: 02500079000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 10 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.626252 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.886697 DATE COLLECTED:

SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 941.0 LOG TYPE: Electric Log

SOURCE: GULF REFINING CO. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-47.0	BOND	CARTHAGE	LIMESTONE	-	583.0
-362.0	CARBONDALE	HERRIN	COAL	-	898.0
-402.0	CARBONDALE	SPRINGFIELD	COAL	3.0	938.0

MAPID: 02500080000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 10

QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.630947

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.886683

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 533.0

LOGGED (FT.): 5330.0

LOG TYPE:

SOURCE: TEXAS CO, HIN&ELK CM 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-37.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-344.0	CARBONDALE	HERRIN	COAL	-	877.0
-382.0	CARBONDALE	SPRINGFIELD	COAL	-	915.0
-1071.0	BASE OF PENN.		UNCLASSIFIED	-	1604.0

MAPID: 02500080000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 10

QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.630947

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.886683

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 533.0

LOGGED (FT.): 2375.0

LOG TYPE:

SOURCE: TEXAS CO, HIN&ELK CM 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-37.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-344.0	CARBONDALE	HERRIN	COAL	-	877.0

MAPID: 02500379000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 10

QUARTERS/FOOTAGES: SW SE SE

QUADRANGLE: HORD

LONGITUDE: -88.621554

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.886712

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 5320.0

LOG TYPE:

SOURCE: COOP REF, ROSEBRUGH 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-156.0	BOND	CARTHAGE	LIMESTONE	-	688.0
-368.0	CARBONDALE	HERRIN	COAL	-	900.0
-409.0	CARBONDALE	SPRINGFIELD	COAL	-	941.0
-1078.0	BASE OF PENN.		UNCLASSIFIED	-	1610.0

MAPID: 02500379000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: HORD **LONGITUDE:** -88.621554 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.886712 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 2473.0 **LOG TYPE:**
SOURCE: COOP REF, ROSEBRUGH 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-56.0	BOND	CARTHAGE	LIMESTONE	-	588.0
-368.0	CARBONDALE	HERRIN	COAL	-	900.0

MAPID: 02500441000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.621117 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.897752 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 538.0 **LOGGED (FT.):** 5380.0 **LOG TYPE:**
SOURCE: TEXAS CO, CRUSE J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-45.0	BOND	CARTHAGE	LIMESTONE	-	583.0
-226.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	764.0
-365.0	CARBONDALE	HERRIN	COAL	1.0	903.0
-404.0	CARBONDALE	SPRINGFIELD	COAL	2.0	942.0
-1042.0	BASE OF PENN.		UNCLASSIFIED	-	1580.0

MAPID: 02500441000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.621117 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.897752 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 538.0 **LOGGED (FT.):** 2163.0 **LOG TYPE:**
SOURCE: TEXAS CO, CRUSE J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-45.0	BOND	CARTHAGE	LIMESTONE	-	583.0
-365.0	CARBONDALE	HERRIN	COAL	1.0	903.0

MAPID: 02500442000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.62119 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.895911 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: TEXAS CO, ROSE J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-53.0	BOND	CARTHAGE	LIMESTONE	-	586.0
-232.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	765.0
-364.0	CARBONDALE	HERRIN	COAL	-	897.0
-402.0	CARBONDALE	SPRINGFIELD	COAL	3.0	935.0
-1061.0	BASE OF PENN.		UNCLASSIFIED	-	1594.0

MAPID: 02500442000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.62119 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.895911 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 2559.0 **LOG TYPE:**
SOURCE: TEXAS CO, ROSE J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-53.0	BOND	CARTHAGE	LIMESTONE	-	586.0
-364.0	CARBONDALE	HERRIN	COAL	-	897.0

MAPID: 02500423000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: HORD **LONGITUDE:** -88.616856 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.886729 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 5240.0 **LOG TYPE:**
SOURCE: JABLNSKI F, BURGE ALMA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-51.0	BOND	CARTHAGE	LIMESTONE	-	575.0
-364.0	CARBONDALE	HERRIN	COAL	-	888.0
-400.0	CARBONDALE	SPRINGFIELD	COAL	3.0	924.0
-1086.0	BASE OF PENN.		UNCLASSIFIED	-	1610.0

MAPID: 02500423000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: HORD **LONGITUDE:** -88.616856 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.886729 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 2379.0 **LOG TYPE:**
SOURCE: JABLNSKI F, BURGE ALMA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-51.0	BOND	CARTHAGE	LIMESTONE	-	575.0	
-364.0	CARBONDALE	HERRIN	COAL	-	888.0	

MAPID: 02500541000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.616618 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.892254 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 2163.0 **LOG TYPE:**
SOURCE: TIDE WATER, CHAPMAN H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-46.0	BOND	CARTHAGE	LIMESTONE	-	576.0	
-358.0	CARBONDALE	HERRIN	COAL	-	888.0	COAL ERODED OR ABSENT

MAPID: 02503680000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.614207 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.894096 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 507.0 **LOGGED (FT.):** 915.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-62.0	BOND	CARTHAGE	LIMESTONE	-	569.0	
-360.0	CARBONDALE	HERRIN	COAL	-	867.0	
-404.0	CARBONDALE	SPRINGFIELD	COAL	4.0	911.0	ROOF: 2ST.D

MAPID: 02500675000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SW
QUADRANGLE: HORD **LONGITUDE:** -88.59808 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.887098 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 484.0 **LOGGED (FT.):** 907.0 **LOG TYPE:** Electric Log
SOURCE: RICHEY ANCIL A **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-66.0	BOND	CARTHAGE	LIMESTONE	-	550.0
-379.0	CARBONDALE	HERRIN	COAL	-	863.0
-419.0	CARBONDALE	SPRINGFIELD	COAL	4.0	903.0

MAPID: 02500100000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: HORD **LONGITUDE:** -88.586465 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879697 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 5200.0 **LOG TYPE:**
SOURCE: WAGGONER L, GEN AM INS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-368.0	CARBONDALE	HERRIN	COAL	-	888.0
-408.0	CARBONDALE	SPRINGFIELD	COAL	1.5	928.0
-1300.0	BASE OF PENN.		UNCLASSIFIED	-	1820.0

MAPID: 02500100000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: HORD **LONGITUDE:** -88.586465 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879697 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 2534.0 **LOG TYPE:**
SOURCE: WAGGONER L, GEN AM INS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-368.0	CARBONDALE	HERRIN	COAL	-	888.0

MAPID: 02500101000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.59595 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875983 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 4780.0 **LOG TYPE:**
SOURCE: GULF REF, PILCHER J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-54.0	BOND	CARTHAGE	LIMESTONE	-	532.0
-382.0	CARBONDALE	HERRIN	COAL	-	860.0
-421.0	CARBONDALE	SPRINGFIELD	COAL	-	899.0
-1222.0	BASE OF PENN.		UNCLASSIFIED	-	1700.0

MAPID: 02500101000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.59595 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.875983 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 2421.0 **LOG TYPE:**
SOURCE: GULF REF, PILCHER J 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-54.0	BOND	CARTHAGE	LIMESTONE	-	532.0
-382.0	CARBONDALE	HERRIN	COAL	-	860.0

MAPID: 02500127000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.598152 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.883405 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 5170.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, PILCHER JR0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-57.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-375.0	CARBONDALE	HERRIN	COAL	-	892.0
-416.0	CARBONDALE	SPRINGFIELD	COAL	-	933.0
-1103.0	BASE OF PENN.		UNCLASSIFIED	-	1620.0

MAPID: 02500127000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.598152 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.883405 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 2457.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, PILCHER JR0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-57.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-375.0	CARBONDALE	HERRIN	COAL	-	892.0

MAPID: 02500129000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.595875 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879696 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: WAGGONER L, PILCHER JR **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-47.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-247.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	776.0
-376.0	CARBONDALE	HERRIN	COAL	-	905.0
-414.0	CARBONDALE	SPRINGFIELD	COAL	2.0	943.0
-1151.0	BASE OF PENN.		UNCLASSIFIED	-	1680.0

MAPID: 02500129000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.595875 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879696 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2457.0 **LOG TYPE:**
SOURCE: WAGGONER L, PILCHER JR0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-47.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-376.0	CARBONDALE	HERRIN	COAL	-	905.0

MAPID: 02500275000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: HORD **LONGITUDE:** -88.591087 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.883416 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 5260.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, FENDER E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-58.0	BOND	CARTHAGE	LIMESTONE	-	584.0
-374.0	CARBONDALE	HERRIN	COAL	1.5	900.0
-411.0	CARBONDALE	SPRINGFIELD	COAL	-	937.0
-1106.0	BASE OF PENN.		UNCLASSIFIED	-	1632.0

MAPID: 02500275000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: HORD **LONGITUDE:** -88.591087 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.883416 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 2475.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, FENDER E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-58.0	BOND	CARTHAGE	LIMESTONE	-	584.0
-374.0	CARBONDALE	HERRIN	COAL	1.5	900.0

MAPID: 02500598000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE
QUADRANGLE: HORD **LONGITUDE:** -88.581799 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.877854 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 467.0 **LOGGED (FT.):** 875.0 **LOG TYPE:** Electric Log
SOURCE: RICHEY ANCIL A **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-44.0	BOND	CARTHAGE	LIMESTONE	-	511.0
-364.0	CARBONDALE	HERRIN	COAL	-	831.0
-403.0	CARBONDALE	SPRINGFIELD	COAL	5.0	870.0

MAPID: 02500057000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616929 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.88309 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 534.0 **LOGGED (FT.):** 5340.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, REED HEIRS0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-359.0	CARBONDALE	HERRIN	COAL	-	893.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	-	932.0
-1066.0	BASE OF PENN.		UNCLASSIFIED	-	1600.0

MAPID: 02500057000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616929 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.88309 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 534.0 **LOGGED (FT.):** 2146.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, REED HEIRS 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-359.0	CARBONDALE	HERRIN	COAL	-	893.0

MAPID: 02500058000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: HORD **LONGITUDE:** -88.609945 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879489 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, REED HEIRS0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-370.0	CARBONDALE	HERRIN	COAL	-	902.0
-408.0	CARBONDALE	SPRINGFIELD	COAL	-	940.0
-1068.0	BASE OF PENN.		UNCLASSIFIED	-	1600.0

MAPID: 02500058000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: HORD **LONGITUDE:** -88.609945 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879489 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 2148.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, REED HEIRS0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-370.0	CARBONDALE	HERRIN	COAL	-	902.0

MAPID: 02500068000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616907 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.884901 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 5360.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, REED HEIRS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	586.0
-366.0	CARBONDALE	HERRIN	COAL	-	902.0
-404.0	CARBONDALE	SPRINGFIELD	COAL	-	940.0
-1074.0	BASE OF PENN.		UNCLASSIFIED	-	1610.0

MAPID: 02500068000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616907 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.884901 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 2370.0 **LOG TYPE:**
SOURCE: CENTRLPIPE, REED HEIRS0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	586.0
-366.0	CARBONDALE	HERRIN	COAL	-	902.0

MAPID: 02500077000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616952 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.881277 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 5350.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0009 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	566.0
-235.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	770.0
-355.0	CARBONDALE	HERRIN	COAL	-	890.0
-393.0	CARBONDALE	SPRINGFIELD	COAL	-	928.0
-1057.0	BASE OF PENN.		UNCLASSIFIED	-	1592.0

MAPID: 02500077000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616952 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.881277 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 2366.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0009 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	566.0
-355.0	CARBONDALE	HERRIN	COAL	-	890.0

MAPID: 02500081000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616975 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879466 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0010 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	565.0
-362.0	CARBONDALE	HERRIN	COAL	-	894.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	-	930.0
-1056.0	BASE OF PENN.		UNCLASSIFIED	-	1588.0

MAPID: 02500081000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.616975 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879466 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 2302.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0010 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	565.0
-362.0	CARBONDALE	HERRIN	COAL	-	894.0

MAPID: 02500082000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.614629 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879473 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0013 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-40.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-242.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	774.0
-358.0	CARBONDALE	HERRIN	COAL	-	890.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	-	930.0
-1060.0	BASE OF PENN.		UNCLASSIFIED	-	1592.0

MAPID: 02500082000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.614629 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879473 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 2472.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0013 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-40.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-358.0	CARBONDALE	HERRIN	COAL	-	890.0

MAPID: 02500094000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.614607 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.881286 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 5240.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0011 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-254.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	778.0
-368.0	CARBONDALE	HERRIN	COAL	-	892.0
-404.0	CARBONDALE	SPRINGFIELD	COAL	-	928.0
-1066.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0

MAPID: 02500094000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.614607 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.881286 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 2387.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0011 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-368.0	CARBONDALE	HERRIN	COAL	-	892.0

MAPID: 02500095000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.614629 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879473 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0012 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-251.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	781.0
-358.0	CARBONDALE	HERRIN	COAL	-	888.0
-400.0	CARBONDALE	SPRINGFIELD	COAL	-	930.0
-1060.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0

MAPID: 02500095000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.614629 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879473 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 2381.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0012 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-358.0	CARBONDALE	HERRIN	COAL	-	888.0

MAPID: 02500098000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.600507 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.883158 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 5190.0 **LOG TYPE:**
SOURCE: KINGWOODOC, DANKS MAUD 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-64.0	BOND	CARTHAGE	LIMESTONE	-	583.0
-387.0	CARBONDALE	HERRIN	COAL	2.5	906.0
-427.0	CARBONDALE	SPRINGFIELD	COAL	-	946.0
-1095.0	BASE OF PENN.		UNCLASSIFIED	-	1614.0

MAPID: 02500098000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.600507 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.883158 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 2508.0 **LOG TYPE:**
SOURCE: KINGWOODOC, DANKS M B 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-64.0	BOND	CARTHAGE	LIMESTONE	-	583.0
-387.0	CARBONDALE	HERRIN	COAL	2.5	906.0

MAPID: 02500121000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.617039 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.874027 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 5240.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	556.0
-246.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	770.0
-354.0	CARBONDALE	HERRIN	COAL	-	878.0
-390.0	CARBONDALE	SPRINGFIELD	COAL	2.0	914.0
-1070.0	BASE OF PENN.		UNCLASSIFIED	-	1594.0

MAPID: 02500121000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.617039 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.874027 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 2349.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	556.0
-354.0	CARBONDALE	HERRIN	COAL	-	878.0

MAPID: 02500121000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.617039 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.874027 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 918.0 **LOG TYPE:** Electric Log
SOURCE: SHELL OIL COMPANY **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-391.0	CARBONDALE	SPRINGFIELD	COAL	3.0	915.0

MAPID: 02500121000C **VERSION:** 4 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.617039 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.874027 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2349.0 **LOG TYPE:** Survey Sample Study
SOURCE: SHELL 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: 02500124000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.614704 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.874034 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 516.0 **LOGGED (FT.):** 5160.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-32.0	BOND	CARTHAGE	LIMESTONE	-	548.0	
-360.0	CARBONDALE	HERRIN	COAL	-	876.0	
-400.0	CARBONDALE	SPRINGFIELD	COAL	-	916.0	
-1074.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0	

MAPID: 02500124000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.614704 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.874034 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 516.0 **LOGGED (FT.):** 2341.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-32.0	BOND	CARTHAGE	LIMESTONE	-	548.0	
-360.0	CARBONDALE	HERRIN	COAL	-	876.0	

MAPID: 02500125000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.616994 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877652 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-29.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-231.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	764.0
-350.0	CARBONDALE	HERRIN	COAL	-	883.0
-387.0	CARBONDALE	SPRINGFIELD	COAL	-	920.0
-1059.0	BASE OF PENN.		UNCLASSIFIED	-	1592.0

MAPID: 02500125000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.616994 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.877652 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 2356.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-29.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-350.0	CARBONDALE	HERRIN	COAL	-	883.0

MAPID: 02500126000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.600541 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.881341 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 4800.0 **LOG TYPE:**
SOURCE: CARTER OC, HARPER L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-66.0	BOND	CARTHAGE	LIMESTONE	-	546.0
-396.0	CARBONDALE	HERRIN	COAL	-	876.0
-430.0	CARBONDALE	SPRINGFIELD	COAL	-	910.0
-1091.0	BASE OF PENN.		UNCLASSIFIED	-	1571.0

MAPID: 02500126000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.600541 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.881341 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 480.0 **LOGGED (FT.):** 2553.0 **LOG TYPE:**
SOURCE: CARTER OC, HARPER L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-66.0	BOND	CARTHAGE	LIMESTONE	-	546.0
-396.0	CARBONDALE	HERRIN	COAL	-	876.0

MAPID: 02500128000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.614655 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877662 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-34.0	BOND	CARTHAGE	LIMESTONE	-	565.0
-241.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	772.0
-360.0	CARBONDALE	HERRIN	COAL	-	891.0
-395.0	CARBONDALE	SPRINGFIELD	COAL	-	926.0
-1061.0	BASE OF PENN.		UNCLASSIFIED	-	1592.0

MAPID: 02500128000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.614655 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.877662 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 2356.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-34.0	BOND	CARTHAGE	LIMESTONE	-	565.0
-360.0	CARBONDALE	HERRIN	COAL	-	891.0

MAPID: 02500276000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.614678 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875848 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 5210.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	554.0
-361.0	CARBONDALE	HERRIN	COAL	-	882.0
-403.0	CARBONDALE	SPRINGFIELD	COAL	2.0	924.0
-1069.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0

MAPID: 02500276000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.614678 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.875848 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 2346.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	554.0
-361.0	CARBONDALE	HERRIN	COAL	-	882.0

MAPID: 02500364000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.612366 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.874041 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, WOOLRGE F 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-245.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	775.0
-376.0	CARBONDALE	HERRIN	COAL	-	906.0
-415.0	CARBONDALE	SPRINGFIELD	COAL	-	945.0
-1076.0	BASE OF PENN.		UNCLASSIFIED	-	1606.0

MAPID: 02500364000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 14 QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.612366 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.874041 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 2363.0 LOG TYPE:

SOURCE: TEXAS CO, WOOLRGE F 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-46.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-376.0	CARBONDALE	HERRIN	COAL	-	906.0

MAPID: 02500375000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 14 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: HORD LONGITUDE: -88.609975 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.877676 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 5280.0 LOG TYPE:

SOURCE: TEXAS CO, RODGERS A 0002 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-40.0	BOND	CARTHAGE	LIMESTONE	-	568.0
-252.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	780.0
-371.0	CARBONDALE	HERRIN	COAL	-	899.0
-410.0	CARBONDALE	SPRINGFIELD	COAL	-	938.0
-1082.0	BASE OF PENN.		UNCLASSIFIED	-	1610.0

MAPID: 02500375000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 14 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: HORD LONGITUDE: -88.609975 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.877676 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 2358.0 LOG TYPE:

SOURCE: TEXAS CO, RODGERS A 0002 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-40.0	BOND	CARTHAGE	LIMESTONE	-	568.0
-371.0	CARBONDALE	HERRIN	COAL	-	899.0

MAPID: 02500424000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.617016 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875841 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS ETAL 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-249.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	780.0
-355.0	CARBONDALE	HERRIN	COAL	-	886.0
-391.0	CARBONDALE	SPRINGFIELD	COAL	-	922.0
-1059.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0

MAPID: 02500424000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.617016 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.875841 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 2356.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS ETAL 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-355.0	CARBONDALE	HERRIN	COAL	-	886.0

MAPID: 02500425000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: HORD **LONGITUDE:** -88.605325 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875876 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 5260.0 **LOG TYPE:**
SOURCE: TEXAS CO, WADE C T 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-386.0	CARBONDALE	HERRIN	COAL	-	912.0
-424.0	CARBONDALE	SPRINGFIELD	COAL	-	950.0
-1128.0	BASE OF PENN.		UNCLASSIFIED	-	1654.0

MAPID: 02500425000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: HORD **LONGITUDE:** -88.605325 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.875876 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 2585.0 **LOG TYPE:**
SOURCE: TEXAS CO, WADE C T 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-386.0	CARBONDALE	HERRIN	COAL	-	912.0

MAPID: 02500425000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: HORD **LONGITUDE:** -88.605325 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.875876 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 956.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-50.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-378.0	CARBONDALE	HERRIN	COAL	-	904.0
-426.0	CARBONDALE	SPRINGFIELD	COAL	4.0	952.0

MAPID: 02500426000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NE SW
QUADRANGLE: HORD **LONGITUDE:** -88.61234 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875855 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: TEXAS CO **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-370.0	CARBONDALE	HERRIN	COAL	-	899.0
-411.0	CARBONDALE	SPRINGFIELD	COAL	-	940.0
-1075.0	BASE OF PENN.		UNCLASSIFIED	-	1604.0

MAPID: 02500426000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NE SW
QUADRANGLE: HORD **LONGITUDE:** -88.61234 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.875855 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2360.0 **LOG TYPE:**
SOURCE: TEXAS CO, RODGERS A 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-41.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-370.0	CARBONDALE	HERRIN	COAL	-	899.0

MAPID: 02500496000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.602987 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875883 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: TEXAS CO, WADE C T 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-55.0	BOND	CARTHAGE	LIMESTONE	-	582.0
-393.0	CARBONDALE	HERRIN	COAL	-	920.0
-433.0	CARBONDALE	SPRINGFIELD	COAL	-	960.0
-1199.0	BASE OF PENN.		UNCLASSIFIED	-	1726.0

MAPID: 02500496000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.602987 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.875883 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2466.0 **LOG TYPE:**
SOURCE: TEXAS CO, WADE C T 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-55.0	BOND	CARTHAGE	LIMESTONE	-	582.0
-393.0	CARBONDALE	HERRIN	COAL	-	920.0

MAPID: 02500497000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: HORD **LONGITUDE:** -88.609919 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.881306 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS H E 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-43.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-243.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	772.0
-377.0	CARBONDALE	HERRIN	COAL	-	906.0
-413.0	CARBONDALE	SPRINGFIELD	COAL	-	942.0
-1066.0	BASE OF PENN.		UNCLASSIFIED	-	1595.0

MAPID: 02500497000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: HORD **LONGITUDE:** -88.609919 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.881306 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2360.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS H E 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-43.0	BOND	CARTHAGE	LIMESTONE	-	572.0
-377.0	CARBONDALE	HERRIN	COAL	-	906.0

MAPID: 02500034000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.626408 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875799 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 5240.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-30.0	BOND	CARTHAGE	LIMESTONE	-	554.0
-339.0	CARBONDALE	HERRIN	COAL	-	863.0
-380.0	CARBONDALE	SPRINGFIELD	COAL	1.5	904.0
-1028.0	BASE OF PENN.		UNCLASSIFIED	-	1552.0

MAPID: 02500034000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.626408

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.875799

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 524.0 LOGGED (FT.): 2287.0

LOG TYPE:

SOURCE: LUTTRELL H, REED HEIRS0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-30.0	BOND	CARTHAGE	LIMESTONE	-	554.0
-339.0	CARBONDALE	HERRIN	COAL	-	863.0

MAPID: 02500036000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: HORD LONGITUDE: -88.624059

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.875809

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 5310.0

LOG TYPE:

SOURCE: LUTTRELL H, REED HEIRS0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	569.0
-348.0	CARBONDALE	HERRIN	COAL	-	879.0
-391.0	CARBONDALE	SPRINGFIELD	COAL	2.0	922.0
-1034.0	BASE OF PENN.		UNCLASSIFIED	-	1565.0

MAPID: 02500036000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: HORD LONGITUDE: -88.624059

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.875809

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 2311.0

LOG TYPE:

SOURCE: LUTTRELL H, REED HEIRS0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	569.0
-348.0	CARBONDALE	HERRIN	COAL	-	879.0

MAPID: 02500038000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.626293 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.88487 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-41.0	BOND	CARTHAGE	LIMESTONE	-	571.0
-356.0	CARBONDALE	HERRIN	COAL	-	886.0
-394.0	CARBONDALE	SPRINGFIELD	COAL	2.0	924.0
-1032.0	BASE OF PENN.		UNCLASSIFIED	-	1562.0

MAPID: 02500038000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.626293 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.88487 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 2305.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-41.0	BOND	CARTHAGE	LIMESTONE	-	571.0
-356.0	CARBONDALE	HERRIN	COAL	-	886.0

MAPID: 02500039000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.621602 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.884887 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-44.0	BOND	CARTHAGE	LIMESTONE	-	575.0
-245.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	776.0
-359.0	CARBONDALE	HERRIN	COAL	-	890.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	2.0	929.0
-1039.0	BASE OF PENN.		UNCLASSIFIED	-	1570.0

MAPID: 02500039000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.621602 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.884887 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 2155.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-44.0	BOND	CARTHAGE	LIMESTONE	-	575.0
-359.0	CARBONDALE	HERRIN	COAL	-	890.0

MAPID: 02500040000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.628664 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.883049 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: TEXAS CO, KIDWELL A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-23.0	BOND	CARTHAGE	LIMESTONE	-	555.0
-341.0	CARBONDALE	HERRIN	COAL	-	873.0
-381.0	CARBONDALE	SPRINGFIELD	COAL	-	913.0
-1028.0	BASE OF PENN.		UNCLASSIFIED	-	1560.0

MAPID: 02500040000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.628664 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.883049 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 2488.0 **LOG TYPE:**
SOURCE: TEXAS CO, KIDWELL A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-23.0	BOND	CARTHAGE	LIMESTONE	-	555.0
-341.0	CARBONDALE	HERRIN	COAL	-	873.0

MAPID: 02500041000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.628638

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.884863

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 5320.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	564.0
-350.0	CARBONDALE	HERRIN	COAL	-	882.0
-384.0	CARBONDALE	SPRINGFIELD	COAL	4.0	916.0
-1018.0	BASE OF PENN.		UNCLASSIFIED	-	1550.0

MAPID: 02500041000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.628638

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.884863

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 2314.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	564.0
-350.0	CARBONDALE	HERRIN	COAL	-	882.0

MAPID: 02500045000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.631057

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.879409

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 531.0

LOGGED (FT.): 5310.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0006

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	564.0
-352.0	CARBONDALE	HERRIN	COAL	-	883.0
-387.0	CARBONDALE	SPRINGFIELD	COAL	3.0	918.0
-1027.0	BASE OF PENN.		UNCLASSIFIED	-	1558.0

MAPID: 02500045000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.631057 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.879409 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 2361.0 LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0006 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	564.0
-352.0	CARBONDALE	HERRIN	COAL	-	883.0

MAPID: 02500046000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SE NW NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.633355 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.883032 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 5210.0 LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0009 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	560.0
-355.0	CARBONDALE	HERRIN	COAL	-	876.0
-393.0	CARBONDALE	SPRINGFIELD	COAL	4.0	914.0
-1031.0	BASE OF PENN.		UNCLASSIFIED	-	1552.0

MAPID: 02500046000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SE NW NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.633355 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.883032 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 2351.0 LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0009 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	560.0
-355.0	CARBONDALE	HERRIN	COAL	-	876.0

MAPID: 02500047000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619275 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.883081 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS 8 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-37.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-240.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	773.0
-348.0	CARBONDALE	HERRIN	COAL	-	881.0
-386.0	CARBONDALE	SPRINGFIELD	COAL	2.0	919.0
-1033.0	BASE OF PENN.		UNCLASSIFIED	-	1566.0

MAPID: 02500047000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619275 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.883081 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 2148.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0008 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-37.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-348.0	CARBONDALE	HERRIN	COAL	-	881.0

MAPID: 02500048000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.626337 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.881243 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-30.0	BOND	CARTHAGE	LIMESTONE	-	559.0
-337.0	CARBONDALE	HERRIN	COAL	-	866.0
-375.0	CARBONDALE	SPRINGFIELD	COAL	3.0	904.0
-981.0	BASE OF PENN.		UNCLASSIFIED	-	1510.0

MAPID: 02500048000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.626337 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.881243 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 2354.0 LOG TYPE:

SOURCE: TIDE WATER, DAVIS CORA 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-30.0	BOND	CARTHAGE	LIMESTONE	-	559.0
-337.0	CARBONDALE	HERRIN	COAL	-	866.0

MAPID: 02500049000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: HORD LONGITUDE: -88.623992 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.88125 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 5350.0 LOG TYPE:

SOURCE: TIDE WATER, DAVIS CORA 2 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-343.0	CARBONDALE	HERRIN	COAL	-	878.0
-381.0	CARBONDALE	SPRINGFIELD	COAL	-	916.0
-1055.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0

MAPID: 02500049000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: HORD LONGITUDE: -88.623992 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.88125 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 2361.0 LOG TYPE:

SOURCE: TIDE WATER, DAVIS CORA 2 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-343.0	CARBONDALE	HERRIN	COAL	-	878.0

MAPID: 02500050000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SW SW NE
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.626363 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.879426 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 5310.0 LOG TYPE:
 SOURCE: TIDE WATER, DAVIS CORA 3 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	564.0
-338.0	CARBONDALE	HERRIN	COAL	-	869.0
-380.0	CARBONDALE	SPRINGFIELD	COAL	2.0	911.0
-1063.0	BASE OF PENN.		UNCLASSIFIED	-	1594.0

MAPID: 02500050000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SW SW NE
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.626363 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.879426 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 2351.0 LOG TYPE:
 SOURCE: TIDE WATER, DAVIS CORA 3 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	564.0
-338.0	CARBONDALE	HERRIN	COAL	-	869.0

MAPID: 02500051000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: NW SE NE
 QUADRANGLE: HORD LONGITUDE: -88.621643 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.88126 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 5270.0 LOG TYPE:
 SOURCE: TIDE WATER, DAVIS CORA 4 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-36.0	BOND	CARTHAGE	LIMESTONE	-	563.0
-345.0	CARBONDALE	HERRIN	COAL	-	872.0
-381.0	CARBONDALE	SPRINGFIELD	COAL	2.0	908.0
-1043.0	BASE OF PENN.		UNCLASSIFIED	-	1570.0

MAPID: 02500051000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.621643 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.88126 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2337.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-36.0	BOND	CARTHAGE	LIMESTONE	-	563.0
-345.0	CARBONDALE	HERRIN	COAL	-	872.0

MAPID: 02500052000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619297 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.88127 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-25.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-234.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	762.0
-352.0	CARBONDALE	HERRIN	COAL	-	880.0
-388.0	CARBONDALE	SPRINGFIELD	COAL	2.0	916.0
-1032.0	BASE OF PENN.		UNCLASSIFIED	-	1560.0

MAPID: 02500052000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619297 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.88127 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 2335.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 5 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-25.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-352.0	CARBONDALE	HERRIN	COAL	-	880.0

MAPID: 02500053000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.621665 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879446 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 7 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-21.0	BOND	CARTHAGE	LIMESTONE	-	548.0
-350.0	CARBONDALE	HERRIN	COAL	-	877.0
-389.0	CARBONDALE	SPRINGFIELD	COAL	2.0	916.0
-1025.0	BASE OF PENN.		UNCLASSIFIED	-	1552.0

MAPID: 02500053000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.621665 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879446 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2338.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 7 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-21.0	BOND	CARTHAGE	LIMESTONE	-	548.0
-350.0	CARBONDALE	HERRIN	COAL	-	877.0

MAPID: 02500054000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.628734 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877603 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 494.0 **LOGGED (FT.):** 4940.0 **LOG TYPE:**
SOURCE: SHELL&TXAS, LEONRD COM **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	536.0
-352.0	CARBONDALE	HERRIN	COAL	-	846.0
-392.0	CARBONDALE	SPRINGFIELD	COAL	2.0	886.0
-1026.0	BASE OF PENN.		UNCLASSIFIED	-	1520.0

MAPID: 02500054000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.628734

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.877603

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 2372.0

LOG TYPE:

SOURCE: SHELL TXAS, LEONRD COM0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	536.0
-352.0	CARBONDALE	HERRIN	COAL	-	846.0

MAPID: 02500055000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.626385

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.877613

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 5060.0

LOG TYPE:

SOURCE: TEXAS CO, RISSER F 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	538.0
-348.0	CARBONDALE	HERRIN	COAL	-	854.0
-386.0	CARBONDALE	SPRINGFIELD	COAL	3.0	892.0
-1006.0	BASE OF PENN.		UNCLASSIFIED	-	1512.0

MAPID: 02500055000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.626385

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.877613

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 506.0 LOGGED (FT.): 2336.0

LOG TYPE:

SOURCE: TEXAS CO, RISSER F W0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	538.0
-348.0	CARBONDALE	HERRIN	COAL	-	854.0

MAPID: 02500069000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: SW NE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.631009

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.883039

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 501.0

LOGGED (FT.): 5010.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	532.0
-351.0	CARBONDALE	HERRIN	COAL	-	852.0
-386.0	CARBONDALE	SPRINGFIELD	COAL	4.0	887.0
-1029.0	BASE OF PENN.		UNCLASSIFIED	-	1530.0

MAPID: 02500069000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: SW NE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.631009

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.883039

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 501.0

LOGGED (FT.): 2327.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	532.0
-351.0	CARBONDALE	HERRIN	COAL	-	852.0

MAPID: 02500070000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.628686

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.881233

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 528.0

LOGGED (FT.): 5280.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0005

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-21.0	BOND	CARTHAGE	LIMESTONE	-	549.0
-334.0	CARBONDALE	HERRIN	COAL	-	862.0
-379.0	CARBONDALE	SPRINGFIELD	COAL	3.0	907.0
-1017.0	BASE OF PENN.		UNCLASSIFIED	-	1545.0

MAPID: 02500070000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.628686

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.881233

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 528.0

LOGGED (FT.): 2437.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0005

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-21.0	BOND	CARTHAGE	LIMESTONE	-	549.0
-334.0	CARBONDALE	HERRIN	COAL	-	862.0

MAPID: 02500071000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.631032

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.881223

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 512.0

LOGGED (FT.): 5120.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0007

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-28.0	BOND	CARTHAGE	LIMESTONE	-	540.0
-238.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	750.0
-348.0	CARBONDALE	HERRIN	COAL	-	860.0
-388.0	CARBONDALE	SPRINGFIELD	COAL	2.0	900.0
-1026.0	BASE OF PENN.		UNCLASSIFIED	-	1538.0

MAPID: 02500071000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.631032

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.881223

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 512.0

LOGGED (FT.): 2342.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0007

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-28.0	BOND	CARTHAGE	LIMESTONE	-	540.0
-348.0	CARBONDALE	HERRIN	COAL	-	860.0

MAPID: 02500072000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.630984

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.884856

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 5320.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0008

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	567.0
-350.0	CARBONDALE	HERRIN	COAL	-	882.0
-388.0	CARBONDALE	SPRINGFIELD	COAL	3.0	920.0
-1022.0	BASE OF PENN.		UNCLASSIFIED	-	1554.0

MAPID: 02500072000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.630984

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.884856

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 2369.0

LOG TYPE:

SOURCE: TEXAS CO, KIDWELL A 0008

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	567.0
-350.0	CARBONDALE	HERRIN	COAL	-	882.0

MAPID: 02500073000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: HORD

LONGITUDE: -88.619339

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.877645

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 525.0

LOGGED (FT.): 5250.0

LOG TYPE:

SOURCE: CARTER OC, VANGESON R 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-25.0	BOND	CARTHAGE	LIMESTONE	-	550.0
-354.0	CARBONDALE	HERRIN	COAL	-	879.0
-394.0	CARBONDALE	SPRINGFIELD	COAL	2.0	919.0
-1035.0	BASE OF PENN.		UNCLASSIFIED	-	1560.0

MAPID: 02500073000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.619339 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.877645 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 525.0 **LOGGED (FT.):** 2352.0 **LOG TYPE:**
SOURCE: CARTER OC, VANGESON R 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-25.0	BOND	CARTHAGE	LIMESTONE	-	550.0
-354.0	CARBONDALE	HERRIN	COAL	-	879.0

MAPID: 02500074000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.619339 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877645 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: CARTER OC, VANGESON R 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-24.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-227.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	756.0
-349.0	CARBONDALE	HERRIN	COAL	-	878.0
-386.0	CARBONDALE	SPRINGFIELD	COAL	2.0	915.0
-1061.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0

MAPID: 02500074000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.619339 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.877645 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2355.0 **LOG TYPE:**
SOURCE: CARTER OC, VANGESON R 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-24.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-349.0	CARBONDALE	HERRIN	COAL	-	878.0

MAPID: 02500075000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.62171 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.875821 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 497.0 **LOGGED (FT.):** 4970.0 **LOG TYPE:**
SOURCE: CARTER OC, VANGESON R 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	530.0
-243.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	740.0
-359.0	CARBONDALE	HERRIN	COAL	-	856.0
-397.0	CARBONDALE	SPRINGFIELD	COAL	4.0	894.0
-1053.0	BASE OF PENN.		UNCLASSIFIED	-	1550.0

MAPID: 02500075000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.62171 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.875821 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 497.0 **LOGGED (FT.):** 2420.0 **LOG TYPE:**
SOURCE: CARTER OC, VANGESON R 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	530.0
-359.0	CARBONDALE	HERRIN	COAL	-	856.0

MAPID: 02500084000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.61932 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879456 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 5180.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 8 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-22.0	BOND	CARTHAGE	LIMESTONE	-	540.0
-351.0	CARBONDALE	HERRIN	COAL	-	869.0
-388.0	CARBONDALE	SPRINGFIELD	COAL	-	906.0

MAPID: 02500084000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.61932 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879456 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 2320.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 8 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-22.0	BOND	CARTHAGE	LIMESTONE	-	540.0
-351.0	CARBONDALE	HERRIN	COAL	-	869.0

MAPID: 02500085000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.626337 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.881243 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 9 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-340.0	CARBONDALE	HERRIN	COAL	-	871.0
-379.0	CARBONDALE	SPRINGFIELD	COAL	3.0	910.0
-1039.0	BASE OF PENN.		UNCLASSIFIED	-	1570.0

MAPID: 02500085000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.626337 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.881243 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 2472.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 9 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-340.0	CARBONDALE	HERRIN	COAL	-	871.0

MAPID: 02500086000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619297 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.88127 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 10 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-19.0	BOND	CARTHAGE	LIMESTONE	-	548.0
-343.0	CARBONDALE	HERRIN	COAL	-	872.0
-381.0	CARBONDALE	SPRINGFIELD	COAL	2.0	910.0
-1027.0	BASE OF PENN.		UNCLASSIFIED	-	1556.0

MAPID: 02500086000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619297 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.88127 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2482.0 **LOG TYPE:**
SOURCE: TIDE WATER, DAVIS CORA 10 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-19.0	BOND	CARTHAGE	LIMESTONE	-	548.0
-343.0	CARBONDALE	HERRIN	COAL	-	872.0

MAPID: 02500087000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619275 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.883081 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0014 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	569.0
-345.0	CARBONDALE	HERRIN	COAL	-	876.0
-383.0	CARBONDALE	SPRINGFIELD	COAL	2.0	914.0
-1039.0	BASE OF PENN.		UNCLASSIFIED	-	1570.0

MAPID: 02500087000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619275 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.883081 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 2496.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0014 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	569.0
-345.0	CARBONDALE	HERRIN	COAL	-	876.0

MAPID: 02500088000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: HORD **LONGITUDE:** -88.624037 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877622 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 5170.0 **LOG TYPE:**
SOURCE: TEXAS CO, RISSER F 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-17.0	BOND	CARTHAGE	LIMESTONE	-	534.0
-347.0	CARBONDALE	HERRIN	COAL	-	864.0
-385.0	CARBONDALE	SPRINGFIELD	COAL	2.0	902.0
-1033.0	BASE OF PENN.		UNCLASSIFIED	-	1550.0

MAPID: 02500088000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: HORD **LONGITUDE:** -88.624037 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.877622 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 517.0 **LOGGED (FT.):** 2346.0 **LOG TYPE:**
SOURCE: TEXAS CO, RISSER F W0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-17.0	BOND	CARTHAGE	LIMESTONE	-	534.0
-347.0	CARBONDALE	HERRIN	COAL	-	864.0

MAPID: 02500089000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.626408

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.875799

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 483.0

LOGGED (FT.): 4830.0

LOG TYPE:

SOURCE: TEXAS CO, RISSER F 3

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	522.0
-358.0	CARBONDALE	HERRIN	COAL	-	841.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	3.0	881.0
-1019.0	BASE OF PENN.		UNCLASSIFIED	-	1502.0

MAPID: 02500089000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.626408

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.875799

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 483.0

LOGGED (FT.): 2314.0

LOG TYPE:

SOURCE: TEXAS CO, RISSER F W0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	522.0
-358.0	CARBONDALE	HERRIN	COAL	-	841.0

MAPID: 02500091000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 15

QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.633406

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.879399

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 5320.0

LOG TYPE:

SOURCE: TEXAS CO, B & K COMM 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-218.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	750.0
-355.0	CARBONDALE	HERRIN	COAL	-	887.0
-394.0	CARBONDALE	SPRINGFIELD	COAL	2.0	926.0
-1034.0	BASE OF PENN.		UNCLASSIFIED	-	1566.0

MAPID: 02500091000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.633406

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.879399

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 2366.0

LOG TYPE:

SOURCE: TEXAS CO, B & K COMM 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-38.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-355.0	CARBONDALE	HERRIN	COAL	-	887.0	

MAPID: 02500093000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: HORD LONGITUDE: -88.624014

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.879436

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 5300.0

LOG TYPE:

SOURCE: TIDE WATER, DAVIS CORA 6

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-30.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-348.0	CARBONDALE	HERRIN	COAL	-	878.0	
-386.0	CARBONDALE	SPRINGFIELD	COAL	2.0	916.0	
-1042.0	BASE OF PENN.		UNCLASSIFIED	-	1572.0	

MAPID: 02500093000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 15 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: HORD LONGITUDE: -88.624014

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.879436

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 2337.0

LOG TYPE:

SOURCE: TIDE WATER, DAVIS CORA 6

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-30.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-348.0	CARBONDALE	HERRIN	COAL	-	878.0	

MAPID: 02500099000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619252 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.884894 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-48.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-252.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	780.0
-355.0	CARBONDALE	HERRIN	COAL	-	883.0
-393.0	CARBONDALE	SPRINGFIELD	COAL	2.0	921.0
-1027.0	BASE OF PENN.		UNCLASSIFIED	-	1555.0

MAPID: 02500099000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619252 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.884894 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 2360.0 **LOG TYPE:**
SOURCE: LUTTRELL H, REED HEIRS0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-48.0	BOND	CARTHAGE	LIMESTONE	-	576.0
-355.0	CARBONDALE	HERRIN	COAL	-	883.0

MAPID: 02500363000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.633428 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877582 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: SHELL OC, BUHRMAN R 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	563.0
-210.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	740.0
-349.0	CARBONDALE	HERRIN	COAL	-	879.0
-389.0	CARBONDALE	SPRINGFIELD	COAL	2.0	919.0
-1036.0	BASE OF PENN.		UNCLASSIFIED	-	1566.0

MAPID: 02500363000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.633428 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.877582 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 2451.0 **LOG TYPE:**
SOURCE: SHELL OC, BUHRMAN R 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	563.0
-349.0	CARBONDALE	HERRIN	COAL	-	879.0

MAPID: 02501555000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** 710' S line, 610' E line of SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.620372 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.873255 **DATE COLLECTED:** 12 / 0 / 1960
SURFACE ELEVATION (FT.): 490.0 **LOGGED (FT.):** 1080.0 **LOG TYPE:** Sonic Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-356.0	CARBONDALE	HERRIN	COAL	-	846.0
-590.0	CARBONDALE	COLCHESTER	COAL	-	1080.0

MAPID: 02501555000C **VERSION:** 2 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** 710' S line, 610' E line of SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.620372 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.873255 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 490.0 **LOGGED (FT.):** 892.0 **LOG TYPE:** Electric Log
SOURCE: COOPERATIVE REF. ASSOC. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-33.0	BOND	CARTHAGE	LIMESTONE	-	523.0
-356.0	CARBONDALE	HERRIN	COAL	-	846.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	4.0	888.0

MAPID: 02500056000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.638097 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879368 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: TEXAS CO, BIRCH N 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-41.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-355.0	CARBONDALE	HERRIN	COAL	-	888.0
-393.0	CARBONDALE	SPRINGFIELD	COAL	3.0	926.0
-1051.0	BASE OF PENN.		UNCLASSIFIED	-	1584.0

MAPID: 02500056000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.638097 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879368 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 2366.0 **LOG TYPE:**
SOURCE: TEXAS CO, BIRCH N 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-41.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-355.0	CARBONDALE	HERRIN	COAL	-	888.0

MAPID: 02500067000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.654531 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877307 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 542.0 **LOGGED (FT.):** 5420.0 **LOG TYPE:**
SOURCE: BRIDGE F A, LANDRETH C0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	580.0
-205.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	747.0
-340.0	CARBONDALE	HERRIN	COAL	-	882.0
-378.0	CARBONDALE	SPRINGFIELD	COAL	-	920.0
-1008.0	BASE OF PENN.		UNCLASSIFIED	-	1550.0

MAPID: 02500067000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 16 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.654531

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.877307

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 542.0 LOGGED (FT.): 2380.0

LOG TYPE:

SOURCE: BRIDGE F A, LANDRETH C0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	580.0
-340.0	CARBONDALE	HERRIN	COAL	-	882.0

MAPID: 02500090000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 16 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.638123

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.877548

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 5320.0

LOG TYPE:

SOURCE: TEXAS CO, JOLIFF J W0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-34.0	BOND	CARTHAGE	LIMESTONE	-	566.0
-198.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	730.0
-344.0	CARBONDALE	HERRIN	COAL	-	876.0
-382.0	CARBONDALE	SPRINGFIELD	COAL	2.0	914.0
-1021.0	BASE OF PENN.		UNCLASSIFIED	-	1553.0

MAPID: 02500090000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 16 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: EDGEWOOD LONGITUDE: -88.638123

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.877548

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 2374.0

LOG TYPE:

SOURCE: TEXAS CO, JOLIFF J W0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-34.0	BOND	CARTHAGE	LIMESTONE	-	566.0
-344.0	CARBONDALE	HERRIN	COAL	-	876.0

MAPID: 02503694000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 16 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.642862 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.873831 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 522.0 LOGGED (FT.): 896.0 LOG TYPE: Electric Log
 SOURCE: BLACK, J. L. OIL PROD. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-30.0	BOND	CARTHAGE	LIMESTONE	-	552.0
-328.0	CARBONDALE	HERRIN	COAL	-	850.0
-372.0	CARBONDALE	SPRINGFIELD	COAL	2.0	894.0

MAPID: 02500017000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 17 QUARTERS/FOOTAGES: SW NE SW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.668611 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.875413 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 553.0 LOGGED (FT.): 5530.0 LOG TYPE:
 SOURCE: STEWART OC, FIELDS J 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-28.0	BOND	CARTHAGE	LIMESTONE	-	581.0
-180.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	733.0
-312.0	CARBONDALE	HERRIN	COAL	-	865.0
-352.0	CARBONDALE	SPRINGFIELD	COAL	-	905.0
-1057.0	BASE OF PENN.		UNCLASSIFIED	-	1610.0

MAPID: 02500017000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 17 QUARTERS/FOOTAGES: SW NE SW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.668611 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.875413 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 553.0 LOGGED (FT.): 2562.0 LOG TYPE:
 SOURCE: STEWART OC, FIELDS J 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-28.0	BOND	CARTHAGE	LIMESTONE	-	581.0
-312.0	CARBONDALE	HERRIN	COAL	-	865.0

MAPID: 02500018000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.656844 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879124 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 5480.0 **LOG TYPE:**
SOURCE: MADDEN A R, GING 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	-	590.0	
-222.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	770.0	
-338.0	CARBONDALE	HERRIN	COAL	-	886.0	
-372.0	CARBONDALE	SPRINGFIELD	COAL	2.5	920.0	
-1052.0	BASE OF PENN.		UNCLASSIFIED	-	1600.0	

MAPID: 02500018000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.656844 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879124 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 2399.0 **LOG TYPE:**
SOURCE: MADDEN A R, GING 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	-	590.0	
-338.0	CARBONDALE	HERRIN	COAL	-	886.0	

MAPID: 02500020000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** SW SE NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.668568 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879081 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 558.0 **LOGGED (FT.):** 5580.0 **LOG TYPE:**
SOURCE: DUNCAN D, HUBER 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-34.0	BOND	CARTHAGE	LIMESTONE	-	592.0	
-186.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	744.0	
-317.0	CARBONDALE	HERRIN	COAL	-	875.0	
-356.0	CARBONDALE	SPRINGFIELD	COAL	3.0	914.0	
-1087.0	BASE OF PENN.		UNCLASSIFIED	-	1645.0	

MAPID: 02500020000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 17

QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.668568

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.879081

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 558.0

LOGGED (FT.): 2400.0

LOG TYPE:

SOURCE: DUNCAN D, HUBER 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-34.0	BOND	CARTHAGE	LIMESTONE	-	592.0
-317.0	CARBONDALE	HERRIN	COAL	-	875.0

MAPID: 02500031000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 17

QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.66156

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.87727

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 499.0

LOGGED (FT.): 4990.0

LOG TYPE:

SOURCE: DUNBAR ETL, LIGGETT 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	530.0
-187.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	686.0
-320.0	CARBONDALE	HERRIN	COAL	-	819.0
-356.0	CARBONDALE	SPRINGFIELD	COAL	2.0	855.0
-1076.0	BASE OF PENN.		UNCLASSIFIED	-	1575.0

MAPID: 02500031000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY

TWP/RNG: 5N 5E

SECTION: 17

QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: EDGEWOOD

LONGITUDE: -88.66156

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 38.87727

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 499.0

LOGGED (FT.): 2342.0

LOG TYPE:

SOURCE: DUNBAR ETL, LIGGETT 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	530.0
-320.0	CARBONDALE	HERRIN	COAL	-	819.0

MAPID: 02500102000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.666176 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.882761 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 5370.0 **LOG TYPE:**
SOURCE: DUNBAR ETL, HUBER M 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-37.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-193.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	730.0
-327.0	CARBONDALE	HERRIN	COAL	-	864.0
-365.0	CARBONDALE	SPRINGFIELD	COAL	-	902.0
-1083.0	BASE OF PENN.		UNCLASSIFIED	-	1620.0

MAPID: 02500102000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.666176 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.882761 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 2516.0 **LOG TYPE:**
SOURCE: DUNBAR ETL, HUBER M 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-37.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-327.0	CARBONDALE	HERRIN	COAL	-	864.0

MAPID: 02500373000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.656877 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.877286 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 498.0 **LOGGED (FT.):** 4980.0 **LOG TYPE:**
SOURCE: DUNBAR J W **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-324.0	CARBONDALE	HERRIN	COAL	-	822.0
-360.0	CARBONDALE	SPRINGFIELD	COAL	-	858.0
-1078.0	BASE OF PENN.		UNCLASSIFIED	-	1576.0

MAPID: 02500373000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.656877 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.877286 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 498.0 **LOGGED (FT.):** 2346.0 **LOG TYPE:**
SOURCE: DUNBAR J W, LIGGETT J 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-37.0	BOND	CARTHAGE	LIMESTONE	-	535.0
-324.0	CARBONDALE	HERRIN	COAL	-	822.0

MAPID: 02500374000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.661532 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.879108 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 496.0 **LOGGED (FT.):** 4960.0 **LOG TYPE:**
SOURCE: BRIDGE F A, LANDRETH 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	535.0
-193.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	689.0
-317.0	CARBONDALE	HERRIN	COAL	-	813.0
-352.0	CARBONDALE	SPRINGFIELD	COAL	-	848.0
-1061.0	BASE OF PENN.		UNCLASSIFIED	-	1557.0

MAPID: 02500374000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.661532 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.879108 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 496.0 **LOGGED (FT.):** 2342.0 **LOG TYPE:**
SOURCE: BRIDGE F A, LANDRETH 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	535.0
-317.0	CARBONDALE	HERRIN	COAL	-	813.0

MAPID: 02503696000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 17 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.66614 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.884602 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 551.0 LOGGED (FT.): 913.0 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
-29.0	BOND	CARTHAGE	LIMESTONE	-	580.0
-315.0	CARBONDALE	HERRIN	COAL	-	866.0
-359.0	CARBONDALE	SPRINGFIELD	COAL	3.0	910.0

MAPID: 02500501000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 18 QUARTERS/FOOTAGES: SE SE NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.685559 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.879158 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 5650.0 LOG TYPE:
 SOURCE: TEXAS CO, JONES W 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-18.0	BOND	CARTHAGE	LIMESTONE	-	583.0
-177.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	742.0
-312.0	CARBONDALE	HERRIN	COAL	1.0	877.0
-352.0	CARBONDALE	SPRINGFIELD	COAL	-	917.0
-1185.0	BASE OF PENN.		UNCLASSIFIED	-	1750.0

MAPID: 02500501000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 18 QUARTERS/FOOTAGES: SE SE NW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.685559 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.879158 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 2505.0 LOG TYPE:
 SOURCE: TEXAS CO, JONES W 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-18.0	BOND	CARTHAGE	LIMESTONE	-	583.0
-312.0	CARBONDALE	HERRIN	COAL	1.0	877.0

MAPID: 02501385000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 18 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.680527 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.880944 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 921.0 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	-	587.0	
-311.0	CARBONDALE	HERRIN	COAL	-	876.0	
-353.0	CARBONDALE	SPRINGFIELD	COAL	3.0	918.0	ROOF: 3ST.D

MAPID: 02500092000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 20 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.66637 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.866233 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 548.0 LOGGED (FT.): 5480.0 LOG TYPE:
 SOURCE: KILPTRCK K, WILLIAMS J0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-21.0	BOND	CARTHAGE	LIMESTONE	-	569.0	
-195.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	743.0	
-320.0	CARBONDALE	HERRIN	COAL	1.0	868.0	
-362.0	CARBONDALE	SPRINGFIELD	COAL	2.0	910.0	
-1094.0	BASE OF PENN.		UNCLASSIFIED	-	1642.0	

MAPID: 02500092000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 20 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.66637 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.866233 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 548.0 LOGGED (FT.): 2568.0 LOG TYPE:
 SOURCE: KILPTRCK K, WILLIAMS J0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-21.0	BOND	CARTHAGE	LIMESTONE	-	569.0	
-320.0	CARBONDALE	HERRIN	COAL	1.0	868.0	

MAPID: 02500092000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 20 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.66637 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.866233 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 548.0 LOGGED (FT.): 913.0 LOG TYPE: Electric Log
 SOURCE: KILPATRICK K W WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-318.0	CARBONDALE	HERRIN	COAL	-	866.0	
-362.0	CARBONDALE	SPRINGFIELD	COAL	3.0	910.0	ROOF: 1'SH, 2'ST.D

MAPID: 02500032000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 21 QUARTERS/FOOTAGES: NE NW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.642991 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.862844 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 5360.0 LOG TYPE:
 SOURCE: BURNET ETL, SMITH 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-24.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-207.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	743.0	
-329.0	CARBONDALE	HERRIN	COAL	-	865.0	
-363.0	CARBONDALE	SPRINGFIELD	COAL	2.5	899.0	
-1044.0	BASE OF PENN.		UNCLASSIFIED	-	1580.0	

MAPID: 02500032000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 21 QUARTERS/FOOTAGES: NE NW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.642991 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.862844 DATE COLLECTED: 0 / 0 / 1939
 SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 2522.0 LOG TYPE:
 SOURCE: BURNET ETL, SMITH 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-24.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-329.0	CARBONDALE	HERRIN	COAL	-	865.0	

MAPID: 02500076000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 21 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.649967 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.870046 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 490.0 **LOGGED (FT.):** 4900.0 **LOG TYPE:**
SOURCE: LCY&RLY DC, SMITH R E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-21.0	BOND	CARTHAGE	LIMESTONE	-	511.0	
-190.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	680.0	
-328.0	CARBONDALE	HERRIN	COAL	-	818.0	
-367.0	CARBONDALE	SPRINGFIELD	COAL	2.0	857.0	
-1082.0	BASE OF PENN.		UNCLASSIFIED	-	1572.0	

MAPID: 02500076000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 21 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.649967 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.870046 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 490.0 **LOGGED (FT.):** 2339.0 **LOG TYPE:**
SOURCE: LCY&RLY DC, SMITH R E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-21.0	BOND	CARTHAGE	LIMESTONE	-	511.0	
-328.0	CARBONDALE	HERRIN	COAL	-	818.0	

MAPID: 02503702000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.645364 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.862807 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 908.0 **LOG TYPE:** Electric Log
SOURCE: BLACK, J. L. OIL PROD. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-24.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-324.0	CARBONDALE	HERRIN	COAL	-	860.0	
-368.0	CARBONDALE	SPRINGFIELD	COAL	4.0	904.0	ROOF: 2ST.D

MAPID: 02500021000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.628835 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.868498 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, SMITH W E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-222.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	754.0	
-350.0	CARBONDALE	HERRIN	COAL	-	882.0	
-390.0	CARBONDALE	SPRINGFIELD	COAL	4.0	922.0	
-1028.0	BASE OF PENN.		UNCLASSIFIED	-	1560.0	

MAPID: 02500021000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.628835 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.868498 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 2570.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, SMITH W E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-350.0	CARBONDALE	HERRIN	COAL	-	882.0	

MAPID: 02500122000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.626523 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.863006 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: WILLIAMS H, MCGEE ESTY 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-30.0	BOND	CARTHAGE	LIMESTONE	-	562.0	
-210.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	742.0	
-345.0	CARBONDALE	HERRIN	COAL	2.0	877.0	
-392.0	CARBONDALE	SPRINGFIELD	COAL	3.0	924.0	
-1032.0	BASE OF PENN.		UNCLASSIFIED	-	1564.0	

MAPID: 02500122000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: OSKALOOSA LONGITUDE: -88.626523

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.863006

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 2356.0

LOG TYPE:

SOURCE: WILLIAMS H, MCGEE ESTY 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-30.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-345.0	CARBONDALE	HERRIN	COAL	2.0	877.0

MAPID: 02500123000C VERSION: 1

PROJECT: RI 148

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

QUADRANGLE: OSKALOOSA LONGITUDE: -88.628887

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.861157

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 5320.0

LOG TYPE:

SOURCE: MCBRIDEINC, WOOLRGE L 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-218.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	750.0
-348.0	CARBONDALE	HERRIN	COAL	1.5	880.0
-394.0	CARBONDALE	SPRINGFIELD	COAL	-	926.0
-1038.0	BASE OF PENN.		UNCLASSIFIED	-	1570.0

MAPID: 02500123000C VERSION: 2

PROJECT: CIRC 164

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

QUADRANGLE: OSKALOOSA LONGITUDE: -88.628887

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.861157

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 2531.0

LOG TYPE:

SOURCE: MCBRIDEINC, WOOLRGE L 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	570.0
-348.0	CARBONDALE	HERRIN	COAL	1.5	880.0

MAPID: 02500277000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.624202 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.859347 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 1B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	-	580.0	
-247.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	780.0	
-353.0	CARBONDALE	HERRIN	COAL	-	886.0	
-397.0	CARBONDALE	SPRINGFIELD	COAL	3.0	930.0	
-1077.0	BASE OF PENN.		UNCLASSIFIED	-	1610.0	

MAPID: 02500277000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.624202 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.859347 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 2360.0 **LOG TYPE:**
SOURCE: SHELL OC, MOSS LEE 1B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	-	580.0	
-353.0	CARBONDALE	HERRIN	COAL	-	886.0	

MAPID: 02500352000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.626499 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.866675 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 489.0 **LOGGED (FT.):** 4890.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS HIRA 6 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-29.0	BOND	CARTHAGE	LIMESTONE	-	518.0	
-219.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	708.0	
-358.0	CARBONDALE	HERRIN	COAL	-	847.0	
-398.0	CARBONDALE	SPRINGFIELD	COAL	-	887.0	
-1021.0	BASE OF PENN.		UNCLASSIFIED	-	1510.0	

MAPID: 02500352000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: OSKALOOSA LONGITUDE: -88.626499

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.866675

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 2318.0

LOG TYPE:

SOURCE: TEXAS CO, BYERS HIRA 6

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-29.0	BOND	CARTHAGE	LIMESTONE	-	518.0
-358.0	CARBONDALE	HERRIN	COAL	-	847.0

MAPID: 02500356000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.624174

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.863016

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 5300.0

LOG TYPE:

SOURCE: WILLIAMS H, MCGEE ESTY 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-27.0	BOND	CARTHAGE	LIMESTONE	-	557.0
-220.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	750.0
-346.0	CARBONDALE	HERRIN	COAL	-	876.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	2.0	928.0
-1022.0	BASE OF PENN.		UNCLASSIFIED	-	1552.0

MAPID: 02500356000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.624174

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.863016

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 2355.0

LOG TYPE:

SOURCE: WILLIAMS H, MCGEE ESTY 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-27.0	BOND	CARTHAGE	LIMESTONE	-	557.0
-346.0	CARBONDALE	HERRIN	COAL	-	876.0

MAPID: 02500357000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619493 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.861205 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: TEXAS CO, SPENCR COM 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-20.0	BOND	CARTHAGE	LIMESTONE	-	549.0
-225.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	754.0
-342.0	CARBONDALE	HERRIN	COAL	2.0	871.0
-386.0	CARBONDALE	SPRINGFIELD	COAL	-	915.0
-1165.0	BASE OF PENN.		UNCLASSIFIED	-	1694.0

MAPID: 02500357000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619493 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.861205 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2362.0 **LOG TYPE:**
SOURCE: TEXAS CO, SPENCR COM 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-20.0	BOND	CARTHAGE	LIMESTONE	-	549.0
-342.0	CARBONDALE	HERRIN	COAL	2.0	871.0

MAPID: 02500358000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.621842 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.861193 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, SPENCR COM 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	568.0
-236.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	766.0
-360.0	CARBONDALE	HERRIN	COAL	-	890.0
-402.0	CARBONDALE	SPRINGFIELD	COAL	-	932.0
-1130.0	BASE OF PENN.		UNCLASSIFIED	-	1660.0

MAPID: 02500358000C VERSION: 2

PROJECT: CIRC 164

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

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.621842

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.861193

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 2359.0

LOG TYPE:

SOURCE: TEXAS CO, SPENCR COM 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	568.0
-360.0	CARBONDALE	HERRIN	COAL	-	890.0

MAPID: 02500359000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.624123

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.870357

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 5290.0

LOG TYPE:

SOURCE: TEXAS CO, WILLIAMS J 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-27.0	BOND	CARTHAGE	LIMESTONE	-	556.0
-367.0	CARBONDALE	HERRIN	COAL	-	896.0
-409.0	CARBONDALE	SPRINGFIELD	COAL	-	938.0
-1045.0	BASE OF PENN.		UNCLASSIFIED	-	1574.0

MAPID: 02500359000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.624123

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.870357

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 2359.0

LOG TYPE:

SOURCE: TEXAS CO, WILLIAMS JW0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-27.0	BOND	CARTHAGE	LIMESTONE	-	556.0
-367.0	CARBONDALE	HERRIN	COAL	-	896.0

MAPID: 02500359000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE NW NE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.624123 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.870357 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 941.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-29.0	BOND	CARTHAGE	LIMESTONE	-	558.0	
-365.0	CARBONDALE	HERRIN	COAL	-	894.0	
-408.0	CARBONDALE	SPRINGFIELD	COAL	4.0	937.0	ROOF: 3ST.D

MAPID: 02500380000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SW NW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.626538 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.86117 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 5290.0 LOG TYPE:
 SOURCE: TEXAS CO, WILLIAMS J 3 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-231.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	760.0	
-366.0	CARBONDALE	HERRIN	COAL	-	895.0	
-407.0	CARBONDALE	SPRINGFIELD	COAL	1.5	936.0	
-1056.0	BASE OF PENN.		UNCLASSIFIED	-	1585.0	

MAPID: 02500380000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SW NW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.626538 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.86117 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 2358.0 LOG TYPE:
 SOURCE: TEXAS CO, WILLIAMS JW0003 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	560.0	
-364.0	CARBONDALE	HERRIN	COAL	-	893.0	

MAPID: 02500427000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619478 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.863041 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS HIRA 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	BOND	CARTHAGE	LIMESTONE	-	552.0	
-226.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	756.0	
-351.0	CARBONDALE	HERRIN	COAL	-	881.0	
-396.0	CARBONDALE	SPRINGFIELD	COAL	3.0	926.0	
-1064.0	BASE OF PENN.		UNCLASSIFIED	-	1594.0	

MAPID: 02500427000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619478 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.863041 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 2355.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS HIRA 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	BOND	CARTHAGE	LIMESTONE	-	552.0	
-351.0	CARBONDALE	HERRIN	COAL	-	881.0	

MAPID: 02500428000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.626511 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.864839 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 522.0 **LOGGED (FT.):** 5220.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS HIRA 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	BOND	CARTHAGE	LIMESTONE	-	550.0	
-212.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	734.0	
-350.0	CARBONDALE	HERRIN	COAL	1.0	872.0	
-390.0	CARBONDALE	SPRINGFIELD	COAL	3.0	912.0	
-1034.0	BASE OF PENN.		UNCLASSIFIED	-	1556.0	

MAPID: 02500428000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: OSKALOOSA LONGITUDE: -88.626511

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.864839

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 522.0 LOGGED (FT.): 2353.0

LOG TYPE:

SOURCE: TEXAS CO, BYERS HIRA 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-28.0	BOND	CARTHAGE	LIMESTONE	-	550.0	
-350.0	CARBONDALE	HERRIN	COAL	1.0	872.0	

MAPID: 02500429000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.621798

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.8667

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 5270.0

LOG TYPE:

SOURCE: TEXAS CO, LOUDEN J F0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	BOND	CARTHAGE	LIMESTONE	-	554.0	
-227.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	754.0	
-355.0	CARBONDALE	HERRIN	COAL	-	882.0	
-389.0	CARBONDALE	SPRINGFIELD	COAL	4.0	916.0	
-1003.0	BASE OF PENN.		UNCLASSIFIED	-	1530.0	

MAPID: 02500429000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.621798

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.8667

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 527.0 LOGGED (FT.): 2357.0

LOG TYPE:

SOURCE: TEXAS CO, LOUDEN J F0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	BOND	CARTHAGE	LIMESTONE	-	554.0	
-355.0	CARBONDALE	HERRIN	COAL	-	882.0	

MAPID: 02500430000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619478 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.863041 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS HIRA 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	560.0
-226.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	754.0
-343.0	CARBONDALE	HERRIN	COAL	-	871.0
-384.0	CARBONDALE	SPRINGFIELD	COAL	-	912.0
-1122.0	BASE OF PENN.		UNCLASSIFIED	-	1650.0

MAPID: 02500430000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619478 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.863041 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 2355.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS HIRA 4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-32.0	BOND	CARTHAGE	LIMESTONE	-	560.0
-343.0	CARBONDALE	HERRIN	COAL	-	871.0

MAPID: 02500431000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.624162 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.864852 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, BYERS H 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-20.0	BOND	CARTHAGE	LIMESTONE	-	550.0
-216.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	746.0
-354.0	CARBONDALE	HERRIN	COAL	-	884.0
-395.0	CARBONDALE	SPRINGFIELD	COAL	2.0	925.0
-1022.0	BASE OF PENN.		UNCLASSIFIED	-	1552.0

MAPID: 02500431000C VERSION: 2

PROJECT: CIRC 164

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

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.624162

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.864852

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 2357.0

LOG TYPE:

SOURCE: TEXAS CO, BYERS HIRA 3

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-20.0	BOND	CARTHAGE	LIMESTONE	-	550.0
-354.0	CARBONDALE	HERRIN	COAL	-	884.0

MAPID: 02500432000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.62415

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.866688

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 5290.0

LOG TYPE:

SOURCE: TEXAS CO, BYERS HIRA 5

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-24.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-227.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	756.0
-358.0	CARBONDALE	HERRIN	COAL	-	887.0
-398.0	CARBONDALE	SPRINGFIELD	COAL	2.0	927.0
-1011.0	BASE OF PENN.		UNCLASSIFIED	-	1540.0

MAPID: 02500432000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.62415

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.866688

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 2358.0

LOG TYPE:

SOURCE: TEXAS CO, BYERS HIRA 5

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-24.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-358.0	CARBONDALE	HERRIN	COAL	-	887.0

MAPID: 02500433000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SW NE NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.621786 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.868536 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 5100.0 LOG TYPE:

SOURCE: TEXAS CO, RUSH I J 1B WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	545.0
-242.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	752.0
-355.0	CARBONDALE	HERRIN	COAL	-	865.0
-394.0	CARBONDALE	SPRINGFIELD	COAL	2.0	904.0
-1030.0	BASE OF PENN.		UNCLASSIFIED	-	1540.0

MAPID: 02500433000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SW NE NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.621786 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.868536 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 2339.0 LOG TYPE:

SOURCE: TEXAS CO, RUSH I J 1B WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	545.0
-355.0	CARBONDALE	HERRIN	COAL	-	865.0

MAPID: 02500434000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.61945 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.866713 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 519.0 LOGGED (FT.): 5190.0 LOG TYPE:

SOURCE: TEXAS CO, LOUDEN J F0004 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	554.0
-237.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	756.0
-354.0	CARBONDALE	HERRIN	COAL	-	873.0
-389.0	CARBONDALE	SPRINGFIELD	COAL	3.0	908.0
-1023.0	BASE OF PENN.		UNCLASSIFIED	-	1542.0

MAPID: 02500434000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.61945 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.866713 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 519.0 LOGGED (FT.): 2351.0 LOG TYPE:

SOURCE: TEXAS CO, LOUDEN J F0004 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	554.0
-354.0	CARBONDALE	HERRIN	COAL	-	873.0

MAPID: 02500435000C VERSION: 1

PROJECT: RI 148

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

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.621814 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.864864 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 5290.0 LOG TYPE:

SOURCE: TEXAS CO, LOUDEN J F0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-29.0	BOND	CARTHAGE	LIMESTONE	-	558.0
-221.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	750.0
-352.0	CARBONDALE	HERRIN	COAL	-	881.0
-391.0	CARBONDALE	SPRINGFIELD	COAL	2.0	920.0
-973.0	BASE OF PENN.		UNCLASSIFIED	-	1502.0

MAPID: 02500435000C VERSION: 2

PROJECT: CIRC 164

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

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.621814 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.864864 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 2358.0 LOG TYPE:

SOURCE: TEXAS CO, LOUDEN J F0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-29.0	BOND	CARTHAGE	LIMESTONE	-	558.0
-352.0	CARBONDALE	HERRIN	COAL	-	881.0

MAPID: 02500436000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619465 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.864877 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 514.0 **LOGGED (FT.):** 5140.0 **LOG TYPE:**
SOURCE: TEXAS CO, LOUDEN J F0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-32.0	BOND	CARTHAGE	LIMESTONE	-	546.0	
-226.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	740.0	
-346.0	CARBONDALE	HERRIN	COAL	-	860.0	
-386.0	CARBONDALE	SPRINGFIELD	COAL	3.0	900.0	
-1186.0	BASE OF PENN.		UNCLASSIFIED	-	1700.0	

MAPID: 02500436000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619465 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.864877 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 514.0 **LOGGED (FT.):** 2342.0 **LOG TYPE:**
SOURCE: TEXAS CO, LOUDEN J F0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-32.0	BOND	CARTHAGE	LIMESTONE	-	546.0	
-346.0	CARBONDALE	HERRIN	COAL	-	860.0	

MAPID: 02500437000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.62419 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.86118 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 489.0 **LOGGED (FT.):** 4890.0 **LOG TYPE:**
SOURCE: TEXAS CO, WILLIAMS J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-61.0	BOND	CARTHAGE	LIMESTONE	-	550.0	
-233.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	722.0	
-359.0	CARBONDALE	HERRIN	COAL	1.5	848.0	
-397.0	CARBONDALE	SPRINGFIELD	COAL	4.0	886.0	
-1036.0	BASE OF PENN.		UNCLASSIFIED	-	1525.0	

MAPID: 02500437000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.62419 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.86118 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 489.0 LOGGED (FT.): 2319.0 LOG TYPE:

SOURCE: TEXAS CO, WILLAMS JW0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-61.0	BOND	CARTHAGE	LIMESTONE	-	550.0
-359.0	CARBONDALE	HERRIN	COAL	1.5	848.0

MAPID: 02500438000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.628859 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.864826 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 4950.0 LOG TYPE:

SOURCE: TEXAS CO, BYERS HIRA 7 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	530.0
-213.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	708.0
-351.0	CARBONDALE	HERRIN	COAL	2.0	846.0
-391.0	CARBONDALE	SPRINGFIELD	COAL	3.0	886.0
-1055.0	BASE OF PENN.		UNCLASSIFIED	-	1550.0

MAPID: 02500438000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.628859 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.864826 DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 2333.0 LOG TYPE:

SOURCE: TEXAS CO, BYERS HIRA 7 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-35.0	BOND	CARTHAGE	LIMESTONE	-	530.0
-351.0	CARBONDALE	HERRIN	COAL	2.0	846.0

MAPID: 02500443000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.621854 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.859357 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: TEXAS CO, SPENCER F 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-236.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	768.0
-354.0	CARBONDALE	HERRIN	COAL	1.5	886.0
-402.0	CARBONDALE	SPRINGFIELD	COAL	1.0	934.0
-1150.0	BASE OF PENN.		UNCLASSIFIED	-	1682.0

MAPID: 02500443000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.621854 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.859357 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 2360.0 **LOG TYPE:**
SOURCE: TEXAS CO, SPENCER F 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-42.0	BOND	CARTHAGE	LIMESTONE	-	574.0
-354.0	CARBONDALE	HERRIN	COAL	1.5	886.0

MAPID: 02500444000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619505 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.859369 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: TEXAS CO **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-350.0	CARBONDALE	HERRIN	COAL	1.5	878.0
-394.0	CARBONDALE	SPRINGFIELD	COAL	2.0	922.0
-1179.0	BASE OF PENN.		UNCLASSIFIED	-	1707.0

MAPID: 02500444000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.619505

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.859369

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 2514.0

LOG TYPE:

SOURCE: TEXAS CO, SPENCER F 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-27.0	BOND	CARTHAGE	LIMESTONE	-	555.0
-350.0	CARBONDALE	HERRIN	COAL	1.5	878.0

MAPID: 02500502000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.633607

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.857466

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 5300.0

LOG TYPE:

SOURCE: REDWINE N, CZYZEWSKI 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-28.0	BOND	CARTHAGE	LIMESTONE	-	558.0
-215.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	745.0
-338.0	CARBONDALE	HERRIN	COAL	-	868.0
-380.0	CARBONDALE	SPRINGFIELD	COAL	-	910.0
-1040.0	BASE OF PENN.		UNCLASSIFIED	-	1570.0

MAPID: 02500502000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 22 QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: OSKALOOSA LONGITUDE: -88.633607

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.857466

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 2538.0

LOG TYPE:

SOURCE: REDWINE N, CZYZEWSKI 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-28.0	BOND	CARTHAGE	LIMESTONE	-	558.0
-338.0	CARBONDALE	HERRIN	COAL	-	868.0

MAPID: 02500507000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619437 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.868549 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 492.0 **LOGGED (FT.):** 4920.0 **LOG TYPE:**
SOURCE: TEXAS CO, RUSH I J 2B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-19.0	BOND	CARTHAGE	LIMESTONE	-	511.0	
-236.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	728.0	
-339.0	CARBONDALE	HERRIN	COAL	-	831.0	
-380.0	CARBONDALE	SPRINGFIELD	COAL	2.5	872.0	
-1040.0	BASE OF PENN.		UNCLASSIFIED	-	1532.0	

MAPID: 02500507000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.619437 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.868549 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 492.0 **LOGGED (FT.):** 2323.0 **LOG TYPE:**
SOURCE: TEXAS CO, RUSH I J 2B **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-19.0	BOND	CARTHAGE	LIMESTONE	-	511.0	
-339.0	CARBONDALE	HERRIN	COAL	-	831.0	

MAPID: 02500508000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.628871 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.862993 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, WOOLRGE L 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-36.0	BOND	CARTHAGE	LIMESTONE	-	565.0	
-211.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	740.0	
-354.0	CARBONDALE	HERRIN	COAL	-	883.0	
-393.0	CARBONDALE	SPRINGFIELD	COAL	2.5	922.0	
-1045.0	BASE OF PENN.		UNCLASSIFIED	-	1574.0	

MAPID: 02500508000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.628871 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.862993 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2156.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, WOOLRGE L 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-36.0	BOND	CARTHAGE	LIMESTONE	-	565.0
-354.0	CARBONDALE	HERRIN	COAL	-	883.0

MAPID: 02500022000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.617124 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.864887 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: MINERVA OC, SMITH JOHN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-26.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-217.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	744.0
-340.0	CARBONDALE	HERRIN	COAL	1.0	867.0
-388.0	CARBONDALE	SPRINGFIELD	COAL	1.0	915.0
-1063.0	BASE OF PENN.		UNCLASSIFIED	-	1590.0

MAPID: 02500022000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.617124 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.864887 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2469.0 **LOG TYPE:**
SOURCE: MINERVA OC, SMITH JOHN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-26.0	BOND	CARTHAGE	LIMESTONE	-	553.0
-340.0	CARBONDALE	HERRIN	COAL	1.0	867.0

MAPID: 02500030000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.610112 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.866741 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 479.0 **LOGGED (FT.):** 4790.0 **LOG TYPE:**
SOURCE: NAT PET, SMITH JOHN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-39.0	BOND	CARTHAGE	LIMESTONE	-	518.0	
-233.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	712.0	
-359.0	CARBONDALE	HERRIN	COAL	-	838.0	
-401.0	CARBONDALE	SPRINGFIELD	COAL	-	880.0	
-1199.0	BASE OF PENN.		UNCLASSIFIED	-	1678.0	

MAPID: 02500030000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.610112 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.866741 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 479.0 **LOGGED (FT.):** 2341.0 **LOG TYPE:**
SOURCE: NAT PET, SMITH JOHN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-39.0	BOND	CARTHAGE	LIMESTONE	-	518.0	
-359.0	CARBONDALE	HERRIN	COAL	-	838.0	

MAPID: 02500030000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.610112 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.866741 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 479.0 **LOGGED (FT.):** 885.0 **LOG TYPE:** Electric Log
SOURCE: NATIONAL PETROLEUM CORP. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-41.0	BOND	CARTHAGE	LIMESTONE	-	520.0	
-357.0	CARBONDALE	HERRIN	COAL	-	836.0	
-403.0	CARBONDALE	SPRINGFIELD	COAL	3.0	882.0	ROOF: 2SH

MAPID: 02500030000C **VERSION:** 4 **PROJECT:** CONTROL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.610112 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.866741 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2341.0 **LOG TYPE:** Survey Sample Study
SOURCE: NATIONAL PETROLEUM CORP. **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: 02500360000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.61714 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.863051 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: WILLIAMS H, SMITH JOHN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	BOND	CARTHAGE	LIMESTONE	-	558.0	
-217.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	748.0	
-335.0	CARBONDALE	HERRIN	COAL	2.0	866.0	
-381.0	CARBONDALE	SPRINGFIELD	COAL	3.0	912.0	
-1159.0	BASE OF PENN.		UNCLASSIFIED	-	1690.0	

MAPID: 02500360000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.61714 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.863051 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 2358.0 **LOG TYPE:**
SOURCE: WILLIAMS H, SMITH JOHN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	BOND	CARTHAGE	LIMESTONE	-	558.0	
-335.0	CARBONDALE	HERRIN	COAL	2.0	866.0	

MAPID: 02500829000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.584419 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.861423 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 941.0 **LOG TYPE:** Electric Log
SOURCE: RICHEY ANCIL A **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-56.0	BOND	CARTHAGE	LIMESTONE	-	576.0	
-416.0	CARBONDALE	SPRINGFIELD	COAL	5.0	936.0	ROOF: 2SH

MAPID: 02500676000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.581942 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.848441 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 972.0 **LOG TYPE:** Electric Log
SOURCE: PARTLOW & COCHONOUR **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	614.0	
-	CARBONDALE	SPRINGFIELD	COAL	2.0	970.0	

MAPID: 02500023000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.603424 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.84465 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 5190.0 **LOG TYPE:**
SOURCE: KINGWD&GULF, DAVIS 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-71.0	BOND	CARTHAGE	LIMESTONE	-	590.0	
-261.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	780.0	
-393.0	CARBONDALE	HERRIN	COAL	-	912.0	
-441.0	CARBONDALE	SPRINGFIELD	COAL	2.5	960.0	
-1251.0	BASE OF PENN.		UNCLASSIFIED	-	1770.0	

MAPID: 02500023000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.603424 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.84465 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 2685.0 **LOG TYPE:**
SOURCE: KNGWD&GULF, DAVIS 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-71.0	BOND	CARTHAGE	LIMESTONE	-	590.0
-393.0	CARBONDALE	HERRIN	COAL	-	912.0

MAPID: 02500023000C **VERSION:** 3 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.603424 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.84465 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 963.0 **LOG TYPE:** Electric Log
SOURCE: KINGWOOD OIL CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-74.0	BOND	CARTHAGE	LIMESTONE	-	593.0
-441.0	CARBONDALE	SPRINGFIELD	COAL	3.0	960.0

MAPID: 02500024000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.626599 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.855654 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, LANDRETH O0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-219.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	750.0
-337.0	CARBONDALE	HERRIN	COAL	1.5	868.0
-384.0	CARBONDALE	SPRINGFIELD	COAL	3.0	915.0
-1089.0	BASE OF PENN.		UNCLASSIFIED	-	1620.0

MAPID: 02500024000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.626599 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.855654 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 2475.0 **LOG TYPE:**
SOURCE: MCBRIDEINC, LANDRETH O0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-31.0	BOND	CARTHAGE	LIMESTONE	-	562.0
-337.0	CARBONDALE	HERRIN	COAL	1.5	868.0

MAPID: 02500439000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.621903 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.855677 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: LUTTRELL H, LANDRETH O0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	566.0
-223.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	750.0
-341.0	CARBONDALE	HERRIN	COAL	2.5	868.0
-389.0	CARBONDALE	SPRINGFIELD	COAL	-	916.0
-1169.0	BASE OF PENN.		UNCLASSIFIED	-	1696.0

MAPID: 02500439000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.621903 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.855677 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2362.0 **LOG TYPE:**
SOURCE: LUTTRELL H, LANDRETH O0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-39.0	BOND	CARTHAGE	LIMESTONE	-	566.0
-341.0	CARBONDALE	HERRIN	COAL	2.5	868.0

MAPID: 02503710000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.636187 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.850006 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 534.0 LOGGED (FT.): 913.0 LOG TYPE: Electric Log
 SOURCE: MORAN, E. F., INC. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	565.0	
-376.0	CARBONDALE	SPRINGFIELD	COAL	3.0	910.0	ROOF: 2ST.D

MAPID: 02500078000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 28 QUARTERS/FOOTAGES: NE NW SW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.652664 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.84791 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 537.0 LOGGED (FT.): 5370.0 LOG TYPE:
 SOURCE: CORLEY E, PEMBERTN H0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-33.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-205.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	742.0	
-339.0	CARBONDALE	HERRIN	COAL	-	876.0	
-383.0	CARBONDALE	SPRINGFIELD	COAL	3.0	920.0	
-1063.0	BASE OF PENN.		UNCLASSIFIED	-	1600.0	

MAPID: 02500078000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 28 QUARTERS/FOOTAGES: NE NW SW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.652664 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.84791 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 537.0 LOGGED (FT.): 2608.0 LOG TYPE:
 SOURCE: CORLEY E, PEMBERTN H0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-33.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-339.0	CARBONDALE	HERRIN	COAL	-	876.0	

MAPID: 02500078000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 28 QUARTERS/FOOTAGES: NE NW SW
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.652664 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.84791 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 537.0 LOGGED (FT.): 923.0 LOG TYPE: Electric Log
 SOURCE: CORLEY EARL P WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-33.0	BOND	CARTHAGE	LIMESTONE	-	570.0	
-384.0	CARBONDALE	SPRINGFIELD	COAL	2.0	921.0	ROOF: 1'ST.D

MAPID: 02500542000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 31 QUARTERS/FOOTAGES: NW NW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.683667 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.832953 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 960.0 LOG TYPE: Electric Log
 SOURCE: DORAN PAUL EST WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-74.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-408.0	CARBONDALE	SPRINGFIELD	COAL	2.0	958.0	ROOF: 1'ST.D

MAPID: 02500542000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 31 QUARTERS/FOOTAGES: NW NW SE
 QUADRANGLE: OSKALOOSA LONGITUDE: -88.683667 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.832953 DATE COLLECTED: 0 / 0 / 1946
 SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 2754.0 LOG TYPE:
 SOURCE: DORAN PAUL, GUERRETTAZ 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-73.0	BOND	CARTHAGE	LIMESTONE	-	623.0	
-365.0	CARBONDALE	HERRIN	COAL	-	915.0	COAL ERODED OR ABSENT

MAPID: 02500543000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 32 **QUARTERS/FOOTAGES:** SW NE NW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.669028 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.838509 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 545.0 **LOGGED (FT.):** 2704.0 **LOG TYPE:**
SOURCE: BENNETT B, FRST ST BK 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	-	576.0	
-328.0	CARBONDALE	HERRIN	COAL	-	873.0	

MAPID: 02500544000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 32 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.666831 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.827541 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 2690.0 **LOG TYPE:**
SOURCE: DORAN PAUL, HAMLTN W N 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-34.0	BOND	CARTHAGE	LIMESTONE	-	571.0	
-339.0	CARBONDALE	HERRIN	COAL	-	876.0	COAL ERODED OR ABSENT

MAPID: 02500530000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: OSKALOOSA **LONGITUDE:** -88.64112 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.831495 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: NAT ASSOC, WILLIAMS H 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-368.0	CARBONDALE	HERRIN	COAL	-	900.0	
-1094.0	BASE OF PENN.		UNCLASSIFIED	-	1626.0	

MAPID: 02500530000C VERSION: 2

PROJECT: CIRC 164

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 33 QUARTERS/FOOTAGES: SW NE SE

QUADRANGLE: OSKALOOSA LONGITUDE: -88.64112 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.831495 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 2651.0 LOG TYPE:

SOURCE: NAT ASSOC, WILLAMS HG0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-70.0	BOND	CARTHAGE	LIMESTONE	-	602.0	

MAPID: 02500530000C VERSION: 3

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 33 QUARTERS/FOOTAGES: SW NE SE

QUADRANGLE: OSKALOOSA LONGITUDE: -88.64112 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.831495 DATE COLLECTED:

SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 950.0 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	
-72.0	BOND	CARTHAGE	LIMESTONE	-	604.0	
-416.0	CARBONDALE	SPRINGFIELD	COAL	2.0	948.0	

MAPID: 02501388000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 35 QUARTERS/FOOTAGES: 300' N line, 330' W line of NE NW

QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.612931 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.840993 DATE COLLECTED:

SURFACE ELEVATION (FT.): 517.0 LOGGED (FT.): 938.0 LOG TYPE: Electric Log

SOURCE: WHITE, IVAN WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-73.0	BOND	CARTHAGE	LIMESTONE	-	590.0	
-419.0	CARBONDALE	SPRINGFIELD	COAL	2.0	936.0	ROOF: 2ST.D

MAPID: 02503713000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 5E SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 330' W line of NW SE NW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.594088 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.837336 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 986.0 LOG TYPE: Electric Log
 SOURCE: RUDY JOHN W EST WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
-470.0	CARBONDALE	SPRINGFIELD	COAL	2.0	984.0	ROOF: 2SH

MAPID: 02500890000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE
 QUADRANGLE: EBERLE LONGITUDE: -88.475982 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.904695 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 1095.0 LOG TYPE: Electric Log
 SOURCE: GRUDNIK & LAUE WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
-138.0	BOND	CARTHAGE	LIMESTONE	-	667.0	
-519.0	CARBONDALE	HERRIN	COAL	-	1048.0	
-563.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1092.0	ROOF: 3ST.D

MAPID: 02501510000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW
 QUADRANGLE: EBERLE LONGITUDE: -88.499053 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.899581 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 1086.0 LOG TYPE: Electric Log
 SOURCE: SMITH A R & MILTON WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		
				UNIT	OVERBURDEN	COMMENT
-136.0	BOND	CARTHAGE	LIMESTONE	-	671.0	
-505.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-548.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1083.0	ROOF: 3ST.D

MAPID: 02501511000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 3 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SE
 QUADRANGLE: HORD LONGITUDE: -88.510543 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.899768 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 1080.0 LOG TYPE: Electric Log
 SOURCE: V S & S DRLG CO, INC WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-130.0	BOND	CARTHAGE	LIMESTONE	-	661.0	
-504.0	CARBONDALE	HERRIN	COAL	-	1035.0	
-545.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	ROOF: 3ST.D

MAPID: 02501014000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 4 QUARTERS/FOOTAGES: 990' N line, 890' E line
 QUADRANGLE: HORD LONGITUDE: -88.528745 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.911456 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 1044.0 LOG TYPE: Electric Log
 SOURCE: REYNOLDS EARL B WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-131.0	BOND	CARTHAGE	LIMESTONE	-	659.0	
-470.0	CARBONDALE	HERRIN	COAL	-	998.0	
-512.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1040.0	ROOF: 2ST.D

MAPID: 02500149000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 5 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: HORD LONGITUDE: -88.545535 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.900519 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 1004.0 LOG TYPE: Electric Log
 SOURCE: LYNN & WILLIAMS WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-109.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-439.0	CARBONDALE	HERRIN	COAL	-	960.0	
-479.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1000.0	ROOF: 2ST.D

MAPID: 02500149000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 5 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: HORD **LONGITUDE:** -88.545535 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.900519 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 5210.0 **LOG TYPE:**
SOURCE: LYNN&WLLMS, WITTE 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-109.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-440.0	CARBONDALE	HERRIN	COAL	2.0	961.0	
-1389.0	BASE OF PENN.		UNCLASSIFIED	-	1910.0	

MAPID: 02501498000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 9 **QUARTERS/FOOTAGES:** 330' N line, 375' W line of SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.52912 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.894607 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 1068.0 **LOG TYPE:** Electric Log
SOURCE: SMITH A R & MILTON **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-152.0	BOND	CARTHAGE	LIMESTONE	-	675.0	
-500.0	CARBONDALE	HERRIN	COAL	-	1023.0	
-542.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1065.0	ROOF: 3'ST.D

MAPID: 02501513000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' N line, 660' E line
QUADRANGLE: HORD **LONGITUDE:** -88.509399 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.89793 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 1070.0 **LOG TYPE:** Electric Log
SOURCE: SMITH A R & MILTON **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-128.0	BOND	CARTHAGE	LIMESTONE	-	655.0	
-500.0	CARBONDALE	HERRIN	COAL	-	1027.0	
-540.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1067.0	ROOF: 3'BK SH

MAPID: 02500133000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 6E

SECTION: 11

QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: HORD

LONGITUDE: -88.501346

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.897784

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 529.0

LOGGED (FT.): 5290.0

LOG TYPE:

SOURCE: RBNSN PUCK, BARNICK F 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-124.0	BOND	CARTHAGE	LIMESTONE	-	653.0	
-401.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	930.0	
-511.0	CARBONDALE	HERRIN	COAL	2.0	1040.0	
-555.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1084.0	
-1426.0	BASE OF PENN.		UNCLASSIFIED	-	1955.0	

MAPID: 02501424000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 6E

SECTION: 11

QUARTERS/FOOTAGES: 330' N line, 330' W line of NW

QUADRANGLE: HORD

LONGITUDE: -88.505902

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.897878

DATE COLLECTED:

SURFACE ELEVATION (FT.): 529.0

LOGGED (FT.): 1078.0

LOG TYPE: Electric Log

SOURCE: V S & S DRLG CO, INC

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	BOND	CARTHAGE	LIMESTONE	-	669.0	
-491.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-546.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1075.0	ROOF: 2ST.D

MAPID: 02501181000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 6E

SECTION: 12

QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.483072

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.891985

DATE COLLECTED:

SURFACE ELEVATION (FT.): 522.0

LOGGED (FT.): 1071.0

LOG TYPE: Electric Log

SOURCE: MCKINNEY, WILLARD

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-133.0	BOND	CARTHAGE	LIMESTONE	-	655.0	
-510.0	CARBONDALE	HERRIN	COAL	-	1032.0	
-545.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1067.0	

MAPID: 02503727000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.480964 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.871962 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 517.0 LOGGED (FT.): 1109.0 LOG TYPE: Electric Log
 SOURCE: REED O A WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-160.0	BOND	CARTHAGE	LIMESTONE	-	677.0	
-540.0	CARBONDALE	HERRIN	COAL	-	1057.0	
-588.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1105.0	ROOF: 2ST.D

MAPID: 02501391000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 14 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.494842 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.870086 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 1036.0 LOG TYPE: Electric Log
 SOURCE: MCBRIDE, W. C., INC. WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	BOND	CARTHAGE	LIMESTONE	-	635.0	
-495.0	CARBONDALE	HERRIN	COAL	-	990.0	
-537.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1032.0	ROOF: 1ST.D

MAPID: 02500788000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 15 QUARTERS/FOOTAGES: 330' N line, 660' W line of SW
 QUADRANGLE: HORD LONGITUDE: -88.523668 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.876182 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 1036.0 LOG TYPE: Electric Log
 SOURCE: MCCULLUM & KINCAID WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-124.0	BOND	CARTHAGE	LIMESTONE	-	638.0	
-471.0	CARBONDALE	HERRIN	COAL	-	985.0	
-518.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1032.0	ROOF: 1'SH, 3'ST.D

MAPID: 02501393000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 16 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.534276 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.870882 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 517.0 LOGGED (FT.): 1045.0 LOG TYPE: Electric Log
 SOURCE: ASHLAND OIL&REF. CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	BOND	CARTHAGE	LIMESTONE	-	657.0	
-479.0	CARBONDALE	HERRIN	COAL	-	996.0	
-523.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1040.0	ROOF: 4SH

MAPID: 02500134000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 17 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: HORD LONGITUDE: -88.545921 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.876765 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 522.0 LOGGED (FT.): 1016.0 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	
-103.0	BOND	CARTHAGE	LIMESTONE	-	625.0	
-438.0	CARBONDALE	HERRIN	COAL	-	960.0	
-490.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1012.0	ROOF: 3SH

MAPID: 02500134000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 17 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: HORD LONGITUDE: -88.545921 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.876765 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 522.0 LOGGED (FT.): 5220.0 LOG TYPE:
 SOURCE: NAT ASSOC, KINCAID O 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-102.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-284.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	806.0	
-442.0	CARBONDALE	HERRIN	COAL	1.0	964.0	
-488.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1010.0	
-1454.0	BASE OF PENN.		UNCLASSIFIED	-	1976.0	

MAPID: 02503745000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 18 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: HORD **LONGITUDE:** -88.569375 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.877452 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 466.0 **LOGGED (FT.):** 888.0 **LOG TYPE:** Electric Log
SOURCE: BLACK, J. L. OIL PROD. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-66.0	BOND	CARTHAGE	LIMESTONE	-	532.0	
-376.0	CARBONDALE	HERRIN	COAL	-	842.0	
-418.0	CARBONDALE	SPRINGFIELD	COAL	4.0	884.0	ROOF: 2ST.D

MAPID: 02501396000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE SE
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.529789 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.859837 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 1054.0 **LOG TYPE:** Electric Log
SOURCE: STAPP, JACK **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	670.0	
-	CARBONDALE	HERRIN	COAL	-	1008.0	
-	CARBONDALE	SPRINGFIELD	COAL	4.0	1050.0	

MAPID: 02501397000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 22 **QUARTERS/FOOTAGES:** 330' N line, 330' E line
QUADRANGLE: LOUISVILLE WEST **LONGITUDE:** -88.508827 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.868575 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 1059.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-132.0	BOND	CARTHAGE	LIMESTONE	-	653.0	
-489.0	CARBONDALE	HERRIN	COAL	-	1010.0	
-535.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1056.0	ROOF: 3ST.D

MAPID: 02503751000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 23 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.49958 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.862902 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 510.0 **LOGGED (FT.):** 1066.0 **LOG TYPE:** Electric Log
SOURCE: RICHARDSON, M. H. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-162.0	BOND	CARTHAGE	LIMESTONE	-	672.0	
-508.0	CARBONDALE	HERRIN	COAL	-	1018.0	
-552.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1062.0	ROOF: 5'BK SH

MAPID: 02500372000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 24 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.478807 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.857172 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 510.0 **LOGGED (FT.):** 5100.0 **LOG TYPE:**
SOURCE: WALL T E, MCGEE R 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	681.0	
-544.0	CARBONDALE	HERRIN	COAL	3.0	1054.0	
-593.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1103.0	
-1420.0	BASE OF PENN.		UNCLASSIFIED	-	1930.0	

MAPID: 02501120000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 24 **QUARTERS/FOOTAGES:** 990' S line, 330' W line of SE NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.474078 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.864598 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 516.0 **LOGGED (FT.):** 1093.0 **LOG TYPE:** Electric Log
SOURCE: MCCULLUM & KINCAID **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-154.0	BOND	CARTHAGE	LIMESTONE	-	670.0	
-529.0	CARBONDALE	HERRIN	COAL	-	1045.0	
-574.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1090.0	ROOF: 1'ST.D

MAPID: 02500135000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 6E

SECTION: 25

QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.471867

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.853392

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 510.0

LOGGED (FT.): 5100.0

LOG TYPE:

SOURCE: SOHIO PROD, BEHREN R C0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-191.0	BOND	CARTHAGE	LIMESTONE	-	701.0
-544.0	CARBONDALE	HERRIN	COAL	3.0	1054.0
-590.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1100.0
-1415.0	BASE OF PENN.		UNCLASSIFIED	-	1925.0

MAPID: 02500445000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 6E

SECTION: 25

QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.471751

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.842383

DATE COLLECTED:

SURFACE ELEVATION (FT.): 500.0

LOGGED (FT.): 1104.0

LOG TYPE: Electric Log

SOURCE: OBERING ERNEST A

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-200.0	BOND	CARTHAGE	LIMESTONE	-	700.0
-556.0	CARBONDALE	HERRIN	COAL	-	1056.0
-600.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1100.0

MAPID: 02500445000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 6E

SECTION: 25

QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: LOUISVILLE EAST

LONGITUDE: -88.471751

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.842383

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 500.0

LOGGED (FT.): 5000.0

LOG TYPE:

SOURCE: OBERING E, BEASLEY A 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-188.0	BOND	CARTHAGE	LIMESTONE	-	688.0
-555.0	CARBONDALE	HERRIN	COAL	3.0	1055.0
-600.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1100.0
-1438.0	BASE OF PENN.		UNCLASSIFIED	-	1938.0

MAPID: 02501399000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 26 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.50448 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.844612 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 1083.0 LOG TYPE: Electric Log
 SOURCE: WEBSTER & SHIRK WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-196.0	BOND	CARTHAGE	LIMESTONE	-	692.0	
-537.0	CARBONDALE	HERRIN	COAL	-	1033.0	
-584.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1080.0	ROOF: 2ST.D

MAPID: 02501400000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.513705 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.846665 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 486.0 LOGGED (FT.): 1051.0 LOG TYPE: Electric Log
 SOURCE: MAGNOLIA PETROLEUM WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-166.0	BOND	CARTHAGE	LIMESTONE	-	652.0	
-514.0	CARBONDALE	HERRIN	COAL	-	1000.0	
-561.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1047.0	ROOF: 3SH

MAPID: 02501641000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.529932 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.852511 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 1046.0 LOG TYPE: Electric Log
 SOURCE: DUNCAN, WALTER WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-485.0	CARBONDALE	HERRIN	COAL	-	995.0	
-533.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1043.0	ROOF: 1SH, 3ST.D

MAPID: 02501411000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 32 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.556187 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.833053 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 1000.0 LOG TYPE: Electric Log
 SOURCE: FULK OIL COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-126.0	BOND	CARTHAGE	LIMESTONE	-	594.0	
-471.0	CARBONDALE	HERRIN	COAL	-	939.0	
-528.0	CARBONDALE	SPRINGFIELD	COAL	4.0	996.0	ROOF: 3SH

MAPID: 02504690000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 33 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.535149 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.827107 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 1069.0 LOG TYPE: Electric Log
 SOURCE: CALVERT EASTERN DRLG. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	676.0	
-	CARBONDALE	HERRIN	COAL	-	1020.0	
-	CARBONDALE	SPRINGFIELD	COAL	4.0	1065.0	ROOF: 3SH

MAPID: 02503777000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 34 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE NE
 QUADRANGLE: LOUISVILLE WEST LONGITUDE: -88.511507 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.839211 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 508.0 LOGGED (FT.): 1073.0 LOG TYPE: Electric Log
 SOURCE: WEBSTER & SHIRK WELL TYPE: Producer-Oil
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-156.0	BOND	CARTHAGE	LIMESTONE	-	664.0	
-515.0	CARBONDALE	HERRIN	COAL	-	1023.0	
-562.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1070.0	ROOF: 2SH, 3ST.D

MAPID: 02500136000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 35 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.49544 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.833573 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 492.0 **LOGGED (FT.):** 4920.0 **LOG TYPE:**
SOURCE: EASON ETAL, MILLER A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-176.0	BOND	CARTHAGE	LIMESTONE	-	668.0
-536.0	CARBONDALE	HERRIN	COAL	2.0	1028.0
-578.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1070.0
-1426.0	BASE OF PENN.		UNCLASSIFIED	-	1918.0

MAPID: 02500137000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 35 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.493213 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.826326 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 500.0 **LOGGED (FT.):** 5000.0 **LOG TYPE:**
SOURCE: MAGNOLIA, GRAHN E H 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-160.0	BOND	CARTHAGE	LIMESTONE	-	660.0
-517.0	CARBONDALE	HERRIN	COAL	2.5	1017.0
-560.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1060.0
-1416.0	BASE OF PENN.		UNCLASSIFIED	-	1916.0

MAPID: 02500138000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 6E **SECTION:** 35 **QUARTERS/FOOTAGES:** SW SW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.497793 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.826363 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 465.0 **LOGGED (FT.):** 4650.0 **LOG TYPE:**
SOURCE: EASON OC, BARBEE R 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-173.0	BOND	CARTHAGE	LIMESTONE	-	638.0
-527.0	CARBONDALE	HERRIN	COAL	3.0	992.0
-573.0	CARBONDALE	SPRINGFIELD	COAL	-	1038.0
-1433.0	BASE OF PENN.		UNCLASSIFIED	-	1898.0

MAPID: 02503783000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.497761 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.828166 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 468.0 LOGGED (FT.): 1056.0 LOG TYPE: Electric Log
 SOURCE: WEBSTER DENZIL V WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	-	643.0	
-539.0	CARBONDALE	HERRIN	COAL	-	1007.0	
-584.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1052.0	ROOF: 2ST.D

MAPID: 02501043000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 6E SECTION: 36 QUARTERS/FOOTAGES: 990' S line, 660' W line of SE NW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.482585 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.835212 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 503.0 LOGGED (FT.): 1102.0 LOG TYPE: Electric Log
 SOURCE: FULK OIL COMPANY WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-202.0	BOND	CARTHAGE	LIMESTONE	-	705.0	
-551.0	CARBONDALE	HERRIN	COAL	-	1054.0	
-595.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1098.0	ROOF: 4SH

MAPID: 02500139000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 1 QUARTERS/FOOTAGES: NE NE NE
 QUADRANGLE: LATONA LONGITUDE: -88.36297 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.910047 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 5350.0 LOG TYPE:
 SOURCE: STOUT C E, PULLIAM L 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	706.0	
-359.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	894.0	
-563.0	CARBONDALE	HERRIN	COAL	3.0	1098.0	
-599.0	CARBONDALE	SPRINGFIELD	COAL	-	1134.0	
-1613.0	BASE OF PENN.		UNCLASSIFIED	-	2148.0	

MAPID: 02501402000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 1 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW SE

QUADRANGLE: LATONA LONGITUDE: -88.367551 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.899073 DATE COLLECTED:

SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 1128.0 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	
-189.0	BOND	CARTHAGE	LIMESTONE	-	685.0	
-583.0	CARBONDALE	HERRIN	COAL	-	1079.0	
-628.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1124.0	ROOF: 4SH

MAPID: 02501168000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 2 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE

QUADRANGLE: EBERLE LONGITUDE: -88.388896 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.910513 DATE COLLECTED:

SURFACE ELEVATION (FT.): 539.0 LOGGED (FT.): 1138.0 LOG TYPE: Electric Log

SOURCE: GULF OIL CORPORATION WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-172.0	BOND	CARTHAGE	LIMESTONE	-	711.0	
-556.0	CARBONDALE	HERRIN	COAL	-	1095.0	
-595.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1134.0	ROOF: 4ST.D

MAPID: 02500140000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 3 QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: EBERLE LONGITUDE: -88.416922 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.907443 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 539.0 LOGGED (FT.): 5390.0 LOG TYPE:

SOURCE: TEXAS CO, BLOEMKER M0005 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-545.0	CARBONDALE	HERRIN	COAL	3.0	1084.0	
-586.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1125.0	
-1414.0	BASE OF PENN.		UNCLASSIFIED	-	1953.0	

MAPID: 02500141000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 3

QUARTERS/FOOTAGES: SE NW NW

QUADRANGLE: EBERLE

LONGITUDE: -88.414601

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.909276

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 540.0

LOGGED (FT.): 5400.0

LOG TYPE:

SOURCE: DUNCAN W, BRINK R 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-162.0	BOND	CARTHAGE	LIMESTONE	-	702.0
-554.0	CARBONDALE	HERRIN	COAL	4.0	1094.0
-598.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1138.0
-1434.0	BASE OF PENN.		UNCLASSIFIED	-	1974.0

MAPID: 02500142000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 3

QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: EBERLE

LONGITUDE: -88.416904

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.910938

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 540.0

LOGGED (FT.): 5400.0

LOG TYPE:

SOURCE: DUNCAN W, BRINK R 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-156.0	BOND	CARTHAGE	LIMESTONE	-	696.0
-380.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	920.0
-546.0	CARBONDALE	HERRIN	COAL	3.0	1086.0
-587.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1127.0
-1425.0	BASE OF PENN.		UNCLASSIFIED	-	1965.0

MAPID: 02500143000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 3

QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.414618

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.902156

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 537.0

LOGGED (FT.): 5370.0

LOG TYPE:

SOURCE: TEXAS CO, BLMKR COMM0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-147.0	BOND	CARTHAGE	LIMESTONE	-	684.0
-333.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	870.0
-525.0	CARBONDALE	HERRIN	COAL	3.0	1062.0
-565.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1102.0
-1523.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0

MAPID: 02500144000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.416941 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.903895 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 5390.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLMKR COM 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-143.0	BOND	CARTHAGE	LIMESTONE	-	682.0	
-359.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	898.0	
-537.0	CARBONDALE	HERRIN	COAL	3.0	1076.0	
-578.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1117.0	
-1419.0	BASE OF PENN.		UNCLASSIFIED	-	1958.0	

MAPID: 02500145000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412285 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.907551 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 542.0 **LOGGED (FT.):** 5420.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLOEMKER M0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-168.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-388.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	930.0	
-563.0	CARBONDALE	HERRIN	COAL	3.0	1105.0	
-606.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1148.0	

MAPID: 02500146000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.41461 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.905717 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 5390.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLOEMKER M0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	-	696.0	
-551.0	CARBONDALE	HERRIN	COAL	3.0	1090.0	
-593.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1132.0	
-1431.0	BASE OF PENN.		UNCLASSIFIED	-	1970.0	

MAPID: 02500147000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.407647 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.907662 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: PURE OC, GREENLAW G0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-167.0	BOND	CARTHAGE	LIMESTONE	-	700.0	
-361.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	894.0	
-559.0	CARBONDALE	HERRIN	COAL	3.0	1092.0	
-599.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1132.0	
-1443.0	BASE OF PENN.		UNCLASSIFIED	-	1976.0	

MAPID: 02500148000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.41228 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.910867 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 5390.0 **LOG TYPE:**
SOURCE: TEXAS CO, NADLER C 0007 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	-	714.0	
-565.0	CARBONDALE	HERRIN	COAL	3.0	1104.0	
-609.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1148.0	
-1431.0	BASE OF PENN.		UNCLASSIFIED	-	1970.0	

MAPID: 02500342000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.409962 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.905812 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 534.0 **LOGGED (FT.):** 5340.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLOEMKER M0008 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.0	BOND	CARTHAGE	LIMESTONE	-	704.0	
-360.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	894.0	
-557.0	CARBONDALE	HERRIN	COAL	3.0	1091.0	
-600.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1134.0	
-1436.0	BASE OF PENN.		UNCLASSIFIED	-	1970.0	

MAPID: 02500343000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.409957 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.902228 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLMKR COMM0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-124.0	BOND	CARTHAGE	LIMESTONE	-	652.0	
-318.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	846.0	
-512.0	CARBONDALE	HERRIN	COAL	3.0	1040.0	
-548.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1076.0	
-1534.0	BASE OF PENN.		UNCLASSIFIED	-	2062.0	

MAPID: 02500381000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.407616 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.900464 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: OHIO OIL, WEBSTER BN0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-120.0	BOND	CARTHAGE	LIMESTONE	-	650.0	
-310.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	840.0	
-502.0	CARBONDALE	HERRIN	COAL	3.5	1032.0	
-540.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1070.0	
-1556.0	BASE OF PENN.		UNCLASSIFIED	-	2086.0	

MAPID: 02500402000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.40527 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.898686 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 5210.0 **LOG TYPE:**
SOURCE: OHIO OIL, WEBSTER B 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-116.0	BOND	CARTHAGE	LIMESTONE	-	637.0	
-309.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	830.0	
-505.0	CARBONDALE	HERRIN	COAL	4.5	1026.0	
-545.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1066.0	
-1567.0	BASE OF PENN.		UNCLASSIFIED	-	2088.0	

MAPID: 02500406000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NW SE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412288 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.900406 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: TEXAS CO, CHLDRS COM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-126.0	BOND	CARTHAGE	LIMESTONE	-	658.0
-310.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	842.0
-502.0	CARBONDALE	HERRIN	COAL	3.0	1034.0
-538.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1070.0
-1534.0	BASE OF PENN.		UNCLASSIFIED	-	2066.0

MAPID: 02500409000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.409948 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.898642 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 5180.0 **LOG TYPE:**
SOURCE: TEXAS CO, CHLDRS COM0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-105.0	BOND	CARTHAGE	LIMESTONE	-	623.0
-300.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	818.0
-491.0	CARBONDALE	HERRIN	COAL	4.0	1009.0
-528.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1046.0
-1542.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0

MAPID: 02500410000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE SW SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.41463 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.898595 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: TEXAS CO, CHLDRS COM0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-126.0	BOND	CARTHAGE	LIMESTONE	-	659.0
-317.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	850.0
-506.0	CARBONDALE	HERRIN	COAL	1.5	1039.0
-547.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1080.0
-1521.0	BASE OF PENN.		UNCLASSIFIED	-	2054.0

MAPID: 02500411000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 3

QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.40997

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.909399

DATE COLLECTED:

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 1362.0

LOG TYPE: Electric Log

SOURCE: TEXAS COMPANY, THE

WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-826.0	SPOON	SEELYVILLE	COAL	-	1362.0

MAPID: 02500411000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 3

QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.40997

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.909399

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 5360.0

LOG TYPE:

SOURCE: TEXAS CO, NADLER C 0008

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-170.0	BOND	CARTHAGE	LIMESTONE	-	706.0
-388.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	924.0
-559.0	CARBONDALE	HERRIN	COAL	3.0	1095.0
-596.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1132.0
-1438.0	BASE OF PENN.		UNCLASSIFIED	-	1974.0

MAPID: 02500446000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 3

QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.407609

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.898664

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 527.0

LOGGED (FT.): 5270.0

LOG TYPE:

SOURCE: OHIO OIL, WEBSTER 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-109.0	BOND	CARTHAGE	LIMESTONE	-	636.0
-303.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	830.0
-493.0	CARBONDALE	HERRIN	COAL	2.0	1020.0
-529.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1056.0
-1557.0	BASE OF PENN.		UNCLASSIFIED	-	2084.0

MAPID: 02500447000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412287 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.89862 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, CHLDRS COM0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-119.0	BOND	CARTHAGE	LIMESTONE	-	649.0	
-310.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	840.0	
-502.0	CARBONDALE	HERRIN	COAL	3.0	1032.0	
-538.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1068.0	
-1538.0	BASE OF PENN.		UNCLASSIFIED	-	2068.0	

MAPID: 02500448000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** NE SE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.409952 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.900434 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 5200.0 **LOG TYPE:**
SOURCE: TEXAS CO, CHLDRS COM0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-122.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-312.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	832.0	
-503.0	CARBONDALE	HERRIN	COAL	3.5	1023.0	
-542.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1062.0	
-1540.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0	

MAPID: 02503794000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 3 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412283 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.903962 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 1114.0 **LOG TYPE:** Electric Log
SOURCE: TEXACO, INC. **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	686.0	
-532.0	CARBONDALE	HERRIN	COAL	-	1067.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1110.0	ROOF: 1'SH, 5'ST.D

MAPID: 02500150000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.41926 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.905686 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 5390.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLOEMKER E0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-143.0	BOND	CARTHAGE	LIMESTONE	-	682.0
-534.0	CARBONDALE	HERRIN	COAL	4.0	1073.0
-573.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1112.0
-1424.0	BASE OF PENN.		UNCLASSIFIED	-	1963.0

MAPID: 02500151000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.419245 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.909234 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 541.0 **LOGGED (FT.):** 5410.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLOEMKER E0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-149.0	BOND	CARTHAGE	LIMESTONE	-	690.0
-354.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	895.0
-537.0	CARBONDALE	HERRIN	COAL	3.0	1078.0
-579.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1120.0
-1411.0	BASE OF PENN.		UNCLASSIFIED	-	1952.0

MAPID: 02500152000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.423929 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.905857 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 5390.0 **LOG TYPE:**
SOURCE: TEXAS CO, BLOEMKER M0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-126.0	BOND	CARTHAGE	LIMESTONE	-	665.0
-519.0	CARBONDALE	HERRIN	COAL	3.0	1058.0
-560.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1099.0
-1386.0	BASE OF PENN.		UNCLASSIFIED	-	1925.0

MAPID: 02500153000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 4 QUARTERS/FOOTAGES: NW SW NE
 QUADRANGLE: EBERLE LONGITUDE: -88.426271 GEOLOGIST: C TREWORYG
 CONFIDENTIAL: N LATITUDE: 38.907736 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 538.0 LOGGED (FT.): 1118.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Water Injection
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	BOND	CARTHAGE	LIMESTONE	-	678.0	
-535.0	CARBONDALE	HERRIN	COAL	-	1073.0	
-576.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1114.0	ROOF: 3SH

MAPID: 02500153000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 4 QUARTERS/FOOTAGES: NW SW NE
 QUADRANGLE: EBERLE LONGITUDE: -88.426271 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.907736 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 538.0 LOGGED (FT.): 5380.0 LOG TYPE:
 SOURCE: TEXAS CO, BLOEMKER M0002 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	BOND	CARTHAGE	LIMESTONE	-	678.0	
-344.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	882.0	
-534.0	CARBONDALE	HERRIN	COAL	2.5	1072.0	
-574.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1112.0	
-1396.0	BASE OF PENN.		UNCLASSIFIED	-	1934.0	

MAPID: 02500154000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 4 QUARTERS/FOOTAGES: SE NE SE
 QUADRANGLE: EBERLE LONGITUDE: -88.419275 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.902139 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 538.0 LOGGED (FT.): 5380.0 LOG TYPE:
 SOURCE: PURE OC, KLUTHE A H0004 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-138.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-366.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	904.0	
-525.0	CARBONDALE	HERRIN	COAL	4.0	1063.0	
-570.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1108.0	
-1522.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0	

MAPID: 02500155000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 4

QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.435495

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.900828

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 533.0

LOGGED (FT.): 5330.0

LOG TYPE:

SOURCE: TEXAS CO, NADLER CH 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-131.0	BOND	CARTHAGE	LIMESTONE	-	664.0
-527.0	CARBONDALE	HERRIN	COAL	1.5	1060.0
-571.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1104.0
-1499.0	BASE OF PENN.		UNCLASSIFIED	-	2032.0

MAPID: 02500156000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 4

QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.43556

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.904464

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 535.0

LOGGED (FT.): 5350.0

LOG TYPE:

SOURCE: TEXAS CO, NADLER CH 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-147.0	BOND	CARTHAGE	LIMESTONE	-	682.0
-545.0	CARBONDALE	HERRIN	COAL	3.0	1080.0
-587.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1122.0
-1392.0	BASE OF PENN.		UNCLASSIFIED	-	1927.0

MAPID: 02500157000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 4

QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.433152

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.898951

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 534.0

LOGGED (FT.): 5340.0

LOG TYPE:

SOURCE: PURE OC, NADLER CH 0004

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-105.0	BOND	CARTHAGE	LIMESTONE	-	639.0
-497.0	CARBONDALE	HERRIN	COAL	3.5	1031.0
-542.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1076.0
-1496.0	BASE OF PENN.		UNCLASSIFIED	-	2030.0

MAPID: 02500158000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 4

QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.433207

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.902574

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 539.0

LOGGED (FT.): 5390.0

LOG TYPE:

SOURCE: TEXAS CO, NADLER CH 0006

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-137.0	BOND	CARTHAGE	LIMESTONE	-	676.0
-375.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	914.0
-543.0	CARBONDALE	HERRIN	COAL	2.5	1082.0
-584.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1123.0

MAPID: 02500159000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 4

QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.428533

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.898831

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 534.0

LOGGED (FT.): 5340.0

LOG TYPE:

SOURCE: PURE OC, NADLER J 0004

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-104.0	BOND	CARTHAGE	LIMESTONE	-	638.0
-492.0	CARBONDALE	HERRIN	COAL	3.0	1026.0
-531.0	CARBONDALE	SPRINGFIELD	COAL	-	1065.0
-1506.0	BASE OF PENN.		UNCLASSIFIED	-	2040.0

MAPID: 02500160000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 4

QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.43095

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.90792

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 541.0

LOGGED (FT.): 5410.0

LOG TYPE:

SOURCE: OHIO OIL, POEHLER H 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-150.0	BOND	CARTHAGE	LIMESTONE	-	691.0
-365.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	906.0
-543.0	CARBONDALE	HERRIN	COAL	3.0	1084.0
-581.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1122.0
-1399.0	BASE OF PENN.		UNCLASSIFIED	-	1940.0

MAPID: 02500161000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.428594 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.906029 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 5370.0 **LOG TYPE:**
SOURCE: OHIO OIL, POEHLER H 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-143.0	BOND	CARTHAGE	LIMESTONE	-	680.0	
-357.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	894.0	
-541.0	CARBONDALE	HERRIN	COAL	2.5	1078.0	
-579.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1116.0	
-1383.0	BASE OF PENN.		UNCLASSIFIED	-	1920.0	

MAPID: 02500162000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.428624 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.909627 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 5400.0 **LOG TYPE:**
SOURCE: OHIO OIL, POEHLER H 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-364.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	904.0	
-544.0	CARBONDALE	HERRIN	COAL	3.0	1084.0	
-586.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1126.0	
-1394.0	BASE OF PENN.		UNCLASSIFIED	-	1934.0	

MAPID: 02500163000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** NW SW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.426231 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.900563 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 535.0 **LOGGED (FT.):** 5350.0 **LOG TYPE:**
SOURCE: DUNCAN W, VEITH L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-120.0	BOND	CARTHAGE	LIMESTONE	-	655.0	
-330.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	865.0	
-516.0	CARBONDALE	HERRIN	COAL	3.0	1051.0	
-558.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1093.0	
-1505.0	BASE OF PENN.		UNCLASSIFIED	-	2040.0	

MAPID: 02500164000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.437892 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.904508 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 534.0 **LOGGED (FT.):** 5340.0 **LOG TYPE:**
SOURCE: TEXAS CO, NADLER CH 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-150.0	BOND	CARTHAGE	LIMESTONE	-	684.0
-378.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	912.0
-543.0	CARBONDALE	HERRIN	COAL	3.0	1077.0
-587.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1121.0
-1386.0	BASE OF PENN.		UNCLASSIFIED	-	1920.0

MAPID: 02500165000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.442551 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.902712 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 5360.0 **LOG TYPE:**
SOURCE: TEXAS CO, NADLER CH 0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-150.0	BOND	CARTHAGE	LIMESTONE	-	686.0
-389.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	925.0
-542.0	CARBONDALE	HERRIN	COAL	3.0	1078.0
-588.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1124.0
-1398.0	BASE OF PENN.		UNCLASSIFIED	-	1934.0

MAPID: 02500166000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.44725 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.899151 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 532.0 **LOGGED (FT.):** 5320.0 **LOG TYPE:**
SOURCE: DUNCAN N&W, SCHNEIPP 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-128.0	BOND	CARTHAGE	LIMESTONE	-	660.0
-512.0	CARBONDALE	HERRIN	COAL	3.0	1044.0
-555.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1087.0
-1393.0	BASE OF PENN.		UNCLASSIFIED	-	1925.0

MAPID: 02500167000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.442535 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.900906 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 534.0 **LOGGED (FT.):** 5340.0 **LOG TYPE:**
SOURCE: PURE OC, STORCK M 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-121.0	BOND	CARTHAGE	LIMESTONE	-	655.0
-528.0	CARBONDALE	HERRIN	COAL	2.5	1062.0
-570.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1104.0

MAPID: 02500168000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.442578 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.906323 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 5360.0 **LOG TYPE:**
SOURCE: ILL PROD, VEITH L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-161.0	BOND	CARTHAGE	LIMESTONE	-	697.0
-542.0	CARBONDALE	HERRIN	COAL	2.0	1078.0
-581.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1117.0
-1397.0	BASE OF PENN.		UNCLASSIFIED	-	1933.0

MAPID: 02500199000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 5 **QUARTERS/FOOTAGES:** NW SE SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.440182 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.90089 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 1096.0 **LOG TYPE:** Electric Log
SOURCE: GULF REFINING CO. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-565.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1092.0

MAPID: 02500199000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 5

QUARTERS/FOOTAGES: NW SE SE

QUADRANGLE: EBERLE

LONGITUDE: -88.440182

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.90089

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 527.0

LOGGED (FT.): 5270.0

LOG TYPE:

SOURCE: GULF REF, STORCK M 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-131.0	BOND	CARTHAGE	LIMESTONE	-	658.0	
-519.0	CARBONDALE	HERRIN	COAL	-	1046.0	
-565.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1092.0	
-1498.0	BASE OF PENN.		UNCLASSIFIED	-	2025.0	

MAPID: 02500199000C VERSION: 3

PROJECT: CONTROL

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 5

QUARTERS/FOOTAGES: NW SE SE

QUADRANGLE: EBERLE

LONGITUDE: -88.440182

GEOLOGIST: HINES

CONFIDENTIAL: N

LATITUDE: 38.90089

DATE COLLECTED:

SURFACE ELEVATION (FT.):

LOGGED (FT.): 2819.0

LOG TYPE: Survey Sample Study

SOURCE: GULF REFINING CO.

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: 02503819000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 5

QUARTERS/FOOTAGES: 330' N line, 330' W line of SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.449541

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.908084

DATE COLLECTED:

SURFACE ELEVATION (FT.): 540.0

LOGGED (FT.): 1112.0

LOG TYPE: Electric Log

SOURCE: CENTRAL PIPELINE CO

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-158.0	BOND	CARTHAGE	LIMESTONE	-	698.0	
-527.0	CARBONDALE	HERRIN	COAL	-	1067.0	
-567.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1107.0	ROOF: 4SH

MAPID: 02501003000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 6 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE
 QUADRANGLE: EBERLE LONGITUDE: -88.463551 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.904982 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 1097.0 LOG TYPE: Electric Log
 SOURCE: HAMMER,A. J. & BREHM,C,E WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-152.0	BOND	CARTHAGE	LIMESTONE	-	680.0	
-517.0	CARBONDALE	HERRIN	COAL	-	1045.0	
-564.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1092.0	ROOF: 4SH

MAPID: 02500924000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 7 QUARTERS/FOOTAGES: NW NW
 QUADRANGLE: EBERLE LONGITUDE: -88.468387 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.897046 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 1093.0 LOG TYPE: Electric Log
 SOURCE: STORTZUM, PAUL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-514.0	CARBONDALE	HERRIN	COAL	-	1046.0	
-558.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1090.0	ROOF: 1'SH, 4ST.D

MAPID: 02500169000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 8 QUARTERS/FOOTAGES: NW NW NE
 QUADRANGLE: EBERLE LONGITUDE: -88.444885 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.89731 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 5320.0 LOG TYPE:
 SOURCE: CAMERON OC, LANDWEHR E0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-514.0	CARBONDALE	HERRIN	COAL	2.5	1046.0	
-560.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1092.0	
-1498.0	BASE OF PENN.		UNCLASSIFIED	-	2030.0	

MAPID: 02500170000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 8 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.440155 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.897251 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 5230.0 **LOG TYPE:**
SOURCE: CAMERON OC, LANDWEHR E0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-99.0	BOND	CARTHAGE	LIMESTONE	-	622.0
-496.0	CARBONDALE	HERRIN	COAL	3.0	1019.0
-537.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1060.0
-1497.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0

MAPID: 02500171000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 8 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.44489 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.893638 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 5230.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWEHR W0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-99.0	BOND	CARTHAGE	LIMESTONE	-	622.0
-505.0	CARBONDALE	HERRIN	COAL	3.0	1028.0
-554.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1077.0
-1517.0	BASE OF PENN.		UNCLASSIFIED	-	2040.0

MAPID: 02500172000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 8 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.440178 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.893574 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWHR WM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-85.0	BOND	CARTHAGE	LIMESTONE	-	616.0
-485.0	CARBONDALE	HERRIN	COAL	2.0	1016.0
-525.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1056.0
-1515.0	BASE OF PENN.		UNCLASSIFIED	-	2046.0

MAPID: 02500249000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 8

QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.444895

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.889967

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 526.0

LOGGED (FT.): 5260.0

LOG TYPE:

SOURCE: PURE OC, ZANDER L 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-99.0	BOND	CARTHAGE	LIMESTONE	-	625.0	
-484.0	CARBONDALE	HERRIN	COAL	3.0	1010.0	
-529.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1055.0	
-1568.0	BASE OF PENN.		UNCLASSIFIED	-	2094.0	

MAPID: 02500449000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 8

QUARTERS/FOOTAGES: SE SW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.442569

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.884421

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 524.0

LOGGED (FT.): 5240.0

LOG TYPE:

SOURCE: PURE OC, ZANDER L 0006

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-116.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-341.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	865.0	
-512.0	CARBONDALE	HERRIN	COAL	3.0	1036.0	
-556.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1080.0	
-1561.0	BASE OF PENN.		UNCLASSIFIED	-	2085.0	

MAPID: 02504271000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 8

QUARTERS/FOOTAGES: 1155' N line, 330' E line of NW

QUADRANGLE: EBERLE

LONGITUDE: -88.447233

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.895068

DATE COLLECTED:

SURFACE ELEVATION (FT.): 530.0

LOGGED (FT.): 1084.0

LOG TYPE: Electric Log

SOURCE: TEXACO, INC.

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-504.0	CARBONDALE	HERRIN	COAL	-	1034.0	
-549.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1079.0	ROOF: 5'SH

MAPID: 02500173000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.426226 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.896955 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 5360.0 **LOG TYPE:**
SOURCE: DUNCAN W, BEHREN R C0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-97.0	BOND	CARTHAGE	LIMESTONE	-	633.0	
-299.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	835.0	
-492.0	CARBONDALE	HERRIN	COAL	3.0	1028.0	
-534.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1070.0	
-1506.0	BASE OF PENN.		UNCLASSIFIED	-	2042.0	

MAPID: 02500174000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.435454 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.89718 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWEHR W0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-99.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-490.0	CARBONDALE	HERRIN	COAL	2.5	1021.0	
-531.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1062.0	
-1489.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0	

MAPID: 02500175000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.430838 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.897066 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 533.0 **LOGGED (FT.):** 5330.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWEHR W0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-97.0	BOND	CARTHAGE	LIMESTONE	-	630.0	
-483.0	CARBONDALE	HERRIN	COAL	3.0	1016.0	
-525.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1058.0	
-1499.0	BASE OF PENN.		UNCLASSIFIED	-	2032.0	

MAPID: 02500176000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.433165 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.895285 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWEHR W0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-91.0	BOND	CARTHAGE	LIMESTONE	-	622.0
-291.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	822.0
-483.0	CARBONDALE	HERRIN	COAL	3.0	1014.0
-523.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1054.0
-1503.0	BASE OF PENN.		UNCLASSIFIED	-	2034.0

MAPID: 02500177000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.435492 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.893498 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWHR WM0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-88.0	BOND	CARTHAGE	LIMESTONE	-	615.0
-301.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	828.0
-483.0	CARBONDALE	HERRIN	COAL	2.5	1010.0
-522.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1049.0
-1521.0	BASE OF PENN.		UNCLASSIFIED	-	2048.0

MAPID: 02500178000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.430879 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.893389 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWHR WM0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-100.0	BOND	CARTHAGE	LIMESTONE	-	630.0
-481.0	CARBONDALE	HERRIN	COAL	3.5	1011.0
-520.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1050.0
-1536.0	BASE OF PENN.		UNCLASSIFIED	-	2066.0

MAPID: 02500179000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.433202 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.891605 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 524.0 **LOGGED (FT.):** 5240.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWHR WM0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-99.0	BOND	CARTHAGE	LIMESTONE	-	623.0
-481.0	CARBONDALE	HERRIN	COAL	3.0	1005.0
-521.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1045.0
-1547.0	BASE OF PENN.		UNCLASSIFIED	-	2071.0

MAPID: 02500180000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.435529 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.889818 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: KINGWOODOC, LEWIS A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-108.0	BOND	CARTHAGE	LIMESTONE	-	639.0
-304.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	835.0
-489.0	CARBONDALE	HERRIN	COAL	3.0	1020.0
-529.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1060.0
-1555.0	BASE OF PENN.		UNCLASSIFIED	-	2086.0

MAPID: 02500181000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.435567 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.886138 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 5260.0 **LOG TYPE:**
SOURCE: KINGWOODOC, LEWIS A 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-104.0	BOND	CARTHAGE	LIMESTONE	-	630.0
-505.0	CARBONDALE	HERRIN	COAL	3.0	1031.0
-544.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1070.0
-1556.0	BASE OF PENN.		UNCLASSIFIED	-	2082.0

MAPID: 02500182000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.43324

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.887925

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 527.0

LOGGED (FT.): 5270.0

LOG TYPE:

SOURCE: KINGWOODOC, LEWIS A 0003

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-101.0	BOND	CARTHAGE	LIMESTONE	-	628.0
-501.0	CARBONDALE	HERRIN	COAL	2.5	1028.0
-543.0	CARBONDALE	SPRINGFIELD	COAL	-	1070.0
-1563.0	BASE OF PENN.		UNCLASSIFIED	-	2090.0

MAPID: 02500183000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.430917

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.889709

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 527.0

LOGGED (FT.): 5270.0

LOG TYPE:

SOURCE: DUNCAN W, LEWIS H D 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-109.0	BOND	CARTHAGE	LIMESTONE	-	636.0
-488.0	CARBONDALE	HERRIN	COAL	3.0	1015.0
-529.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1056.0
-1535.0	BASE OF PENN.		UNCLASSIFIED	-	2062.0

MAPID: 02500184000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.430955

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.886032

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 529.0

LOGGED (FT.): 5290.0

LOG TYPE:

SOURCE: DUNCAN W, LEWIS H D 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-105.0	BOND	CARTHAGE	LIMESTONE	-	634.0
-497.0	CARBONDALE	HERRIN	COAL	2.0	1026.0
-541.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1070.0
-1554.0	BASE OF PENN.		UNCLASSIFIED	-	2083.0

MAPID: 02500185000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.426267

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.893277

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 530.0

LOGGED (FT.): 5300.0

LOG TYPE:

SOURCE: TEXAS CO, MASHER H 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-115.0	BOND	CARTHAGE	LIMESTONE	-	645.0
-496.0	CARBONDALE	HERRIN	COAL	3.0	1026.0
-538.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1068.0
-1550.0	BASE OF PENN.		UNCLASSIFIED	-	2080.0

MAPID: 02500382000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.423999

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.889546

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 528.0

LOGGED (FT.): 5280.0

LOG TYPE:

SOURCE: LEWIS S, HALL B 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-106.0	BOND	CARTHAGE	LIMESTONE	-	634.0
-303.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	831.0
-496.0	CARBONDALE	HERRIN	COAL	4.0	1024.0
-535.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1063.0
-1550.0	BASE OF PENN.		UNCLASSIFIED	-	2078.0

MAPID: 02500383000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.426343

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.885923

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 524.0

LOGGED (FT.): 5240.0

LOG TYPE:

SOURCE: LEWIS S, WEBSTR CON0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-108.0	BOND	CARTHAGE	LIMESTONE	-	632.0
-312.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	836.0
-502.0	CARBONDALE	HERRIN	COAL	3.0	1026.0
-544.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1068.0
-1566.0	BASE OF PENN.		UNCLASSIFIED	-	2090.0

MAPID: 02500407000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.42859 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.891493 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWHR WM0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-113.0	BOND	CARTHAGE	LIMESTONE	-	643.0
-292.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	822.0
-488.0	CARBONDALE	HERRIN	COAL	3.5	1018.0
-528.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1058.0
-1552.0	BASE OF PENN.		UNCLASSIFIED	-	2082.0

MAPID: 02500412000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.426322 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.887762 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: LEWIS ETAL, HALL B 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-111.0	BOND	CARTHAGE	LIMESTONE	-	638.0
-313.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	840.0
-495.0	CARBONDALE	HERRIN	COAL	3.0	1022.0
-535.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1062.0
-1555.0	BASE OF PENN.		UNCLASSIFIED	-	2082.0

MAPID: 02500450000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.428553 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.895173 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 531.0 **LOGGED (FT.):** 5310.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWEHR W0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-101.0	BOND	CARTHAGE	LIMESTONE	-	632.0
-299.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	830.0
-485.0	CARBONDALE	HERRIN	COAL	4.0	1016.0
-527.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1058.0
-1509.0	BASE OF PENN.		UNCLASSIFIED	-	2040.0

MAPID: 02500451000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: SW NE SE

QUADRANGLE: EBERLE

LONGITUDE: -88.421714

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.887656

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 526.0

LOGGED (FT.): 5260.0

LOG TYPE:

SOURCE: GULF REF, HALL B 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-124.0	BOND	CARTHAGE	LIMESTONE	-	650.0
-502.0	CARBONDALE	HERRIN	COAL	2.5	1028.0
-546.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1072.0
-1570.0	BASE OF PENN.		UNCLASSIFIED	-	2096.0

MAPID: 02500452000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.423978

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.891384

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 527.0

LOGGED (FT.): 5270.0

LOG TYPE:

SOURCE: TEXAS CO, MASHER H 0002

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-104.0	BOND	CARTHAGE	LIMESTONE	-	631.0
-501.0	CARBONDALE	HERRIN	COAL	3.0	1028.0
-544.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1071.0
-1571.0	BASE OF PENN.		UNCLASSIFIED	-	2098.0

MAPID: 02500453000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 9

QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.430896

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.89155

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 527.0

LOGGED (FT.): 5270.0

LOG TYPE:

SOURCE: TEXAS CO, LANDWHR WM0007

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-103.0	BOND	CARTHAGE	LIMESTONE	-	630.0
-293.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	820.0
-484.0	CARBONDALE	HERRIN	COAL	3.5	1011.0
-529.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1056.0
-1533.0	BASE OF PENN.		UNCLASSIFIED	-	2060.0

MAPID: 02500454000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.426284 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.891439 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: TEXAS CO, MASHER H 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-102.0	BOND	CARTHAGE	LIMESTONE	-	630.0
-498.0	CARBONDALE	HERRIN	COAL	3.0	1026.0
-540.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1068.0
-1557.0	BASE OF PENN.		UNCLASSIFIED	-	2085.0

MAPID: 02500455000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.435509 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.891659 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 5260.0 **LOG TYPE:**
SOURCE: TEXAS CO, LANDWHR WM0008 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-103.0	BOND	CARTHAGE	LIMESTONE	-	629.0
-306.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	832.0
-485.0	CARBONDALE	HERRIN	COAL	3.5	1011.0
-528.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1054.0
-1539.0	BASE OF PENN.		UNCLASSIFIED	-	2065.0

MAPID: 02500456000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** SW SE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.421672 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.89133 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 5200.0 **LOG TYPE:**
SOURCE: TEXAS CO, MASHER H 0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-111.0	BOND	CARTHAGE	LIMESTONE	-	631.0
-497.0	CARBONDALE	HERRIN	COAL	3.5	1017.0
-537.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1057.0
-1566.0	BASE OF PENN.		UNCLASSIFIED	-	2086.0

MAPID: 02500457000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.433223 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.889763 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 5290.0 **LOG TYPE:**
SOURCE: KINGWOODOC, LEWIS A 0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	639.0	
-305.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	834.0	
-483.0	CARBONDALE	HERRIN	COAL	3.0	1012.0	
-528.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1057.0	
-1545.0	BASE OF PENN.		UNCLASSIFIED	-	2074.0	

MAPID: 02500458000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NE SW SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.433261 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.886084 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 5270.0 **LOG TYPE:**
SOURCE: KINGWOODOC, LEWIS A 0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-101.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-496.0	CARBONDALE	HERRIN	COAL	3.0	1023.0	
-541.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1068.0	
-1549.0	BASE OF PENN.		UNCLASSIFIED	-	2076.0	

MAPID: 02500467000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 9 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.419387 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.889437 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 5260.0 **LOG TYPE:**
SOURCE: GULF REF, HALL B 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-113.0	BOND	CARTHAGE	LIMESTONE	-	639.0	
-497.0	CARBONDALE	HERRIN	COAL	4.0	1023.0	
-537.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1063.0	
-1562.0	BASE OF PENN.		UNCLASSIFIED	-	2088.0	

MAPID: 02503855000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 9 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE
 QUADRANGLE: EBERLE LONGITUDE: -88.426232 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.895108 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 1071.0 LOG TYPE: Electric Log
 SOURCE: DUNCAN, WALTER WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	BOND	CARTHAGE	LIMESTONE	-	644.0	
-	CARBONDALE	HERRIN	COAL	-	1026.0	
-	CARBONDALE	SPRINGFIELD	COAL	5.0	1066.0	ROOF: 4SH

MAPID: 02500384000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 10 QUARTERS/FOOTAGES: NW NW NW
 QUADRANGLE: EBERLE LONGITUDE: -88.416983 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.896767 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 534.0 LOGGED (FT.): 5340.0 LOG TYPE:
 SOURCE: OHIO OIL, GHARST L 0002 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-126.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-320.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	854.0	
-514.0	CARBONDALE	HERRIN	COAL	3.0	1048.0	
-553.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1087.0	
-1532.0	BASE OF PENN.		UNCLASSIFIED	-	2066.0	

MAPID: 02500385000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 10 QUARTERS/FOOTAGES: SE NW NW
 QUADRANGLE: EBERLE LONGITUDE: -88.414661 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.894942 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 526.0 LOGGED (FT.): 5260.0 LOG TYPE:
 SOURCE: OHIO OIL, GHARST L 0003 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	636.0	
-305.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	831.0	
-498.0	CARBONDALE	HERRIN	COAL	3.0	1024.0	
-538.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1064.0	
-1557.0	BASE OF PENN.		UNCLASSIFIED	-	2083.0	

MAPID: 02500386000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.409976 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.894973 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 5180.0 **LOG TYPE:**
SOURCE: OHIO OIL, GHARST L 0004 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-106.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-302.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	820.0	
-492.0	CARBONDALE	HERRIN	COAL	3.0	1010.0	
-532.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1050.0	
-1572.0	BASE OF PENN.		UNCLASSIFIED	-	2090.0	

MAPID: 02500387000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412297 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.896803 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: OHIO OIL, GHARST L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-105.0	BOND	CARTHAGE	LIMESTONE	-	633.0	
-304.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	832.0	
-498.0	CARBONDALE	HERRIN	COAL	2.0	1026.0	
-536.0	CARBONDALE	SPRINGFIELD	COAL	1.0	1064.0	
-1567.0	BASE OF PENN.		UNCLASSIFIED	-	2095.0	

MAPID: 02500388000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.407616 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.896839 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 5190.0 **LOG TYPE:**
SOURCE: TEXAS CO, MCKNELLY G0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	629.0	
-307.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	826.0	
-497.0	CARBONDALE	HERRIN	COAL	3.0	1016.0	
-533.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1052.0	
-1571.0	BASE OF PENN.		UNCLASSIFIED	-	2090.0	

MAPID: 02500459000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412319 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.894959 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 526.0 **LOGGED (FT.):** 5260.0 **LOG TYPE:**
SOURCE: OHIO OIL, GHARST 0006 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-102.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-298.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	824.0	
-491.0	CARBONDALE	HERRIN	COAL	2.5	1017.0	
-530.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1056.0	
-1558.0	BASE OF PENN.		UNCLASSIFIED	-	2084.0	

MAPID: 02500460000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.417021 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.89309 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 5300.0 **LOG TYPE:**
SOURCE: TEXAS CO, STRUVE D 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-118.0	BOND	CARTHAGE	LIMESTONE	-	648.0	
-306.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	836.0	
-501.0	CARBONDALE	HERRIN	COAL	3.0	1031.0	
-540.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1070.0	
-1565.0	BASE OF PENN.		UNCLASSIFIED	-	2095.0	

MAPID: 02500461000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.409958 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.89682 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: OHIO OIL, GHARST L 0005 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-103.0	BOND	CARTHAGE	LIMESTONE	-	631.0	
-295.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	823.0	
-488.0	CARBONDALE	HERRIN	COAL	3.0	1016.0	
-524.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1052.0	

MAPID: 02500462000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.407716 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.887583 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 518.0 **LOGGED (FT.):** 5180.0 **LOG TYPE:**
SOURCE: TEXAS CO, MCKNELLY G0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-110.0	BOND	CARTHAGE	LIMESTONE	-	628.0	
-306.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	824.0	
-500.0	CARBONDALE	HERRIN	COAL	2.5	1018.0	
-536.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1054.0	
-1572.0	BASE OF PENN.		UNCLASSIFIED	-	2090.0	

MAPID: 02503873000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** W2 W2 SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.407723 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.886658 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 1318.0 **LOG TYPE:** Electric Log
SOURCE: GULF REFINING CO. **WELL TYPE:** Service Well
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-787.0	SPOON	SEELYVILLE	COAL	2.0	1316.0	

MAPID: 02504226000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412343 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.893126 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 1055.0 **LOG TYPE:** Electric Log
SOURCE: GULF OIL CORPORATION **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-105.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-492.0	CARBONDALE	HERRIN	COAL	-	1011.0	
-531.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1050.0	ROOF: 1'SH, 1'ST.D

MAPID: 02500186000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 11

QUARTERS/FOOTAGES: NW NW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.388759

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.896263

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 530.0

LOGGED (FT.): 5300.0

LOG TYPE:

SOURCE: OHIO OIL, MASHER C H0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	-	701.0	
-350.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	880.0	
-546.0	CARBONDALE	HERRIN	COAL	4.0	1076.0	
-583.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1113.0	
-1586.0	BASE OF PENN.		UNCLASSIFIED	-	2116.0	

MAPID: 02500961000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 11

QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.395941

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.887383

DATE COLLECTED:

SURFACE ELEVATION (FT.): 523.0

LOGGED (FT.): 1083.0

LOG TYPE: Electric Log

SOURCE: MCCULLUM & KINCAID

WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-140.0	BOND	CARTHAGE	LIMESTONE	-	663.0	
-517.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-556.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1079.0	ROOF: 4ST.D

MAPID: 02503888000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 11

QUARTERS/FOOTAGES: 330' S line, 330' E line of SE

QUADRANGLE: EBERLE

LONGITUDE: -88.381761

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.88296

DATE COLLECTED:

SURFACE ELEVATION (FT.): 521.0

LOGGED (FT.): 1365.0

LOG TYPE: Electric Log

SOURCE: SIMS HARVEY H

WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-839.0	SPOON	SEELYVILLE	COAL	5.0	1360.0	

MAPID: 02500531000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 12 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE
 QUADRANGLE: LATONA LONGITUDE: -88.369967 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.891805 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 534.0 LOGGED (FT.): 1158.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-169.0	BOND	CARTHAGE	LIMESTONE	-	703.0	
-570.0	CARBONDALE	HERRIN	COAL	-	1104.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1152.0	ROOF: 5SH

MAPID: 02500514000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 13 QUARTERS/FOOTAGES: SW SE SW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.374867 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.868148 DATE COLLECTED: 0 / 0 / 1945
 SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 5120.0 LOG TYPE:
 SOURCE: KINGWOODOC, FULK 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-212.0	BOND	CARTHAGE	LIMESTONE	-	724.0	
-582.0	CARBONDALE	HERRIN	COAL	3.0	1094.0	
-631.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1143.0	
-1446.0	BASE OF PENN.		UNCLASSIFIED	-	1958.0	

MAPID: 02500532000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 13 QUARTERS/FOOTAGES: NW SE SW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.374856 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.869978 DATE COLLECTED: 0 / 0 / 1946
 SURFACE ELEVATION (FT.): 516.0 LOGGED (FT.): 5160.0 LOG TYPE:
 SOURCE: KINGWOODOC, FULK 0004 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-200.0	BOND	CARTHAGE	LIMESTONE	-	716.0	
-571.0	CARBONDALE	HERRIN	COAL	-	1087.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	-	1136.0	
-1536.0	BASE OF PENN.		UNCLASSIFIED	-	2052.0	

MAPID: 02503892000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 13 QUARTERS/FOOTAGES: 330' N line, 330' E line of NE NE SW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.372485 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.873599 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 1131.0 LOG TYPE: Electric Log
 SOURCE: TEXACO, INC. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-195.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-567.0	CARBONDALE	HERRIN	COAL	-	1082.0	
-610.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1125.0	ROOF: 4SH

MAPID: 02503903000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE NW
 QUADRANGLE: LATONA LONGITUDE: -88.374829 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.875464 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 516.0 LOGGED (FT.): 1346.5 LOG TYPE: Electric Log
 SOURCE: YINGLING SAMUEL C WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-827.0	SPOON	SEELYVILLE	COAL	3.5	1343.0	

MAPID: 02500188000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 14 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.381914 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.868296 DATE COLLECTED: 0 / 0 / 1940
 SURFACE ELEVATION (FT.): 513.0 LOGGED (FT.): 5130.0 LOG TYPE:
 SOURCE: KINGWOODOC, WOLFE 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-186.0	BOND	CARTHAGE	LIMESTONE	-	699.0	
-562.0	CARBONDALE	HERRIN	COAL	3.0	1075.0	
-606.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1119.0	
-1497.0	BASE OF PENN.		UNCLASSIFIED	-	2010.0	

MAPID: 02503933000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.386534 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.877702 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 1143.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-198.0	BOND	CARTHAGE	LIMESTONE	-	717.0	
-570.0	CARBONDALE	HERRIN	COAL	-	1089.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1137.0	ROOF: SSH

MAPID: 02503934000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.38892 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.877819 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 1372.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	SPOON	SEELYVILLE	COAL	3.0	1369.0	

MAPID: 02500187000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** SE SW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.414631 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.876582 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 513.0 **LOGGED (FT.):** 5130.0 **LOG TYPE:**
SOURCE: PEARSON C, MURVIN 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-147.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-531.0	CARBONDALE	HERRIN	COAL	3.0	1044.0	
-572.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1085.0	
-1507.0	BASE OF PENN.		UNCLASSIFIED	-	2020.0	

MAPID: 02500652000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.407681 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.878378 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 1099.0 **LOG TYPE:** Electric Log
SOURCE: DUNCAN, WALTER **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-163.0	BOND	CARTHAGE	LIMESTONE	-	684.0	
-534.0	CARBONDALE	HERRIN	COAL	-	1055.0	
-574.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1095.0	ROOF: 1'SH, 5'ST.D

MAPID: 02500685000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 15 **QUARTERS/FOOTAGES:** 290' N line, 330' W line of SE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.403021 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.878466 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 515.0 **LOGGED (FT.):** 1298.5 **LOG TYPE:** Electric Log
SOURCE: DUNCAN, WALTER **WELL TYPE:** Water Injection
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-781.0	SPOON	SEELYVILLE	COAL	2.5	1296.0	

MAPID: 02500189000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.435593 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.882461 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 528.0 **LOGGED (FT.):** 5280.0 **LOG TYPE:**
SOURCE: KINGWOODOC, LEWIS H D 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-108.0	BOND	CARTHAGE	LIMESTONE	-	636.0	
-332.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	860.0	
-504.0	CARBONDALE	HERRIN	COAL	3.0	1032.0	
-548.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1076.0	
-1568.0	BASE OF PENN.		UNCLASSIFIED	-	2096.0	

MAPID: 02500408000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** NW SW NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.435588 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.878791 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 522.0 **LOGGED (FT.):** 5220.0 **LOG TYPE:**
SOURCE: TEXAS CO, WNTRWD COM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-118.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-513.0	CARBONDALE	HERRIN	COAL	2.5	1035.0	
-551.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1073.0	
-815.0	SPOON	SEELYVILLE	COAL	2.5	1337.0	

MAPID: 02503951000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.423986 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.878549 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 514.0 **LOGGED (FT.):** 1076.0 **LOG TYPE:** Electric Log
SOURCE: SKILES OIL CORP **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-146.0	BOND	CARTHAGE	LIMESTONE	-	660.0	
-518.0	CARBONDALE	HERRIN	COAL	-	1032.0	
-559.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1073.0	ROOF: 4SH

MAPID: 02500190000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.440239 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.878872 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 522.0 **LOGGED (FT.):** 5220.0 **LOG TYPE:**
SOURCE: KINGWOODOC, HALL E 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-107.0	BOND	CARTHAGE	LIMESTONE	-	629.0	
-522.0	CARBONDALE	HERRIN	COAL	3.0	1044.0	
-574.0	CARBONDALE	SPRINGFIELD	COAL	-	1096.0	
-1561.0	BASE OF PENN.		UNCLASSIFIED	-	2083.0	

MAPID: 02500191000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.437915 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.876999 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 521.0 **LOGGED (FT.):** 5210.0 **LOG TYPE:**
SOURCE: KINGWOODOC, HALL E 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-125.0	BOND	CARTHAGE	LIMESTONE	-	646.0	
-519.0	CARBONDALE	HERRIN	COAL	3.0	1040.0	
-562.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1083.0	

MAPID: 02500278000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.444887 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.873437 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 523.0 **LOGGED (FT.):** 5230.0 **LOG TYPE:**
SOURCE: KINGWOODOC, ZANDER L 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-117.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-529.0	CARBONDALE	HERRIN	COAL	2.5	1052.0	
-571.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1094.0	
-1559.0	BASE OF PENN.		UNCLASSIFIED	-	2082.0	

MAPID: 02500311000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE SW NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.442565 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.877074 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 519.0 **LOGGED (FT.):** 1066.0 **LOG TYPE:** Electric Log
SOURCE: KINGWOOD OIL CO **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-107.0	BOND	CARTHAGE	LIMESTONE	-	626.0	
-509.0	CARBONDALE	HERRIN	COAL	-	1028.0	
-543.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1062.0	ROOF: 6ST.D

MAPID: 02500311000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 17

QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.442565

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.877074

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 519.0

LOGGED (FT.): 5190.0

LOG TYPE:

SOURCE: KINGWOODOC, HALL E 00B1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-106.0	BOND	CARTHAGE	LIMESTONE	-	625.0
-509.0	CARBONDALE	HERRIN	COAL	3.0	1028.0
-553.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1072.0
-1561.0	BASE OF PENN.		UNCLASSIFIED	-	2080.0

MAPID: 02500413000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 17

QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.447228

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.880824

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 522.0

LOGGED (FT.): 5220.0

LOG TYPE:

SOURCE: TEXAS CO, RICHARS C 0001

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-118.0	BOND	CARTHAGE	LIMESTONE	-	640.0
-526.0	CARBONDALE	HERRIN	COAL	2.5	1048.0
-570.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1092.0
-1558.0	BASE OF PENN.		UNCLASSIFIED	-	2080.0

MAPID: 02500463000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY

TWP/RNG: 5N 7E

SECTION: 17

QUARTERS/FOOTAGES: SW NE NE

QUADRANGLE: EBERLE

LONGITUDE: -88.44024

GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N

LATITUDE: 38.880708

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 522.0

LOGGED (FT.): 5220.0

LOG TYPE:

SOURCE: PURE OC, ZANDER L 0005

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-112.0	BOND	CARTHAGE	LIMESTONE	-	634.0
-518.0	CARBONDALE	HERRIN	COAL	3.0	1040.0
-561.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1083.0
-1554.0	BASE OF PENN.		UNCLASSIFIED	-	2076.0

MAPID: 02503958000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 18 QUARTERS/FOOTAGES: 990' S line, 330' W line of NE

QUADRANGLE: EBERLE LONGITUDE: -88.463523 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.879314 DATE COLLECTED:

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 1080.0 LOG TYPE: Electric Log

SOURCE: ASHLAND OIL&REF. CO. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-122.0	BOND	CARTHAGE	LIMESTONE	-	643.0	
-511.0	CARBONDALE	HERRIN	COAL	-	1032.0	
-556.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1077.0	ROOF: 1'SH, 4'ST.D

MAPID: 02501141000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 19 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.463432 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.866426 DATE COLLECTED:

SURFACE ELEVATION (FT.): 516.0 LOGGED (FT.): 1085.0 LOG TYPE: Electric Log

SOURCE: FARRAR DRILLING CO WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-139.0	BOND	CARTHAGE	LIMESTONE	-	655.0	
-520.0	CARBONDALE	HERRIN	COAL	-	1036.0	
-566.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1082.0	ROOF: 2'SH, 3'ST.D

MAPID: 02500192000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 20 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.444849 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.860538 DATE COLLECTED:

SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 1087.0 LOG TYPE: Electric Log

SOURCE: KINGWOOD OIL CO WELL TYPE: Producer-Oil

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-138.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-522.0	CARBONDALE	HERRIN	COAL	-	1040.0	
-564.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1082.0	ROOF: 5'SH

MAPID: 02500192000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 20 QUARTERS/FOOTAGES: NW NW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.444849 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.860538 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 518.0 LOGGED (FT.): 5180.0 LOG TYPE:
 SOURCE: KINGWOODOC, ESSON 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-136.0	BOND	CARTHAGE	LIMESTONE	-	654.0
-521.0	CARBONDALE	HERRIN	COAL	2.5	1039.0
-562.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1080.0
-1408.0	BASE OF PENN.		UNCLASSIFIED	-	1926.0

MAPID: 02500194000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 20 QUARTERS/FOOTAGES: SE SE NW
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.447162 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.862422 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 514.0 LOGGED (FT.): 5140.0 LOG TYPE:
 SOURCE: SNCLR WYOM, HARDIN S S0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-122.0	BOND	CARTHAGE	LIMESTONE	-	636.0
-518.0	CARBONDALE	HERRIN	COAL	3.0	1032.0
-560.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1074.0
-1406.0	BASE OF PENN.		UNCLASSIFIED	-	1920.0

MAPID: 02500195000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 20 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.43794 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.86042 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 501.0 LOGGED (FT.): 1073.0 LOG TYPE: Electric Log
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-568.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1069.0

MAPID: 02500195000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 20 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.43794 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.86042 DATE COLLECTED: 0 / 0 / 1942
 SURFACE ELEVATION (FT.): 501.0 LOGGED (FT.): 5010.0 LOG TYPE:
 SOURCE: TEXAS CO, HARDIN A 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-133.0	BOND	CARTHAGE	LIMESTONE	-	634.0	
-522.0	CARBONDALE	HERRIN	COAL	3.0	1023.0	
-567.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1068.0	
-1431.0	BASE OF PENN.		UNCLASSIFIED	-	1932.0	

MAPID: 02500195000C VERSION: 3

PROJECT: CONTROL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 20 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.43794 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 38.86042 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 2882.0 LOG TYPE: Survey Sample Study
 SOURCE: TEXAS COMPANY, THE WELL TYPE: Oil and Gas Test
 COMMENT: OILWELLS LOGGED BY COAL SECT-LOGS IN GRU

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			NO RECORD	0.0	0.0	

MAPID: 02503968000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 21 QUARTERS/FOOTAGES: 1025' N line, 330' W line of SW NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.426104 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.862039 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 504.0 LOGGED (FT.): 1088.0 LOG TYPE: Electric Log
 SOURCE: RYAN OIL CO., ETAL WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-102.0	BOND	CARTHAGE	LIMESTONE	-	606.0	
-541.0	CARBONDALE	HERRIN	COAL	-	1045.0	
-580.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1084.0	ROOF: 2SH

MAPID: 02500196000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 22 **QUARTERS/FOOTAGES:** SW SW NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.407412 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.861849 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 515.0 **LOGGED (FT.):** 5150.0 **LOG TYPE:**
SOURCE: PHILLIPS, MURVIN J R0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-550.0	CARBONDALE	HERRIN	COAL	3.5	1065.0	
-594.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1109.0	
-1560.0	BASE OF PENN.		UNCLASSIFIED	-	2075.0	

MAPID: 02500464000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.405135 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.863658 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 511.0 **LOGGED (FT.):** 1106.0 **LOG TYPE:** Electric Log
SOURCE: DORAN & WIS OIL RFG **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-173.0	BOND	CARTHAGE	LIMESTONE	-	684.0	
-549.0	CARBONDALE	HERRIN	COAL	-	1060.0	
-590.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1101.0	ROOF: 3SH

MAPID: 02500464000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.405135 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.863658 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 511.0 **LOGGED (FT.):** 5110.0 **LOG TYPE:**
SOURCE: DORAN&WIS, MURVIN 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-173.0	BOND	CARTHAGE	LIMESTONE	-	684.0	
-548.0	CARBONDALE	HERRIN	COAL	2.5	1059.0	
-589.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1100.0	
-1569.0	BASE OF PENN.		UNCLASSIFIED	-	2080.0	

MAPID: 02500519000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.407388 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.860007 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 513.0 **LOGGED (FT.):** 5130.0 **LOG TYPE:**
SOURCE: LUTTRELL H, MURVIN J R0003 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-186.0	BOND	CARTHAGE	LIMESTONE	-	699.0	
-391.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	904.0	
-558.0	CARBONDALE	HERRIN	COAL	3.0	1071.0	
-600.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1113.0	
-1567.0	BASE OF PENN.		UNCLASSIFIED	-	2080.0	

MAPID: 02500533000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.402833 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.863625 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 511.0 **LOGGED (FT.):** 5110.0 **LOG TYPE:**
SOURCE: DORAN PAUL, MURVIN 0002 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-536.0	CARBONDALE	HERRIN	COAL	-	1047.0	
-1485.0	BASE OF PENN.		UNCLASSIFIED	-	1996.0	

MAPID: 02501480000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 23 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.386451 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.859358 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 499.0 **LOGGED (FT.):** 1110.0 **LOG TYPE:** Electric Log
SOURCE: GENTLES, ALBERT **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-185.0	BOND	CARTHAGE	LIMESTONE	-	684.0	
-562.0	CARBONDALE	HERRIN	COAL	-	1061.0	
-607.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1106.0	ROOF: 1'SH, 4'ST.D

MAPID: 02503977000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 23 QUARTERS/FOOTAGES: 330' N line, 330' E line of SW NE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.38651 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.863022 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 483.0 LOGGED (FT.): 1309.5 LOG TYPE: Electric Log
 SOURCE: SHULMAN BROS. INC. WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-823.0	SPOON	SEELYVILLE	COAL	3.5	1306.0	

MAPID: 02503981000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 24 QUARTERS/FOOTAGES: 330' S line, 350' E line of NE NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.372567 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.864464 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 507.0 LOGGED (FT.): 1378.5 LOG TYPE: Electric Log
 SOURCE: PROVIDENT OIL CO WELL TYPE: Service Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-868.0	SPOON	SEELYVILLE	COAL	3.5	1375.0	

MAPID: 02503984000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 24 QUARTERS/FOOTAGES: NW SW NE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.370156 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.862605 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 502.0 LOGGED (FT.): 1160.0 LOG TYPE: Electric Log
 SOURCE: PROVIDENT OIL CO WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-214.0	BOND	CARTHAGE	LIMESTONE	-	716.0	
-600.0	CARBONDALE	HERRIN	COAL	-	1102.0	
-652.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1154.0	ROOF: 3ST.D

MAPID: 02500614000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 25 QUARTERS/FOOTAGES: 370' S line, 330' W line of SE NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.374687 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.84631 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 462.0 LOGGED (FT.): 1099.0 LOG TYPE: Electric Log
 SOURCE: MURVIN & STEBER DRLG WELL TYPE: Plugged and/or Abandoned
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-199.0	BOND	CARTHAGE	LIMESTONE	-	661.0	
-580.0	CARBONDALE	HERRIN	COAL	-	1042.0	
-633.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1095.0	ROOF: 3ST.D

MAPID: 02500989000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 25 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW NE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.370095 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.849774 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 477.0 LOGGED (FT.): 1335.0 LOG TYPE: Electric Log
 SOURCE: ZINK JOHN WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-855.0	SPOON	SEELYVILLE	COAL	3.0	1332.0	

MAPID: 02504001000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 26 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE
 QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.386314 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.842877 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 503.0 LOGGED (FT.): 1141.0 LOG TYPE: Electric Log
 SOURCE: RUDY JOHN W EST WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-209.0	BOND	CARTHAGE	LIMESTONE	-	712.0	
-589.0	CARBONDALE	HERRIN	COAL	-	1092.0	
-633.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1136.0	ROOF: 4SH

MAPID: 02500197000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 27 QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.400366 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.846906 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 501.0 LOGGED (FT.): 5010.0 LOG TYPE:

SOURCE: BLACKETT H, HARMON A A0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-193.0	BOND	CARTHAGE	LIMESTONE	-	694.0	
-385.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	886.0	
-573.0	CARBONDALE	HERRIN	COAL	2.0	1074.0	
-615.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1116.0	
-1477.0	BASE OF PENN.		UNCLASSIFIED	-	1978.0	

MAPID: 02501490000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 27 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE NW

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.409588 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.848959 DATE COLLECTED:

SURFACE ELEVATION (FT.): 501.0 LOGGED (FT.): 1125.0 LOG TYPE: Electric Log

SOURCE: BLACK & BLACK OIL CO. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-198.0	BOND	CARTHAGE	LIMESTONE	-	699.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1070.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1121.0	ROOF: 3'SH

MAPID: 02501569000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 28 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW SW

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.435416 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 38.841788 DATE COLLECTED:

SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 1075.0 LOG TYPE: Electric Log

SOURCE: BLACK & BLACK OIL CO. WELL TYPE: Dry Hole

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-185.0	BOND	CARTHAGE	LIMESTONE	-	678.0	
-537.0	CARBONDALE	HERRIN	COAL	-	1030.0	
-578.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1071.0	ROOF: 4'SH

MAPID: 02500404000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 29 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.440232 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.853064 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 5040.0 **LOG TYPE:**
SOURCE: EASON OC, LEWIS W 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-139.0	BOND	CARTHAGE	LIMESTONE	-	643.0	
-518.0	CARBONDALE	HERRIN	COAL	3.0	1022.0	
-562.0	CARBONDALE	SPRINGFIELD	COAL	-	1066.0	
-1450.0	BASE OF PENN.		UNCLASSIFIED	-	1954.0	

MAPID: 02504014000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' S line, 330' E line of NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.447077 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.847648 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 505.0 **LOGGED (FT.):** 1079.0 **LOG TYPE:** Electric Log
SOURCE: DON TRADERS INC **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	-	656.0	
-522.0	CARBONDALE	HERRIN	COAL	-	1027.0	
-569.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1074.0	ROOF: 4SH

MAPID: 02500198000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE NE SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.465625 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.846039 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 5040.0 **LOG TYPE:**
SOURCE: OBERING E, MCGEE J H 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-183.0	BOND	CARTHAGE	LIMESTONE	-	687.0	
-386.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	890.0	
-534.0	CARBONDALE	HERRIN	COAL	3.0	1038.0	
-577.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1081.0	
-1426.0	BASE OF PENN.		UNCLASSIFIED	-	1930.0	

MAPID: 02500390000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 30 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.465623 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.847873 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 510.0 **LOGGED (FT.):** 5100.0 **LOG TYPE:**
SOURCE: TEXAS CO, BROOKS E 00A2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-184.0	BOND	CARTHAGE	LIMESTONE	-	694.0	
-538.0	CARBONDALE	HERRIN	COAL	2.0	1048.0	
-584.0	CARBONDALE	SPRINGFIELD	COAL	1.5	1094.0	
-1424.0	BASE OF PENN.		UNCLASSIFIED	-	1934.0	

MAPID: 02500405000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.460965 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.846042 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 5040.0 **LOG TYPE:**
SOURCE: TEXAS CO, BROOKS E 00A1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-166.0	BOND	CARTHAGE	LIMESTONE	-	670.0	
-532.0	CARBONDALE	HERRIN	COAL	2.0	1036.0	
-576.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1080.0	
-1426.0	BASE OF PENN.		UNCLASSIFIED	-	1930.0	

MAPID: 02500465000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.465618 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.849706 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 505.0 **LOGGED (FT.):** 1085.0 **LOG TYPE:** Electric Log
SOURCE: TEXAS COMPANY, THE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-169.0	BOND	CARTHAGE	LIMESTONE	-	674.0	
-532.0	CARBONDALE	HERRIN	COAL	-	1037.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1080.0	ROOF: 4SH

MAPID: 02500465000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 30 **QUARTERS/FOOTAGES:** NE SE NW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.465618 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.849706 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 507.0 **LOGGED (FT.):** 5070.0 **LOG TYPE:**
SOURCE: TEXAS CO, BROOKS E 00A3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-165.0	BOND	CARTHAGE	LIMESTONE	-	672.0	
-529.0	CARBONDALE	HERRIN	COAL	2.0	1036.0	
-571.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1078.0	
-1418.0	BASE OF PENN.		UNCLASSIFIED	-	1925.0	

MAPID: 02500466000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 30 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.463301 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.844208 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 5040.0 **LOG TYPE:**
SOURCE: TEXAS CO, BROOKS E 00A4 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-184.0	BOND	CARTHAGE	LIMESTONE	-	688.0	
-537.0	CARBONDALE	HERRIN	COAL	2.0	1041.0	
-582.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1086.0	
-1430.0	BASE OF PENN.		UNCLASSIFIED	-	1934.0	

MAPID: 02500200000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 32 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.447178 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.829181 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 498.0 **LOGGED (FT.):** 1056.0 **LOG TYPE:** Electric Log
SOURCE: THARPE & LANE **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-178.0	BOND	CARTHAGE	LIMESTONE	-	676.0	
-512.0	CARBONDALE	HERRIN	COAL	-	1010.0	
-554.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1052.0	ROOF: 3'SH

MAPID: 02500200000C **VERSION:** 2 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 32 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.447178 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.829181 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 498.0 **LOGGED (FT.):** 4980.0 **LOG TYPE:**
SOURCE: THARPE&LNE, MONICL COM0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-176.0	BOND	CARTHAGE	LIMESTONE	-	674.0	
-512.0	CARBONDALE	HERRIN	COAL	3.0	1010.0	
-552.0	CARBONDALE	SPRINGFIELD	COAL	-	1050.0	
-1552.0	BASE OF PENN.		UNCLASSIFIED	-	2050.0	

MAPID: 02504017000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.42611 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.830573 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 483.0 **LOGGED (FT.):** 1065.0 **LOG TYPE:** Electric Log
SOURCE: DUNCAN, N. V., EST. OF **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-176.0	BOND	CARTHAGE	LIMESTONE	-	659.0	
-537.0	CARBONDALE	HERRIN	COAL	-	1020.0	
-577.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1060.0	ROOF: 5SH

MAPID: 02504018000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 7E **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NE
QUADRANGLE: LOUISVILLE EAST **LONGITUDE:** -88.404925 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.83767 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 502.0 **LOGGED (FT.):** 1120.0 **LOG TYPE:** Electric Log
SOURCE: EASON OIL CO. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-206.0	BOND	CARTHAGE	LIMESTONE	-	708.0	
-569.0	CARBONDALE	HERRIN	COAL	-	1071.0	
-614.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1116.0	ROOF: 1'SH, 3'ST.D

MAPID: 02504028000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 35 QUARTERS/FOOTAGES: 330' S line, 660' W line of NE

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.387597 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.831749 DATE COLLECTED:

SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 1108.0 LOG TYPE: Electric Log

SOURCE: GRAHAM, HERMAN S. WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-210.0	BOND	CARTHAGE	LIMESTONE	-	700.0	
-572.0	CARBONDALE	HERRIN	COAL	-	1062.0	
-614.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1104.0	ROOF: 6SH

MAPID: 02500201000C VERSION: 1

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 36 QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: LOUISVILLE EAST LONGITUDE: -88.37953 GEOLOGIST: LOWENSTAM

CONFIDENTIAL: N LATITUDE: 38.827823 DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 4880.0 LOG TYPE:

SOURCE: LONGHRN&MA, HARMON J F0001 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-202.0	BOND	CARTHAGE	LIMESTONE	-	690.0	
-577.0	CARBONDALE	HERRIN	COAL	3.0	1065.0	
-622.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1110.0	

MAPID: 02504041000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 7E SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 330' W line of NE SW

QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.374811 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.829555 DATE COLLECTED:

SURFACE ELEVATION (FT.): 488.0 LOGGED (FT.): 1138.0 LOG TYPE: Electric Log

SOURCE: DAVIES NATHAN WELL TYPE: Plugged and/or Abandoned

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-220.0	BOND	CARTHAGE	LIMESTONE	-	708.0	
-600.0	CARBONDALE	HERRIN	COAL	-	1088.0	
-645.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1133.0	ROOF: 5SH

MAPID: 02500103000C **VERSION:** 1 **PROJECT:** RI 148
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 25 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.259981 **GEOLOGIST:** LOWENSTAM
CONFIDENTIAL: N **LATITUDE:** 38.846683 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 492.0 **LOGGED (FT.):** 4920.0 **LOG TYPE:**
SOURCE: FRAZR&SPED, WEBER A 0001 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-256.0	BOND	CARTHAGE	LIMESTONE	-	748.0	
-651.0	CARBONDALE	HERRIN	COAL	3.0	1143.0	
-692.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1184.0	
-1658.0	BASE OF PENN.		UNCLASSIFIED	-	2150.0	

MAPID: 02501405000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.276386 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.841843 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 489.0 **LOGGED (FT.):** 1441.5 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-949.0	SPOON	SEELYVILLE	COAL	3.5	1438.0	

MAPID: 02504042000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.266978 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.839637 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 460.0 **LOGGED (FT.):** 1147.0 **LOG TYPE:** Electric Log
SOURCE: BRUBECK, W. E. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-236.0	BOND	CARTHAGE	LIMESTONE	-	696.0	
-636.0	CARBONDALE	HERRIN	COAL	-	1096.0	
-682.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1142.0	ROOF: 2ST.D

MAPID: 02500389000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 27 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.297004 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.840763 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 1148.0 LOG TYPE: Electric Log
 SOURCE: MAGNOLIA PETROLEUM WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-250.0	BOND	CARTHAGE	LIMESTONE	-	730.0	
-624.0	CARBONDALE	HERRIN	COAL	-	1104.0	
-662.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1142.0	ROOF: 3ST.D

MAPID: 02500389000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 27 QUARTERS/FOOTAGES: NE NE SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.297004 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.840763 DATE COLLECTED: 0 / 0 / 1944
 SURFACE ELEVATION (FT.): 480.0 LOGGED (FT.): 4800.0 LOG TYPE:
 SOURCE: MAGNOLIA, IFFERT A 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-249.0	BOND	CARTHAGE	LIMESTONE	-	729.0	
-624.0	CARBONDALE	HERRIN	COAL	4.0	1104.0	
-660.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1140.0	
-1606.0	BASE OF PENN.		UNCLASSIFIED	-	2086.0	

MAPID: 02501484000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 28 QUARTERS/FOOTAGES: 330' S line, 330' E line of SW NE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.320084 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 38.843778 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 1206.0 LOG TYPE: Electric Log
 SOURCE: MARCH DRILLING CO. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-280.0	BOND	CARTHAGE	LIMESTONE	-	772.0	
-664.0	CARBONDALE	HERRIN	COAL	-	1156.0	
-710.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1202.0	ROOF: 5SH

MAPID: 02501614000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.34794 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.841338 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 1415.0 LOG TYPE: Electric Log
 SOURCE: STRICKLAND, FRANK L. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-916.0	SPOON	SEELYVILLE	COAL	3.0	1412.0	

MAPID: 02504163000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 29 QUARTERS/FOOTAGES: 330' S line, 528' E line of NE SW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.343922 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.841143 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 501.0 LOGGED (FT.): 1195.0 LOG TYPE: Drillers Log
 SOURCE: STEPHENS CHARLES WELL TYPE: Water Well
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-248.0	BOND	CARTHAGE	LIMESTONE	-	749.0	
-643.0	CARBONDALE	HERRIN	COAL	-	1144.0	
-689.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1190.0	

MAPID: 02501695000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 30 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.35731 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.84172 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 1145.0 LOG TYPE: Electric Log
 SOURCE: DAVIS C G WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-227.0	BOND	CARTHAGE	LIMESTONE	-	720.0	
-601.0	CARBONDALE	HERRIN	COAL	-	1094.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1141.0	ROOF: 1'SH, 4'ST.D

MAPID: 02501581000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.35266 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.836072 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 487.0 **LOGGED (FT.):** 1180.0 **LOG TYPE:** Electric Log
SOURCE: STRICKLAND, FRANK L. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-258.0	BOND	CARTHAGE	LIMESTONE	-	745.0	
-645.0	CARBONDALE	HERRIN	COAL	-	1132.0	
-688.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1175.0	ROOF: 6SH

MAPID: 02501890000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.333877 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.827887 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 488.0 **LOGGED (FT.):** 1166.0 **LOG TYPE:** Electric Log
SOURCE: TARTAN OIL COMPANY **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-237.0	BOND	CARTHAGE	LIMESTONE	-	725.0	
-622.0	CARBONDALE	HERRIN	COAL	-	1110.0	
-674.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1162.0	ROOF: 6SH

MAPID: 02500966000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.322436 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.829282 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 461.0 **LOGGED (FT.):** 1147.0 **LOG TYPE:** Electric Log
SOURCE: WREN WINIFRED D **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-255.0	BOND	CARTHAGE	LIMESTONE	-	716.0	
-639.0	CARBONDALE	HERRIN	COAL	-	1100.0	
-682.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1143.0	ROOF: 3ST.D

MAPID: 02500649000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NW
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.30863 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.834202 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 451.0 **LOGGED (FT.):** 1153.0 **LOG TYPE:** Electric Log
SOURCE: SUN DRLG CO **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-259.0	BOND	CARTHAGE	LIMESTONE	-	710.0	
-652.0	CARBONDALE	HERRIN	COAL	-	1103.0	
-698.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1149.0	ROOF: 1'ST.D

MAPID: 02501408000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.303959 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.821037 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 478.0 **LOGGED (FT.):** 1412.0 **LOG TYPE:** Electric Log
SOURCE: CALVERT DRILLING, INC. **WELL TYPE:** Dry Hole
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-934.0	SPOON	SEELYVILLE	COAL	-	1412.0	

MAPID: 02504045000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.285459 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.820168 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 472.0 **LOGGED (FT.):** 1348.0 **LOG TYPE:** Electric Log
SOURCE: GULF REFINING CO. **WELL TYPE:** Producer-Oil
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-873.0	SPOON	SEELYVILLE	COAL	3.0	1345.0	

MAPID: 02504048000C **VERSION:** 1 **PROJECT:** CGT-SCILL
COUNTY: CLAY **TWP/RNG:** 5N 8E **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE SE
QUADRANGLE: SAILOR SPRINGS **LONGITUDE:** -88.28092 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.821855 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 455.0 **LOGGED (FT.):** 1337.0 **LOG TYPE:** Electric Log
SOURCE: BREHM, C. E. DRLG.&PROD. **WELL TYPE:** Plugged and/or Abandoned
COMMENT:

MAPID: 02504049000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 35 QUARTERS/FOOTAGES: 330' N line, 330' W line of SW NE
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.285481 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.829407 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 471.0 LOGGED (FT.): 1167.0 LOG TYPE: Electric Log
 SOURCE: BREHM, C. E. DRLG.&PROD. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-250.0	BOND	CARTHAGE	LIMESTONE	-	721.0	
-644.0	CARBONDALE	HERRIN	COAL	-	1115.0	
-692.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1163.0	ROOF: 6SH

MAPID: 02500202000C VERSION: 1

PROJECT: CGT-SCILL

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 36 QUARTERS/FOOTAGES: SW SW NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.276363 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.827221 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 1157.0 LOG TYPE: Electric Log
 SOURCE: CANTERBURY, J. V. WELL TYPE: Dry Hole
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-267.0	BOND	CARTHAGE	LIMESTONE	-	728.0	
-645.0	CARBONDALE	HERRIN	COAL	-	1106.0	
-692.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1153.0	ROOF: 1'SH, 3'ST.D

MAPID: 02500202000C VERSION: 2

PROJECT: RI 148

COUNTY: CLAY TWP/RNG: 5N 8E SECTION: 36 QUARTERS/FOOTAGES: SW SW NW
 QUADRANGLE: SAILOR SPRINGS LONGITUDE: -88.276363 GEOLOGIST: LOWENSTAM
 CONFIDENTIAL: N LATITUDE: 38.827221 DATE COLLECTED: 0 / 0 / 1943
 SURFACE ELEVATION (FT.): 461.0 LOGGED (FT.): 4610.0 LOG TYPE:
 SOURCE: CANTRBRY J, KLINGER R 0001 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-268.0	BOND	CARTHAGE	LIMESTONE	-	729.0	
-645.0	CARBONDALE	HERRIN	COAL	3.0	1106.0	
-691.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1152.0	
-1669.0	BASE OF PENN.		UNCLASSIFIED	-	2130.0	