

Total Records: 303

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
Effingham	303	Electric Log	203	SPRINGFIELD	221	CARTHAGE LIMESTONE	268
		Nuclear Log	13	DANVILLE	201	SPRINGFIELD COAL	221
		Survey Sample Study	12	HOUCHIN CREEK	178	DANVILLE COAL	201

Data Summary

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

Tabulation of logged intervals only, individual logs will vary.

Depth and Thickness measurements in feet

Member	Lithology	Avg. Depth	Min. Depth	Max. Depth	Avg. Thk	Min. Thk	Max. Thk
SURVANT - UPPER		1277.5	1276.5	1278.5	1.3	1.0	1.5
SURVANT - LOWER		1306.3	1305.0	1307.5	0.9	0.8	1.0
FALMOUTH	SHALE	80.5	53.8	134.0	7.1	2.2	14.0
BOGOTA	LIMESTONE	144.5	106.0	194.0	1.3	0.5	2.0
INGRAHAM	SHALE	150.1	102.0	198.0	4.6	4.0	5.5
TROWBRIDGE	COAL	118.5	76.0	152.0	1.6	0.5	3.0
SHUMWAY	LIMESTONE	195.7	70.9	260.0	1.7	1.0	2.8
TEUTOPOLIS	SHALE	221.2	179.0	262.0	5.8	4.0	10.0
OMEGA	LIMESTONE	77.9	73.8	82.0	3.3	3.0	3.5
SHELBYVILLE	COAL	143.5	94.0	193.0	1.2	0.8	1.5
MILLERSVILLE	LIMESTONE	484.7	196.8	600.0	11.8	3.2	27.0
CARTHAGE	LIMESTONE	643.2	46.0	842.0	7.1	1.0	51.0
NEW HAVEN	COAL	736.3	709.0	790.0	2.3	0.5	5.0
CHAPEL	COAL	804.6	770.0	860.0	2.3	1.0	4.0
TRIVOLI	SANDSTONE	809.1	500.0	966.0	36.8	4.0	178.0
WEST FRANKLIN	LIMESTONE	824.7	530.0	1006.0	10.7	2.0	35.0
DANVILLE	COAL	973.3	637.0	1135.0	3.1	2.0	5.0
BANKSTON FORK	LIMESTONE	1074.8	996.5	1151.0	3.2	2.0	5.2
CONANT	LIMESTONE	1064.3	1060.0	1068.5	2.0	1.5	2.4
JAMESTOWN	COAL	1096.0	1066.0	1152.0	1.2	1.0	1.7
BRERETON	LIMESTONE	1080.8	1002.5	1156.0	5.8	2.5	12.7
ANNA	SHALE	1072.5	1007.0	1164.0	2.1	0.9	4.3
HERRIN	COAL	1002.0	740.0	1165.0	4.6	3.0	7.0
BRIAR HILL	COAL	1075.0	718.0	1195.0	2.3	1.2	4.0
ST. DAVID	LIMESTONE	1116.0	1036.0	1199.5	1.8	0.3	5.5
TURNER MINE	SHALE	1105.7	1037.0	1200.0	2.0	0.8	3.6
SPRINGFIELD	COAL	1032.3	689.0	1201.5	4.0	2.0	6.5
HANOVER	LIMESTONE	1199.3	1186.0	1212.5	1.3	1.0	1.5
EXCELLO	SHALE	1162.2	1115.0	1213.5	6.0	3.0	10.0
HOUCHIN CREEK	COAL	1082.1	723.0	1277.0	1.9	0.5	3.0

SURVANT	COAL	1290.0	1238.0	1342.0	2.0	2.0	2.0
MECCA QUARRY	SHALE	1272.5	1203.0	1342.0	3.2	3.0	3.5
COLCHESTER	COAL	1191.1	865.0	1405.0	2.2	0.1	3.0
PALZO	SANDSTONE	1356.6	1356.6	1356.6	8.4	8.4	8.4
SEELYVILLE	COAL	1301.9	1030.0	1424.5	6.1	3.0	7.7
				Net Coal	34.9		

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: 04900118000C VERSION: 1 PROJECT: CIRC 164
COUNTY: EFFINGHAM TWP/RNG: 6N 4E SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 330' E line
QUADRANGLE: LOOGOOTEE LONGITUDE: -88.750094 GEOLOGIST:
CONFIDENTIAL: N LATITUDE: 38.999755 DATE COLLECTED: 0 / 0 / 1947
SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 2422.0 LOG TYPE:
SOURCE: GULF REF, SIEGMAN WM 1 WELL TYPE: Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
30.0	BOND	CARTHAGE	LIMESTONE	-	572.0	
-218.0	CARBONDALE	HERRIN	COAL	-	820.0	COAL ERODED OR ABSENT

MAPID: 04900118000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 4E SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 330' E line
 QUADRANGLE: LOOGOOTE E LONGITUDE: -88.750094 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.999755 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 910.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
29.0	BOND	CARTHAGE	LIMESTONE	7.0	573.0
-143.0	MODESTO	WEST FRANKLIN	LIMESTONE	29.0	745.0
-244.0	CARBONDALE	SPRINGFIELD	COAL	3.0	846.0
-308.0	CARBONDALE	HOUCHIN CREEK	COAL	-	910.0

MAPID: 04900118000C VERSION: 3

PROJECT: CONTROL

COUNTY: EFFINGHAM TWP/RNG: 6N 4E SECTION: 4 QUARTERS/FOOTAGES: 330' N line, 330' E line
 QUADRANGLE: LOOGOOTE E LONGITUDE: -88.750094 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 38.999755 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 2422.0 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.)	
				UNIT	OVERBURDEN COMMENT
-			NO RECORD	0.0	0.0

MAPID: 04900427000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 4E SECTION: 11 QUARTERS/FOOTAGES: 330' N line, 330' E line of SE SE
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.712379 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.975531 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 544.0 LOGGED (FT.): 936.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-16.0	BOND	CARTHAGE	LIMESTONE	6.0	560.0
-195.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	739.0
-321.0	CARBONDALE	SPRINGFIELD	COAL	3.0	865.0
-392.0	CARBONDALE	HOUCHIN CREEK	COAL	-	936.0

MAPID: 04900062000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 6N 4E SECTION: 12 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.705351 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.979318 DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 577.0 LOGGED (FT.): 2460.0 LOG TYPE:

SOURCE: PAPOOSE OC, YINGST L 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
0.0	BOND	CARTHAGE	LIMESTONE	-	577.0	
-273.0	CARBONDALE	HERRIN	COAL	-	850.0	COAL ERODED OR ABSENT

MAPID: 04900119000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 6N 4E SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.709996 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.982792 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 2484.0 LOG TYPE:

SOURCE: DORAN PAUL, WHARTON G 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-9.0	BOND	CARTHAGE	LIMESTONE	-	584.0	
-282.0	CARBONDALE	HERRIN	COAL	-	857.0	COAL ERODED OR ABSENT

MAPID: 04900119000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 4E SECTION: 12 QUARTERS/FOOTAGES: 330' S line, 330' W line of NW SW NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.709996 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.982792 DATE COLLECTED:

SURFACE ELEVATION (FT.): 578.0 LOGGED (FT.): 950.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-10.0	BOND	CARTHAGE	LIMESTONE	6.0	588.0	
-208.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	786.0	
-306.0	CARBONDALE	SPRINGFIELD	COAL	3.0	884.0	SH OVER LS ROOF
-372.0	CARBONDALE	HOUCHIN CREEK	COAL	-	950.0	

MAPID: 04900428000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 12 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.703016 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.979363 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 570.0 **LOGGED (FT.):** 933.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
3.0	BOND	CARTHAGE	LIMESTONE	5.0	567.0	
-144.0	MODESTO	TRIVOLI	SANDSTONE	43.0	714.0	
-187.0	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	757.0	
-300.0	CARBONDALE	SPRINGFIELD	COAL	2.0	870.0	
-363.0	CARBONDALE	HOUCHIN CREEK	COAL	-	933.0	

MAPID: 04900567000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 12 **QUARTERS/FOOTAGES:** 660' N line, 557' W line of SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.699859 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.982105 **DATE COLLECTED:** 10 / 0 / 1960
SURFACE ELEVATION (FT.): 572.0 **LOGGED (FT.):** 1100.0 **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.)		COMMENT
				UNIT	OVERBURDEN	
-273.0	CARBONDALE	HERRIN	COAL	-	845.0	LITHOLOGY & CORRELATION UNCERTAIN
-528.0	CARBONDALE	COLCHESTER	COAL	-	1100.0	LITHOLOGY & CORRELATION UNCERTAIN

MAPID: 04900429000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 13 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.700944 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.964929 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 569.0 **LOGGED (FT.):** 969.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-8.0	BOND	CARTHAGE	LIMESTONE	6.0	577.0	
-119.0	MODESTO	TRIVOLI	SANDSTONE	84.0	688.0	
-203.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	772.0	
-333.0	CARBONDALE	SPRINGFIELD	COAL	4.0	902.0	SH & SS ROOF
-400.0	CARBONDALE	HOUCHIN CREEK	COAL	-	969.0	

MAPID: 04900053000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' S line, 330' E line
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.694497 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.930071 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 570.0 **LOGGED (FT.):** 2591.0 **LOG TYPE:**
SOURCE: KINGWOODOC, DANKS MAUD 1C **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-40.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-310.0	CARBONDALE	HERRIN	COAL	-	880.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 04900053000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' S line, 330' E line
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.694497 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.930071 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 570.0 **LOGGED (FT.):** 980.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-41.0	BOND	CARTHAGE	LIMESTONE	7.0	611.0	
-142.0	MODESTO	TRIVOLI	SANDSTONE	25.0	712.0	
-170.0	MODESTO	WEST FRANKLIN	LIMESTONE	23.0	740.0	
-348.0	CARBONDALE	SPRINGFIELD	COAL	2.5	918.0	SH & SS ROOF
-410.0	CARBONDALE	HOUCHIN CREEK	COAL	-	980.0	

MAPID: 04900120000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 27 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.748113 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.941603 **DATE COLLECTED:** 0 / 0 / 1939
SURFACE ELEVATION (FT.): 584.0 **LOGGED (FT.):** 2467.0 **LOG TYPE:**
SOURCE: KINGWOODOC, CASEY 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
27.0	BOND	CARTHAGE	LIMESTONE	-	557.0	
-253.0	CARBONDALE	HERRIN	COAL	-	837.0	COAL ERODED OR ABSENT

MAPID: 04900121000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' N line, 330' E line
QUADRANGLE: LOOGOOTE **LONGITUDE:** -88.78832 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.925885 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 2385.0 **LOG TYPE:**
SOURCE: NATION OIL CO., BERGMAN L 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	BOND	CARTHAGE	LIMESTONE	-	514.0	
-235.0	CARBONDALE	HERRIN	COAL	-	836.0	COAL ERODED OR ABSENT

MAPID: 04900121000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 4E **SECTION:** 31 **QUARTERS/FOOTAGES:** 330' N line, 330' E line
QUADRANGLE: LOOGOOTE **LONGITUDE:** -88.78832 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.925885 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 936.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
35.0	BOND	CARTHAGE	LIMESTONE	6.0	566.0	
-75.0	MODESTO	TRIVOLI	SANDSTONE	24.0	676.0	
-102.0	MODESTO	WEST FRANKLIN	LIMESTONE	22.0	703.0	
-267.0	CARBONDALE	SPRINGFIELD	COAL	4.0	868.0	SH & SS ROOF
-335.0	CARBONDALE	HOUCHIN CREEK	COAL	-	936.0	

MAPID: 04900430000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 1 **QUARTERS/FOOTAGES:** 990' N line, 330' E line of NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.593553 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.993205 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 487.0 **LOGGED (FT.):** 980.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-77.0	BOND	CARTHAGE	LIMESTONE	7.0	564.0	
-228.0	MODESTO	TRIVOLI	SANDSTONE	8.0	715.0	
-237.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	724.0	
-363.0	CARBONDALE	DANVILLE	COAL	-	850.0	
-423.0	CARBONDALE	SPRINGFIELD	COAL	-	910.0	SH & SS ROOF
-493.0	CARBONDALE	HOUCHIN CREEK	COAL	-	980.0	

MAPID: 04900059000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 2 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: HORD **LONGITUDE:** -88.607695 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.993127 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2520.0 **LOG TYPE:**
SOURCE: GIBSON ETL, BRUMMER 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-104.0	BOND	CARTHAGE	LIMESTONE	-	633.0	
-409.0	CARBONDALE	HERRIN	COAL	-	938.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 04900350000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NW NE
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.621676 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.000521 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 511.0 **LOGGED (FT.):** 1016.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-91.0	BOND	CARTHAGE	LIMESTONE	8.0	602.0	
-235.0	MODESTO	TRIVOLI	SANDSTONE	8.0	746.0	
-247.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	758.0	
-374.0	CARBONDALE	DANVILLE	COAL	2.0	885.0	
-419.0	CARBONDALE	BRIAR HILL	COAL	-	930.0	
-428.0	CARBONDALE	SPRINGFIELD	COAL	4.0	939.0	SH & SS ROOF
-505.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1016.0	

MAPID: 04900555000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.652387 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.992787 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 560.0 **LOGGED (FT.):** 1063.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-82.0	BOND	CARTHAGE	LIMESTONE	8.0	642.0	
-250.0	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	810.0	
-368.0	CARBONDALE	DANVILLE	COAL	2.0	928.0	
-412.0	CARBONDALE	BRIAR HILL	COAL	2.5	972.0	
-428.0	CARBONDALE	SPRINGFIELD	COAL	4.5	988.0	SHALE ROOF
-503.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1063.0	

MAPID: 04900431000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 6 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.69121 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.990852 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 575.0 **LOGGED (FT.):** 990.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	BOND	CARTHAGE	LIMESTONE	6.0	602.0	
-155.0	MODESTO	TRIVOLI	SANDSTONE	76.0	730.0	
-299.0	CARBONDALE	DANVILLE	COAL	-	874.0	
-347.0	CARBONDALE	SPRINGFIELD	COAL	3.0	922.0	SH & SS ROOF
-415.0	CARBONDALE	HOUCHIN CREEK	COAL	-	990.0	

MAPID: 04900122000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 7 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.681231 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.987146 **DATE COLLECTED:** 0 / 0 / 1947
SURFACE ELEVATION (FT.): 572.0 **LOGGED (FT.):** 2482.0 **LOG TYPE:**
SOURCE: LYNCH OC, HIGGS D 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-32.0	BOND	CARTHAGE	LIMESTONE	-	604.0	
-315.0	CARBONDALE	HERRIN	COAL	-	887.0	COAL ERODED OR ABSENT

MAPID: 04900432000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 7 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.691338 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.979876 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 555.0 **LOGGED (FT.):** 930.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-8.0	BOND	CARTHAGE	LIMESTONE	5.0	563.0	
-140.0	MODESTO	TRIVOLI	SANDSTONE	19.0	695.0	
-159.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	714.0	
-266.0	CARBONDALE	DANVILLE	COAL	-	821.0	
-312.0	CARBONDALE	SPRINGFIELD	COAL	3.0	867.0	SHALE ROOF
-375.0	CARBONDALE	HOUCHIN CREEK	COAL	-	930.0	

MAPID: 04900356000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 8 **QUARTERS/FOOTAGES:** SW NW NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.671348 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.985262 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 978.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-56.0	BOND	CARTHAGE	LIMESTONE	6.0	586.0	
-180.0	MODESTO	TRIVOLI	SANDSTONE	22.0	710.0	
-203.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	733.0	
-320.0	CARBONDALE	DANVILLE	COAL	-	850.0	
-361.0	CARBONDALE	BRIAR HILL	COAL	2.5	891.0	
-368.0	CARBONDALE	SPRINGFIELD	COAL	5.0	898.0	SH & SS ROOF
-448.0	CARBONDALE	HOUCHIN CREEK	COAL	-	978.0	

MAPID: 04900642000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 9 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.636056 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.983559 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 564.0 **LOGGED (FT.):** 1030.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-64.0	BOND	CARTHAGE	LIMESTONE	7.0	628.0	
-204.0	MODESTO	TRIVOLI	SANDSTONE	24.0	768.0	
-343.0	CARBONDALE	DANVILLE	COAL	-	907.0	
-396.0	CARBONDALE	SPRINGFIELD	COAL	3.5	960.0	SH & SS ROOF
-466.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1030.0	

MAPID: 04900208000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: HORD **LONGITUDE:** -88.62428 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.987356 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 567.2 **LOGGED (FT.):** 2545.0 **LOG TYPE:**
SOURCE: GIBSON A H, CAMBELL R 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.8	BOND	CARTHAGE	LIMESTONE	-	640.0	
-384.8	CARBONDALE	HERRIN	COAL	-	952.0	COAL ERODED OR ABSENT

MAPID: 04900426000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: HORD **LONGITUDE:** -88.617393 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.974803 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 601.0 **LOGGED (FT.):** 1109.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-81.0	BOND	CARTHAGE	LIMESTONE	7.0	682.0	
-224.0	MODESTO	TRIVOLI	SANDSTONE	20.0	825.0	
-247.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	848.0	
-373.0	CARBONDALE	DANVILLE	COAL	2.0	974.0	
-428.0	CARBONDALE	BRIAR HILL	COAL	2.0	1029.0	
-433.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1034.0	SH & SS ROOF
-508.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1109.0	

MAPID: 04900123000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** 660' S line, 660' W line of NW
QUADRANGLE: HORD **LONGITUDE:** -88.613782 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.982997 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 589.0 **LOGGED (FT.):** 2529.0 **LOG TYPE:**
SOURCE: LUTTRELL H, KELLR&KRHN 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-63.0	BOND	CARTHAGE	LIMESTONE	-	652.0	
-388.0	CARBONDALE	HERRIN	COAL	-	977.0	COAL ERODED OR ABSENT

MAPID: 04900123000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 11 **QUARTERS/FOOTAGES:** 660' S line, 660' W line of NW
QUADRANGLE: HORD **LONGITUDE:** -88.613782 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.982997 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 589.0 **LOGGED (FT.):** 1096.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-73.0	BOND	CARTHAGE	LIMESTONE	7.0	662.0	
-221.0	MODESTO	TRIVOLI	SANDSTONE	17.0	810.0	
-246.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	835.0	
-426.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1015.0	SH & SS ROOF
-507.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1096.0	

MAPID: 04900005000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: HORD **LONGITUDE:** -88.608226 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.9638 **DATE COLLECTED:** 0 / 0 / 1940
SURFACE ELEVATION (FT.): 558.0 **LOGGED (FT.):** 2675.0 **LOG TYPE:**
SOURCE: KINGWOODOC, MARTIN R 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-61.0	BOND	CARTHAGE	LIMESTONE	-	619.0	
-372.0	CARBONDALE	HERRIN	COAL	-	930.0	COAL ERODED OR ABSENT

MAPID: 04900109000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.612687 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.973028 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 587.0 **LOGGED (FT.):** 2560.0 **LOG TYPE:**
SOURCE: LUTTRELL H, TONN E 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-86.0	BOND	CARTHAGE	LIMESTONE	-	673.0	
-405.0	CARBONDALE	HERRIN	COAL	-	992.0	COAL ERODED OR ABSENT

MAPID: 04900699000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** NE SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.598607 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.969402 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 553.0 **LOGGED (FT.):** 1070.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-75.0	BOND	CARTHAGE	LIMESTONE	9.0	628.0	
-207.0	MODESTO	TRIVOLI	SANDSTONE	20.0	760.0	
-251.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	804.0	
-369.0	CARBONDALE	DANVILLE	COAL	2.0	922.0	
-421.0	CARBONDALE	BRIAR HILL	COAL	2.5	974.0	
-428.0	CARBONDALE	SPRINGFIELD	COAL	3.0	981.0	SH & SS ROOF
-517.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1070.0	

MAPID: 04900088000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.619856 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.969258 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 604.0 **LOGGED (FT.):** 2511.0 **LOG TYPE:**
SOURCE: KINGWOODOC, EARNEST G 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-79.0	BOND	CARTHAGE	LIMESTONE	-	683.0	
-404.0	CARBONDALE	HERRIN	COAL	-	1008.0	COAL ERODED OR ABSENT

MAPID: 04901455000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 15 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE
QUADRANGLE: HORD **LONGITUDE:** -88.624569 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.967375 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 1108.0 **LOG TYPE:** Nuclear Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-79.0	BOND	CARTHAGE	LIMESTONE	6.0	679.0	
-426.0	CARBONDALE	BRIAR HILL	COAL	-	1026.0	
-433.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1033.0	SHALE ROOF
-508.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1108.0	

MAPID: 04900124000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 330' E line
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.636135 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.97269 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 568.0 **LOGGED (FT.):** 2527.0 **LOG TYPE:**
SOURCE: GRAY HENRY, BURKE J E 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-74.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-376.0	CARBONDALE	HERRIN	COAL	-	944.0	COAL ERODED OR ABSENT

MAPID: 04900124000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' N line, 330' E line
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.636135 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.97269 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 568.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-75.0	BOND	CARTHAGE	LIMESTONE	5.0	643.0	
-226.0	MODESTO	TRIVOLI	SANDSTONE	53.0	794.0	
-284.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	852.0	
-356.0	CARBONDALE	DANVILLE	COAL	2.5	924.0	
-415.0	CARBONDALE	SPRINGFIELD	COAL	3.5	983.0	SH & SS ROOF
-492.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1060.0	

MAPID: 04900423000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 17 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.659898 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.961678 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 574.0 **LOGGED (FT.):** 935.5 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-36.0	BOND	CARTHAGE	LIMESTONE	9.0	610.0	
-169.0	MODESTO	TRIVOLI	SANDSTONE	21.0	743.0	
-190.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	764.0	
-306.0	CARBONDALE	DANVILLE	COAL	2.0	880.0	
-354.0	CARBONDALE	BRIAR HILL	COAL	2.0	928.0	
-358.0	CARBONDALE	SPRINGFIELD	COAL	3.5	932.0	SH & SS ROOF

MAPID: 04900125000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 22 **QUARTERS/FOOTAGES:** NE SW NE
QUADRANGLE: HORD **LONGITUDE:** -88.622464 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.954557 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 580.0 **LOGGED (FT.):** 2532.0 **LOG TYPE:**
SOURCE: BENSN ETAL, HARDSOCK F 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	BOND	CARTHAGE	LIMESTONE	-	623.0	
-366.0	CARBONDALE	HERRIN	COAL	-	946.0	COAL ERODED OR ABSENT

MAPID: 04900126000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 22 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.627093

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.958228

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 592.0 LOGGED (FT.): 2510.0

LOG TYPE:

SOURCE: HAMMER A J, ROSE C 2

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-48.0	BOND	CARTHAGE	LIMESTONE	-	640.0	
-365.0	CARBONDALE	HERRIN	COAL	-	957.0	COAL ERODED OR ABSENT

MAPID: 04900703000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 22 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.627223

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.94538

DATE COLLECTED:

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 1110.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-75.0	BOND	CARTHAGE	LIMESTONE	5.0	650.0	
-197.0	MODESTO	TRIVOLI	SANDSTONE	160.0	772.0	
-443.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1018.0	SH & SS ROOF
-535.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1110.0	

MAPID: 04900563000C VERSION: 1

PROJECT: IBC XSECT

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 23 QUARTERS/FOOTAGES: 660' S line, 660' W line of NE

QUADRANGLE: HORD LONGITUDE: -88.604874

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.95367

DATE COLLECTED: 8 / 0 / 1960

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 1155.0

LOG TYPE: Time 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	
-408.0	CARBONDALE	HERRIN	COAL	-	958.0	LITHOLOGY & CORRELATION UNCERTAIN
-605.0	CARBONDALE	COLCHESTER	COAL	-	1155.0	

MAPID: 04900718000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of SE NW
QUADRANGLE: HORD **LONGITUDE:** -88.610753 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.954587 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 555.0 **LOGGED (FT.):** 1049.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-187.0	MODESTO	TRIVOLI	SANDSTONE	130.0	742.0	
-349.0	CARBONDALE	DANVILLE	COAL	2.0	904.0	
-401.0	CARBONDALE	BRIAR HILL	COAL	2.0	956.0	
-406.0	CARBONDALE	SPRINGFIELD	COAL	4.0	961.0	SH & SS ROOF
-494.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1049.0	

MAPID: 04900052000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' N line, 990' W line
QUADRANGLE: HORD **LONGITUDE:** -88.594253 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.958344 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 545.0 **LOGGED (FT.):** 2542.0 **LOG TYPE:**
SOURCE: LUTTRELL H, WALLACE RJ 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-67.0	BOND	CARTHAGE	LIMESTONE	-	612.0	
-387.0	CARBONDALE	HERRIN	COAL	-	932.0	COAL ERODED OR ABSENT

MAPID: 04900052000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 24 **QUARTERS/FOOTAGES:** 330' N line, 990' W line
QUADRANGLE: HORD **LONGITUDE:** -88.594253 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.958344 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 545.0 **LOGGED (FT.):** 1062.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-67.0	BOND	CARTHAGE	LIMESTONE	8.0	612.0	
-228.0	MODESTO	TRIVOLI	SANDSTONE	24.0	773.0	
-253.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	798.0	
-363.0	CARBONDALE	DANVILLE	COAL	3.0	908.0	
-422.0	CARBONDALE	SPRINGFIELD	COAL	4.5	967.0	SH & SS ROOF
-517.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1062.0	

MAPID: 04900127000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: HORD **LONGITUDE:** -88.587364 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.943622 **DATE COLLECTED:** 0 / 0 / 1944
SURFACE ELEVATION (FT.): 527.0 **LOGGED (FT.):** 2542.0 **LOG TYPE:**
SOURCE: LUTTRELL H, SLAUSIS B 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-89.0	BOND	CARTHAGE	LIMESTONE	-	616.0	
-413.0	CARBONDALE	HERRIN	COAL	-	940.0	COAL ERODED OR ABSENT

MAPID: 04900724000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of SE SW
QUADRANGLE: HORD **LONGITUDE:** -88.592325 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.930848 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 498.0 **LOGGED (FT.):** 980.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	5.0	570.0	
-202.0	MODESTO	TRIVOLI	SANDSTONE	37.0	700.0	
-239.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	737.0	
-362.0	CARBONDALE	DANVILLE	COAL	3.0	860.0	
-415.0	CARBONDALE	BRIAR HILL	COAL	2.5	913.0	
-420.0	CARBONDALE	SPRINGFIELD	COAL	3.5	918.0	SH & SS ROOF
-482.0	CARBONDALE	HOUCHIN CREEK	COAL	-	980.0	

MAPID: 04900009000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** 600' N line, 3000' W line
QUADRANGLE: HORD **LONGITUDE:** -88.606121 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.94284 **DATE COLLECTED:** 0 / 0 / 1937
SURFACE ELEVATION (FT.): 539.0 **LOGGED (FT.):** 1160.0 **LOG TYPE:** Other Core Study
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	
-411.0	CARBONDALE	HERRIN	COAL	-	950.0	
-621.0	CARBONDALE	COLCHESTER	COAL	-	1160.0	

MAPID: 04900098000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NE NW SW
QUADRANGLE: HORD **LONGITUDE:** -88.613364 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.936132 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 552.0 **LOGGED (FT.):** 2463.0 **LOG TYPE:**
SOURCE: BRAUN W R, TREMBLE E 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-50.0	BOND	CARTHAGE	LIMESTONE	-	602.0	
-372.0	CARBONDALE	HERRIN	COAL	-	924.0	COAL ERODED OR ABSENT

MAPID: 04900128000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: HORD **LONGITUDE:** -88.615814 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.932385 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 549.0 **LOGGED (FT.):** 2434.0 **LOG TYPE:**
SOURCE: KINGWOODOC, BEYERS J W **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-51.0	BOND	CARTHAGE	LIMESTONE	-	600.0	
-369.0	CARBONDALE	HERRIN	COAL	-	918.0	COAL ERODED OR ABSENT

MAPID: 04900297000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 26 **QUARTERS/FOOTAGES:** 330' S line, 330' W line
QUADRANGLE: HORD **LONGITUDE:** -88.615873 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.930502 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 542.0 **LOGGED (FT.):** 1021.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-56.0	BOND	CARTHAGE	LIMESTONE	7.0	598.0	
-214.0	MODESTO	TRIVOLI	SANDSTONE	6.0	756.0	
-222.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	764.0	
-347.0	CARBONDALE	DANVILLE	COAL	3.0	889.0	
-400.0	CARBONDALE	BRIAR HILL	COAL	2.0	942.0	
-405.0	CARBONDALE	SPRINGFIELD	COAL	4.0	947.0	SH & SS ROOF
-479.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1021.0	

MAPID: 04900076000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** NW NW SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.634513 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.936067 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 575.0 **LOGGED (FT.):** 2525.0 **LOG TYPE:**
SOURCE: JANSN&LYNH, MIKALOITAS 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	-	617.0	
-355.0	CARBONDALE	HERRIN	COAL	-	930.0	COAL ERODED OR ABSENT

MAPID: 04900087000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** SE SE SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.627622 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.930492 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 561.0 **LOGGED (FT.):** 2305.0 **LOG TYPE:**
SOURCE: TIDE WATER, BURKE J E 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	BOND	CARTHAGE	LIMESTONE	-	604.0	
-373.0	CARBONDALE	HERRIN	COAL	-	934.0	COAL ERODED OR ABSENT

MAPID: 04900102000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 27 **QUARTERS/FOOTAGES:** NE SW SE
QUADRANGLE: HORD **LONGITUDE:** -88.62287 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.932361 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 556.0 **LOGGED (FT.):** 2402.0 **LOG TYPE:**
SOURCE: KINGWOODOC, SEE EUGENE 3 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-48.0	BOND	CARTHAGE	LIMESTONE	-	604.0	
-375.0	CARBONDALE	HERRIN	COAL	-	931.0	COAL ERODED OR ABSENT

MAPID: 04900111000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 27 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.627465 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.936081 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 563.0 LOGGED (FT.): 2314.0 LOG TYPE:

SOURCE: TIDE WATER, BURK J E 8 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	-	610.0	
-383.0	CARBONDALE	HERRIN	COAL	-	946.0	COAL ERODED OR ABSENT

MAPID: 04900129000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 27 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.62971 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.9398 DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 571.0 LOGGED (FT.): 2333.0 LOG TYPE:

SOURCE: MARTN&JONE, LEITH 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-51.0	BOND	CARTHAGE	LIMESTONE	-	622.0	
-370.0	CARBONDALE	HERRIN	COAL	-	941.0	COAL ERODED OR ABSENT

MAPID: 04900400000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 27 QUARTERS/FOOTAGES: 330' S line, 330' W line of NE NE

QUADRANGLE: HORD LONGITUDE: -88.62028 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.941662 DATE COLLECTED:

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 1088.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-75.0	BOND	CARTHAGE	LIMESTONE	8.0	630.0	
-193.0	MODESTO	TRIVOLI	SANDSTONE	150.0	748.0	
-383.0	CARBONDALE	DANVILLE	COAL	2.0	938.0	
-435.0	CARBONDALE	BRIAR HILL	COAL	3.5	990.0	
-443.0	CARBONDALE	SPRINGFIELD	COAL	4.5	998.0	SH & SS ROOF
-533.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1088.0	

MAPID: 04900003000C VERSION: 1

PROJECT: NCRDS87

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 28 QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: EDGEWOOD LONGITUDE: -88.646282 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 38.935989 DATE COLLECTED:

SURFACE ELEVATION (FT.): 572.0 LOGGED (FT.): 487.3 LOG TYPE: Drillers Log

SOURCE: EFFINGHAM COAL CO. WELL TYPE: Mine Shaft

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
572.0			UNCONSOLIDATED	59.5	0.0	
512.5	MATTOON		SANDSTONE	1.0	59.5	
511.5	MATTOON		UNCLASSIFIED	3.0	60.5	
508.5	MATTOON		SHALE	18.5	63.5	
490.0	MATTOON	OMEGA	LIMESTONE	3.0	82.0	UNCERTAIN CORRELATION
487.0	MATTOON		BONE COAL	0.4	85.0	
486.6	MATTOON		SHALE	3.0	85.4	
483.6	MATTOON		UNCLASSIFIED	33.0	88.4	
450.6	MATTOON		UNDERCLAY	6.0	121.4	
444.6	MATTOON		SANDSTONE	3.0	127.4	
441.6	MATTOON		SHALE	8.0	130.4	
433.6	MATTOON		UNCLASSIFIED	10.0	138.4	
423.6	MATTOON		COAL	0.3	148.4	
423.2	MATTOON		LIMESTONE	3.0	148.8	
420.2	MATTOON		SHALE	30.0	151.8	
390.2	MATTOON		LIMESTONE	1.3	181.8	
389.0	MATTOON		DARK SHALE	10.0	183.0	
379.0	MATTOON	SHELBYVILLE	COAL	0.8	193.0	UNCERTAIN CORRELATION
378.2	MATTOON		UNDERCLAY	3.0	193.8	
375.2	BOND	MILLERSVILLE	LIMESTONE	8.0	196.8	UNCERTAIN CORRELATION
367.2	BOND		SHALE	100.0	204.8	
267.2	BOND		BLACK SHALE	1.0	304.8	
266.2	BOND		COAL	2.3	305.8	
263.8	BOND		UNDERCLAY	3.0	308.2	
260.8	BOND		SANDSTONE	14.0	311.2	
246.8	BOND		SHALE	22.0	325.2	
224.8	BOND		COAL	1.8	347.2	
223.0	BOND		UNDERCLAY	1.0	349.0	
222.0	BOND		SHALE	3.0	350.0	
219.0	BOND		SANDSTONE	12.0	353.0	
207.0	BOND		SHALE	27.0	365.0	
180.0	BOND		BLACK SHALE	3.0	392.0	
177.0	BOND		COAL	0.1	395.0	
176.9	BOND		UNDERCLAY	2.0	395.1	
174.9	BOND		SHALE	5.0	397.1	
169.9	BOND		COAL	0.1	402.1	
169.8	BOND		UNDERCLAY	1.5	402.2	
168.3	BOND		SANDSTONE	3.0	403.7	
165.3	BOND		SHALE	5.0	406.7	

160.3	BOND		SANDSTONE	3.0	411.7
157.3	BOND		SHALE	9.0	414.7
148.3	BOND	CARTHAGE	LIMESTONE	4.0	423.7
144.3	BOND		SHALE	4.0	427.7
140.3	BOND	CARTHAGE	LIMESTONE	3.0	431.7
137.3	BOND		SHALE	1.5	434.7
135.8	BOND	CARTHAGE	LIMESTONE	1.5	436.2
134.3	BOND		SHALE	1.0	437.7
133.3	BOND		LIMESTONE	2.0	438.7
131.3	BOND		SHALE	3.0	440.7
128.3	BOND		LIMESTONE	1.5	443.7
126.8	MODESTO		BLACK SHALE	1.0	445.2
125.8	MODESTO		SHALE	6.0	446.2
119.8	MODESTO		SANDSTONE	23.0	452.2
96.8	MODESTO		SHALE	3.0	475.2
93.8	MODESTO		LIMESTONE	1.0	478.2
92.8	MODESTO		COAL	0.7	479.2
92.2	MODESTO		BLACK SHALE	2.0	479.8
90.2	MODESTO		LIMESTONE	4.0	481.8
86.2	MODESTO		BLACK SHALE	1.5	485.8

MAPID: 04900110000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 29 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of NW SW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.669662 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.935909 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 573.0 **LOGGED (FT.):** 2600.0 **LOG TYPE:**
SOURCE: TIDE WATER, DANKS G 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-27.0	BOND	CARTHAGE	LIMESTONE	-	600.0	
-330.0	CARBONDALE	HERRIN	COAL	-	903.0	COAL ERODED OR ABSENT

MAPID: 04900110000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.669662 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.935909 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 573.0 LOGGED (FT.): 1014.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	BOND	CARTHAGE	LIMESTONE	9.0	600.0	
-177.0	MODESTO	TRIVOLI	SANDSTONE	74.0	750.0	
-251.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	824.0	
-367.0	CARBONDALE	SPRINGFIELD	COAL	2.5	940.0	SH & SS ROOF
-441.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1014.0	

MAPID: 04900110000C VERSION: 3

PROJECT: CONTROL

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 29 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.669662 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 38.935909 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 2600.0 LOG TYPE: Survey Sample Study
 SOURCE: TIDE WATER 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: 04900295000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 31 QUARTERS/FOOTAGES: 330' N line, 330' E line of NW SW
 QUADRANGLE: EDGEWOOD LONGITUDE: -88.68965 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 38.921219 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 569.0 LOGGED (FT.): 979.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-25.0	BOND	CARTHAGE	LIMESTONE	8.0	594.0	
-131.0	MODESTO	TRIVOLI	SANDSTONE	134.0	700.0	
-289.0	CARBONDALE	DANVILLE	COAL	-	858.0	
-342.0	CARBONDALE	BRIAR HILL	COAL	2.0	911.0	
-346.0	CARBONDALE	SPRINGFIELD	COAL	3.5	915.0	SH & SS ROOF
-410.0	CARBONDALE	HOUCHIN CREEK	COAL	-	979.0	

MAPID: 04922498000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 32 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.67236 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.923097 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 583.0 **LOGGED (FT.):** 993.0 **LOG TYPE:** Nuclear Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-30.0	BOND	CARTHAGE	LIMESTONE	7.0	613.0	
-137.0	MODESTO	TRIVOLI	SANDSTONE	105.0	720.0	
-339.0	CARBONDALE	BRIAR HILL	COAL	2.5	922.0	
-347.0	CARBONDALE	SPRINGFIELD	COAL	3.0	930.0	SHALE ROOF
-410.0	CARBONDALE	HOUCHIN CREEK	COAL	-	993.0	

MAPID: 04900130000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** SE SE NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.637144 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.923238 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 562.0 **LOGGED (FT.):** 2507.0 **LOG TYPE:**
SOURCE: LYNCH P D, ROBINSON 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-58.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-355.0	CARBONDALE	HERRIN	COAL	-	917.0	COAL ERODED OR ABSENT

MAPID: 04900758000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** 330' S line, 330' W line of NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.644206 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 38.923191 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 563.0 **LOGGED (FT.):** 1030.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-59.0	BOND	CARTHAGE	LIMESTONE	6.0	622.0	
-200.0	MODESTO	TRIVOLI	SANDSTONE	15.0	763.0	
-218.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	781.0	
-392.0	CARBONDALE	SPRINGFIELD	COAL	3.0	955.0	
-467.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1030.0	

MAPID: 04900017000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.625342 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.925088 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 509.0 **LOGGED (FT.):** 2259.0 **LOG TYPE:**
SOURCE: JARVIS S D, BOYCE J 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-41.0	BOND	CARTHAGE	LIMESTONE	-	550.0	

MAPID: 04900058000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.634717 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.928653 **DATE COLLECTED:** 0 / 0 / 1941
SURFACE ELEVATION (FT.): 529.0 **LOGGED (FT.):** 2461.0 **LOG TYPE:**
SOURCE: HAMMER A J, BIRCH 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-66.0	BOND	CARTHAGE	LIMESTONE	-	595.0	
-366.0	CARBONDALE	HERRIN	COAL	-	895.0	COAL ERODED OR ABSENT

MAPID: 04900083000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW SE NE
QUADRANGLE: HORD **LONGITUDE:** -88.62063 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.925105 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 505.0 **LOGGED (FT.):** 2356.0 **LOG TYPE:**
SOURCE: TEXAS CO, PRATHER R 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
-38.0	BOND	CARTHAGE	LIMESTONE	-	543.0	
-357.0	CARBONDALE	HERRIN	COAL	-	862.0	COAL ERODED OR ABSENT

MAPID: 04900101000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.625379 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.921508 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 2374.0 **LOG TYPE:**
SOURCE: JARVIS S D, QUAST 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	-	592.0	
-358.0	CARBONDALE	HERRIN	COAL	-	908.0	COAL ERODED OR ABSENT

MAPID: 04900112000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NE NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.618303 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.921548 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 2419.0 **LOG TYPE:**
SOURCE: GULF REF, SHIRLEY C 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-32.0	BOND	CARTHAGE	LIMESTONE	-	580.0	
-346.0	CARBONDALE	HERRIN	COAL	-	894.0	COAL ERODED OR ABSENT

MAPID: 04900116000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.625304 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.928669 **DATE COLLECTED:** 0 / 0 / 1942
SURFACE ELEVATION (FT.): 556.0 **LOGGED (FT.):** 2306.0 **LOG TYPE:**
SOURCE: LUTTRELL H, SEE EUGENE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	-	598.0	
-365.0	CARBONDALE	HERRIN	COAL	-	921.0	COAL ERODED OR ABSENT

MAPID: 04900116000C **VERSION:** 2 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW NW NE
QUADRANGLE: EDGEWOOD **LONGITUDE:** -88.625304 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.928669 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2306.0 **LOG TYPE:** Survey Sample Study
SOURCE: LUTTRELL, HOMER **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: 04900131000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NE NW NE
QUADRANGLE: HORD **LONGITUDE:** -88.622954 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.928673 **DATE COLLECTED:** 0 / 0 / 1946
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 2480.0 **LOG TYPE:**
SOURCE: CLAUD NEON, SEE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-51.0	BOND	CARTHAGE	LIMESTONE	-	591.0	
-365.0	CARBONDALE	HERRIN	COAL	-	905.0	COAL ERODED OR ABSENT

MAPID: 04901293000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** 330' S line, 280' W line of NE SE
QUADRANGLE: HORD **LONGITUDE:** -88.620869 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.919765 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 547.0 **LOGGED (FT.):** 1002.0 **LOG TYPE:** Nuclear Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-34.0	BOND	CARTHAGE	LIMESTONE	11.0	581.0	
-201.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	748.0	
-323.0	CARBONDALE	DANVILLE	COAL	2.5	870.0	
-375.0	CARBONDALE	BRIAR HILL	COAL	2.0	922.0	
-382.0	CARBONDALE	SPRINGFIELD	COAL	3.0	929.0	SHALE ROOF
-455.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1002.0	

MAPID: 04900108000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 35 **QUARTERS/FOOTAGES:** SW SW NW
QUADRANGLE: HORD **LONGITUDE:** -88.615937 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.923349 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 547.0 **LOGGED (FT.):** 2540.0 **LOG TYPE:**
SOURCE: KINGWOODOC, BEYERS J W 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-33.0	BOND	CARTHAGE	LIMESTONE	-	580.0	
-342.0	CARBONDALE	HERRIN	COAL	-	889.0	COAL ERODED OR ABSENT

MAPID: 04900113000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 35 **QUARTERS/FOOTAGES:** NW NW NW
QUADRANGLE: HORD **LONGITUDE:** -88.615892 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.9287 **DATE COLLECTED:** 0 / 0 / 1943
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 2450.0 **LOG TYPE:**
SOURCE: KINGWOODOC, BEYERS J W 2 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-44.0	BOND	CARTHAGE	LIMESTONE	-	584.0	
-356.0	CARBONDALE	HERRIN	COAL	-	896.0	COAL ERODED OR ABSENT

MAPID: 04900215000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 5E **SECTION:** 35 **QUARTERS/FOOTAGES:** 330' N line, 330' E line of SW SE
QUADRANGLE: HORD **LONGITUDE:** -88.604242 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 38.918081 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 495.0 **LOGGED (FT.):** 920.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-62.0	BOND	CARTHAGE	LIMESTONE	8.0	557.0	
-204.0	MODESTO	TRIVOLI	SANDSTONE	37.0	699.0	
-242.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	737.0	
-367.0	CARBONDALE	DANVILLE	COAL	-	862.0	
-417.0	CARBONDALE	BRIAR HILL	COAL	2.5	912.0	
-425.0	CARBONDALE	SPRINGFIELD	COAL	-	920.0	SHALE ROOF

MAPID: 04900437000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 5E SECTION: 36 QUARTERS/FOOTAGES: 330' N line, 330' W line of SE

QUADRANGLE: HORD LONGITUDE: -88.587783 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.921785 DATE COLLECTED:

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 993.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-60.0	BOND	CARTHAGE	LIMESTONE	9.0	590.0	
-207.0	MODESTO	TRIVOLI	SANDSTONE	13.0	737.0	
-220.0	MODESTO	WEST FRANKLIN	LIMESTONE	11.0	750.0	
-342.0	CARBONDALE	DANVILLE	COAL	-	872.0	
-400.0	CARBONDALE	SPRINGFIELD	COAL	3.0	930.0	SHALE ROOF
-463.0	CARBONDALE	HOUCHIN CREEK	COAL	-	993.0	

MAPID: 04900778000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 1 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: EBERLE LONGITUDE: -88.486644 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.992915 DATE COLLECTED:

SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 1214.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-153.0	BOND	CARTHAGE	LIMESTONE	7.0	711.0	
-332.0	MODESTO	TRIVOLI	SANDSTONE	38.0	890.0	
-504.0	CARBONDALE	DANVILLE	COAL	3.5	1062.0	
-527.0	CARBONDALE	HERRIN	COAL	-	1085.0	
-561.0	CARBONDALE	BRIAR HILL	COAL	-	1119.0	
-567.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1125.0	SH & SS ROOF
-656.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1214.0	

MAPID: 04900438000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 430' W line of SW SW

QUADRANGLE: HORD LONGITUDE: -88.504649 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.987772 DATE COLLECTED:

SURFACE ELEVATION (FT.): 517.0 LOGGED (FT.): 1137.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	7.0	676.0	
-300.0	MODESTO	TRIVOLI	SANDSTONE	44.0	817.0	
-344.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	861.0	
-538.0	CARBONDALE	BRIAR HILL	COAL	-	1055.0	
-545.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1062.0	SH & SS ROOF
-620.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1137.0	

MAPID: 04900780000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 3 QUARTERS/FOOTAGES: 430' S line, 430' E line of SE SE

QUADRANGLE: HORD LONGITUDE: -88.50769 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.988137 DATE COLLECTED:

SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 1153.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?TKCOAL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	7.0	691.0	
-289.0	MODESTO	TRIVOLI	SANDSTONE	42.0	829.0	
-333.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	873.0	
-470.0	CARBONDALE	DANVILLE	COAL	3.5	1010.0	
-527.0	CARBONDALE	BRIAR HILL	COAL	2.5	1067.0	
-533.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1073.0	SH & SS ROOF
-613.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1153.0	

MAPID: 04900440000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 5

QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: HORD

LONGITUDE: -88.561223

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.99473

DATE COLLECTED:

SURFACE ELEVATION (FT.): 543.0

LOGGED (FT.): 1114.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?TKCOAL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-101.0	BOND	CARTHAGE	LIMESTONE	7.0	644.0	
-270.0	MODESTO	TRIVOLI	SANDSTONE	10.0	813.0	
-283.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	826.0	
-417.0	CARBONDALE	DANVILLE	COAL	3.0	960.0	
-472.0	CARBONDALE	BRIAR HILL	COAL	-	1015.0	
-479.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1022.0	SH & SS ROOF
-571.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1114.0	

MAPID: 04900441000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 8

QUARTERS/FOOTAGES: 660' S line, 660' W line of SE

QUADRANGLE: HORD

LONGITUDE: -88.550861

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 38.975198

DATE COLLECTED:

SURFACE ELEVATION (FT.): 480.0

LOGGED (FT.): 1114.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?UDRCLY?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-156.0	BOND	CARTHAGE	LIMESTONE	4.0	636.0	
-266.0	MODESTO	TRIVOLI	SANDSTONE	76.0	746.0	
-358.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	838.0	
-463.0	CARBONDALE	DANVILLE	COAL	2.0	943.0	
-532.0	CARBONDALE	BRIAR HILL	COAL	-	1012.0	
-538.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1018.0	SH & SS ROOF
-634.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1114.0	

MAPID: 04901128000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 9

QUARTERS/FOOTAGES: NE SW SW

QUADRANGLE: HORD

LONGITUDE: -88.54028

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.975854

DATE COLLECTED:

SURFACE ELEVATION (FT.): 498.0

LOGGED (FT.): 1130.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?TKCOAL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-149.0	BOND	CARTHAGE	LIMESTONE	9.0	647.0	
-276.0	MODESTO	TRIVOLI	SANDSTONE	47.0	774.0	
-329.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	827.0	
-467.0	CARBONDALE	DANVILLE	COAL	-	965.0	
-543.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1041.0	SH OVER LS ROOF
-632.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1130.0	

MAPID: 04900443000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 10

QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: HORD

LONGITUDE: -88.507369

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.986023

DATE COLLECTED:

SURFACE ELEVATION (FT.): 535.0

LOGGED (FT.): 1160.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	8.0	694.0	
-299.0	MODESTO	TRIVOLI	SANDSTONE	36.0	834.0	
-335.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	870.0	
-479.0	CARBONDALE	DANVILLE	COAL	4.0	1014.0	
-510.0	CARBONDALE	HERRIN	COAL	-	1045.0	
-543.0	CARBONDALE	BRIAR HILL	COAL	-	1078.0	
-547.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1082.0	SH & SS ROOF
-625.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1160.0	

MAPID: 04900781000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 10 QUARTERS/FOOTAGES: 660' N line, 440' E line of SW NE

QUADRANGLE: HORD LONGITUDE: -88.512549 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.981616 DATE COLLECTED:

SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 1127.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?TKCOAL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	7.0	640.0	
-306.0	MODESTO	TRIVOLI	SANDSTONE	43.0	796.0	
-350.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	840.0	
-487.0	CARBONDALE	DANVILLE	COAL	3.0	977.0	
-517.0	CARBONDALE	HERRIN	COAL	-	1007.0	
-552.0	CARBONDALE	BRIAR HILL	COAL	-	1042.0	
-560.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1050.0	SH & SS ROOF
-637.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1127.0	

MAPID: 04900792000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 11 QUARTERS/FOOTAGES: SW NE SW

QUADRANGLE: HORD LONGITUDE: -88.500662 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.976725 DATE COLLECTED:

SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 1190.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-149.0	BOND	CARTHAGE	LIMESTONE	7.0	689.0	
-303.0	MODESTO	TRIVOLI	SANDSTONE	40.0	843.0	
-345.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	885.0	
-489.0	CARBONDALE	DANVILLE	COAL	3.0	1029.0	
-550.0	CARBONDALE	BRIAR HILL	COAL	-	1090.0	
-558.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1098.0	SH & SS ROOF
-650.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1190.0	

MAPID: 04900264000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 6E **SECTION:** 12 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.48217 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.972639 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 547.0 **LOGGED (FT.):** 1207.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-148.0	BOND	CARTHAGE	LIMESTONE	6.0	695.0	
-467.0	CARBONDALE	DANVILLE	COAL	3.5	1014.0	
-526.0	CARBONDALE	BRIAR HILL	COAL	-	1073.0	
-533.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1080.0	SH & SS ROOF
-660.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1207.0	

MAPID: 04900298000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 6E **SECTION:** 12 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.482053 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.981779 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 1195.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: LSROOF?TKCOAL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-173.0	BOND	CARTHAGE	LIMESTONE	8.0	721.0	
-332.0	MODESTO	TRIVOLI	SANDSTONE	35.0	880.0	
-499.0	CARBONDALE	DANVILLE	COAL	4.0	1047.0	
-560.0	CARBONDALE	BRIAR HILL	COAL	-	1108.0	
-567.0	CARBONDALE	SPRINGFIELD	COAL	-	1115.0	SH & SS ROOF
-647.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1195.0	

MAPID: 0490065000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 13

QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: EBERLE

LONGITUDE: -88.470554

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.966896

DATE COLLECTED:

SURFACE ELEVATION (FT.): 552.0

LOGGED (FT.): 1192.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	7.0	709.0	
-303.0	MODESTO	TRIVOLI	SANDSTONE	45.0	855.0	
-364.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	916.0	
-495.0	CARBONDALE	DANVILLE	COAL	3.0	1047.0	
-553.0	CARBONDALE	BRIAR HILL	COAL	3.0	1105.0	
-560.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1112.0	SH & SS ROOF
-640.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1192.0	

MAPID: 04900325000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 14

QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.498597

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.958422

DATE COLLECTED:

SURFACE ELEVATION (FT.): 539.0

LOGGED (FT.): 1156.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-123.0	BOND	CARTHAGE	LIMESTONE	5.0	662.0	
-291.0	MODESTO	TRIVOLI	SANDSTONE	35.0	830.0	
-524.0	CARBONDALE	BRIAR HILL	COAL	-	1063.0	
-531.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1070.0	SH & SS ROOF
-617.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1156.0	

MAPID: 04900571000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 15

QUARTERS/FOOTAGES: SE SE NE

QUADRANGLE: HORD

LONGITUDE: -88.507784

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.965988

DATE COLLECTED:

SURFACE ELEVATION (FT.): 538.0

LOGGED (FT.): 1186.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-135.0	BOND	CARTHAGE	LIMESTONE	6.0	673.0	
-316.0	MODESTO	TRIVOLI	SANDSTONE	30.0	854.0	
-346.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	884.0	
-487.0	CARBONDALE	DANVILLE	COAL	3.5	1025.0	
-547.0	CARBONDALE	BRIAR HILL	COAL	4.0	1085.0	
-555.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1093.0	SH & SS ROOF
-648.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1186.0	

MAPID: 04900805000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 16

QUARTERS/FOOTAGES: 660' S line, 660' W line of SE NW

QUADRANGLE: HORD

LONGITUDE: -88.536871

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.96753

DATE COLLECTED:

SURFACE ELEVATION (FT.): 539.0

LOGGED (FT.): 1166.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-147.0	BOND	CARTHAGE	LIMESTONE	6.0	686.0	
-297.0	MODESTO	TRIVOLI	SANDSTONE	42.0	836.0	
-346.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	885.0	
-529.0	CARBONDALE	BRIAR HILL	COAL	-	1068.0	
-537.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1076.0	SH & SS ROOF
-627.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1166.0	

MAPID: 04900806000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 17 QUARTERS/FOOTAGES: 332' S line, 323' W line of NE SE NE

QUADRANGLE: HORD LONGITUDE: -88.545081 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.968672 DATE COLLECTED:

SURFACE ELEVATION (FT.): 478.0 LOGGED (FT.): 1114.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-161.0	BOND	CARTHAGE	LIMESTONE	5.0	639.0	
-267.0	MODESTO	TRIVOLI	SANDSTONE	81.0	745.0	
-478.0	CARBONDALE	DANVILLE	COAL	2.0	956.0	
-543.0	CARBONDALE	BRIAR HILL	COAL	2.5	1021.0	
-552.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1030.0	SH & SS ROOF
-636.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1114.0	

MAPID: 04900448000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 21 QUARTERS/FOOTAGES: SW NW NW

QUADRANGLE: HORD LONGITUDE: -88.542907 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.955799 DATE COLLECTED:

SURFACE ELEVATION (FT.): 503.0 LOGGED (FT.): 1124.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-145.0	BOND	CARTHAGE	LIMESTONE	7.0	648.0	
-271.0	MODESTO	TRIVOLI	SANDSTONE	66.0	774.0	
-467.0	CARBONDALE	DANVILLE	COAL	3.0	970.0	
-527.0	CARBONDALE	BRIAR HILL	COAL	3.0	1030.0	
-537.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1040.0	SH & SS ROOF
-621.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1124.0	

MAPID: 04900338000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 22

QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: HORD

LONGITUDE: -88.507864

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.956941

DATE COLLECTED:

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 1186.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-143.0	BOND	CARTHAGE	LIMESTONE	6.0	679.0	
-304.0	MODESTO	TRIVOLI	SANDSTONE	40.0	840.0	
-344.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	880.0	
-485.0	CARBONDALE	DANVILLE	COAL	3.0	1021.0	
-549.0	CARBONDALE	BRIAR HILL	COAL	2.0	1085.0	
-555.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1091.0	SH & SS ROOF
-650.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1186.0	

MAPID: 04900812000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 23

QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.494046

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.950964

DATE COLLECTED:

SURFACE ELEVATION (FT.): 538.0

LOGGED (FT.): 1142.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-134.0	BOND	CARTHAGE	LIMESTONE	8.0	672.0	
-458.0	CARBONDALE	DANVILLE	COAL	2.0	996.0	
-522.0	CARBONDALE	BRIAR HILL	COAL	1.5	1060.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1064.0	SH & SS ROOF
-604.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1142.0	

MAPID: 04900213000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 24

QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.482411

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.950681

DATE COLLECTED:

SURFACE ELEVATION (FT.): 542.0

LOGGED (FT.): 1170.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-138.0	BOND	CARTHAGE	LIMESTONE	7.0	680.0	
-473.0	CARBONDALE	DANVILLE	COAL	3.0	1015.0	
-538.0	CARBONDALE	BRIAR HILL	COAL	2.5	1080.0	
-543.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1085.0	SH & SS ROOF
-628.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1170.0	

MAPID: 04900265000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 25

QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: EBERLE

LONGITUDE: -88.471313

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.928427

DATE COLLECTED:

SURFACE ELEVATION (FT.): 539.0

LOGGED (FT.): 1190.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-172.0	BOND	CARTHAGE	LIMESTONE	7.0	711.0	
-337.0	MODESTO	TRIVOLI	SANDSTONE	60.0	876.0	
-411.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	950.0	
-498.0	CARBONDALE	DANVILLE	COAL	3.0	1037.0	
-564.0	CARBONDALE	BRIAR HILL	COAL	2.0	1103.0	
-571.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1110.0	SH & SS ROOF
-651.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1190.0	

MAPID: 04900318000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 26

QUARTERS/FOOTAGES: NE NW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.494139

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.941871

DATE COLLECTED:

SURFACE ELEVATION (FT.): 537.0

LOGGED (FT.): 1145.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-130.0	BOND	CARTHAGE	LIMESTONE	7.0	667.0	
-302.0	MODESTO	TRIVOLI	SANDSTONE	24.0	839.0	
-328.0	MODESTO	WEST FRANKLIN	LIMESTONE	2.0	865.0	
-454.0	CARBONDALE	DANVILLE	COAL	3.0	991.0	
-518.0	CARBONDALE	BRIAR HILL	COAL	2.0	1055.0	
-523.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1060.0	SH & SS ROOF
-608.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1145.0	

MAPID: 04900818000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 27

QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: HORD

LONGITUDE: -88.524557

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.929756

DATE COLLECTED:

SURFACE ELEVATION (FT.): 537.0

LOGGED (FT.): 1133.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-128.0	BOND	CARTHAGE	LIMESTONE	7.0	665.0	
-249.0	MODESTO	TRIVOLI	SANDSTONE	82.0	786.0	
-334.0	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	871.0	
-510.0	CARBONDALE	BRIAR HILL	COAL	-	1047.0	
-517.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1054.0	SH & SS ROOF
-596.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1133.0	

MAPID: 04900217000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 30

QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: HORD

LONGITUDE: -88.578293

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.936229

DATE COLLECTED:

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 939.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-54.0	BOND	CARTHAGE	LIMESTONE	8.0	590.0	
-178.0	MODESTO	TRIVOLI	SANDSTONE	-	714.0	
-396.0	CARBONDALE	BRIAR HILL	COAL	-	932.0	
-400.0	CARBONDALE	SPRINGFIELD	COAL	3.5	936.0	SH & SS ROOF

MAPID: 04900387000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 6E

SECTION: 33

QUARTERS/FOOTAGES: NE SE NE

QUADRANGLE: HORD

LONGITUDE: -88.527028

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.92428

DATE COLLECTED:

SURFACE ELEVATION (FT.): 532.0

LOGGED (FT.): 1127.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-132.0	BOND	CARTHAGE	LIMESTONE	8.0	664.0	
-259.0	MODESTO	TRIVOLI	SANDSTONE	63.0	791.0	
-329.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	861.0	
-455.0	CARBONDALE	DANVILLE	COAL	2.0	987.0	
-515.0	CARBONDALE	BRIAR HILL	COAL	2.5	1047.0	
-521.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1053.0	SH & SS ROOF
-595.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1127.0	

MAPID: 04900379000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 6E **SECTION:** 34 **QUARTERS/FOOTAGES:** SE NE NW
QUADRANGLE: HORD **LONGITUDE:** -88.517551 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.925903 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 536.0 **LOGGED (FT.):** 1106.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-114.0	BOND	CARTHAGE	LIMESTONE	6.0	650.0	
-247.0	MODESTO	TRIVOLI	SANDSTONE	75.0	783.0	
-352.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	888.0	
-434.0	CARBONDALE	DANVILLE	COAL	2.5	970.0	
-496.0	CARBONDALE	BRIAR HILL	COAL	2.0	1032.0	
-502.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1038.0	SH & SS ROOF
-570.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1106.0	

MAPID: 04900822000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 6E **SECTION:** 35 **QUARTERS/FOOTAGES:** SW NE NE
QUADRANGLE: EBERLE **LONGITUDE:** -88.492114 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.925192 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 537.0 **LOGGED (FT.):** 1143.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: LSUDCY?TKCOAL?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-115.0	BOND	CARTHAGE	LIMESTONE	7.0	652.0	
-283.0	MODESTO	TRIVOLI	SANDSTONE	43.0	820.0	
-330.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	867.0	
-520.0	CARBONDALE	BRIAR HILL	COAL	2.0	1057.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1063.0	SH & SS ROOF
-606.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1143.0	

MAPID: 04900104000C **VERSION:** 1 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 6E **SECTION:** 36 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NW
QUADRANGLE: EBERLE **LONGITUDE:** -88.482884 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.926815 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2934.0 **LOG TYPE:** Survey Sample Study
SOURCE: ROBINSON & PUCKETT, 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: 04900825000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 6E SECTION: 36 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: EBERLE LONGITUDE: -88.471375 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.913666 DATE COLLECTED:

SURFACE ELEVATION (FT.): 531.0 LOGGED (FT.): 1187.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: LSUDCY?TKCOAL?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	7.0	688.0	
-337.0	MODESTO	TRIVOLI	SANDSTONE	41.0	868.0	
-503.0	CARBONDALE	DANVILLE	COAL	3.0	1034.0	
-567.0	CARBONDALE	BRIAR HILL	COAL	2.5	1098.0	
-573.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1104.0	SH & SS ROOF
-656.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1187.0	

MAPID: 04900453000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 7E SECTION: 2 QUARTERS/FOOTAGES: SE SW NW

QUADRANGLE: EBERLE LONGITUDE: -88.396268 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 38.994288 DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 1386.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-222.0	BOND	CARTHAGE	LIMESTONE	5.0	802.0	
-324.0	MODESTO	TRIVOLI	SANDSTONE	37.0	904.0	
-384.0	MODESTO	WEST FRANKLIN	LIMESTONE	22.0	964.0	
-549.0	CARBONDALE	DANVILLE	COAL	3.0	1129.0	
-610.0	CARBONDALE	BRIAR HILL	COAL	2.5	1190.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	5.5	1198.0	SH & SS ROOF
-681.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1261.0	
-806.0	CARBONDALE	COLCHESTER	COAL	-	1386.0	

MAPID: 04900572000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 4

QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.428968

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.994303

DATE COLLECTED:

SURFACE ELEVATION (FT.): 573.0

LOGGED (FT.): 1352.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSRFUDCY?TKCL?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-178.0	BOND	CARTHAGE	LIMESTONE	6.0	751.0	
-358.0	MODESTO	TRIVOLI	SANDSTONE	19.0	931.0	
-377.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	950.0	
-511.0	CARBONDALE	DANVILLE	COAL	3.0	1084.0	
-566.0	CARBONDALE	BRIAR HILL	COAL	2.0	1139.0	
-574.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1147.0	SH & SS ROOF
-652.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1225.0	
-779.0	CARBONDALE	COLCHESTER	COAL	-	1352.0	

MAPID: 04900454000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 5

QUARTERS/FOOTAGES: SW NW NW

QUADRANGLE: EBERLE

LONGITUDE: -88.454395

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.998079

DATE COLLECTED:

SURFACE ELEVATION (FT.): 566.0

LOGGED (FT.): 1338.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?TKCOAL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-170.0	BOND	CARTHAGE	LIMESTONE	6.0	736.0	
-332.0	MODESTO	TRIVOLI	SANDSTONE	46.0	898.0	
-500.0	CARBONDALE	DANVILLE	COAL	3.5	1066.0	
-556.0	CARBONDALE	BRIAR HILL	COAL	-	1122.0	
-561.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1127.0	SH & SS ROOF
-646.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1212.0	
-772.0	CARBONDALE	COLCHESTER	COAL	-	1338.0	

MAPID: 04900455000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 7

QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.463958

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.983361

DATE COLLECTED:

SURFACE ELEVATION (FT.): 556.0

LOGGED (FT.): 1317.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-173.0	BOND	CARTHAGE	LIMESTONE	7.0	729.0	
-318.0	MODESTO	TRIVOLI	SANDSTONE	43.0	874.0	
-509.0	CARBONDALE	DANVILLE	COAL	3.5	1065.0	
-567.0	CARBONDALE	BRIAR HILL	COAL	2.0	1123.0	
-573.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1129.0	SH & SS ROOF
-659.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1215.0	
-761.0	CARBONDALE	COLCHESTER	COAL	-	1317.0	

MAPID: 04900341000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 9

QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: EBERLE

LONGITUDE: -88.419795

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.973846

DATE COLLECTED:

SURFACE ELEVATION (FT.): 567.0

LOGGED (FT.): 1359.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-233.0	BOND	CARTHAGE	LIMESTONE	6.0	800.0	
-388.0	MODESTO	TRIVOLI	SANDSTONE	27.0	955.0	
-419.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	986.0	
-553.0	CARBONDALE	DANVILLE	COAL	3.5	1120.0	
-616.0	CARBONDALE	BRIAR HILL	COAL	2.0	1183.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1190.0	SH & SS ROOF
-699.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1266.0	
-792.0	CARBONDALE	COLCHESTER	COAL	-	1359.0	

MAPID: 04900831000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 10

QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.410347

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.977364

DATE COLLECTED:

SURFACE ELEVATION (FT.): 572.0

LOGGED (FT.): 1402.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-230.0	BOND	CARTHAGE	LIMESTONE	6.0	802.0	
-387.0	MODESTO	TRIVOLI	SANDSTONE	31.0	959.0	
-555.0	CARBONDALE	DANVILLE	COAL	3.5	1127.0	
-615.0	CARBONDALE	BRIAR HILL	COAL	-	1187.0	
-620.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1192.0	SHALE ROOF
-696.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1268.0	
-830.0	CARBONDALE	COLCHESTER	COAL	-	1402.0	

MAPID: 04924642000C VERSION: 1

PROJECT:

COUNTY: EFFINGHAM TWP/RNG: 6N 7E SECTION: 10 QUARTERS/FOOTAGES: 330' N line, 660' E line of SW SE

QUADRANGLE: EBERLE LONGITUDE: -88.406836 GEOLOGIST: TREWORGY

CONFIDENTIAL: N LATITUDE: 38.973707 DATE COLLECTED: 3 / 19 / 1999

SURFACE ELEVATION (FT.): 579.0 LOGGED (FT.): 1634.5 LOG TYPE: Gamma Ray Density

SOURCE: MOORE ENGINEERING KLUTHE 1-A WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
579.0			UNCLASSIFIED	388.0	0.0
191.0			COAL	2.0	388.0
-30.0			COAL	1.5	609.0
-125.5			COAL	1.5	704.5
-168.5			COAL	2.0	747.5
-231.0	BOND	CARTHAGE	LIMESTONE	6.0	810.0
-292.0			COAL	1.0	871.0
-421.0	SHELBURN	WEST FRANKLIN	LIMESTONE	8.0	1000.0
-553.0	SHELBURN	DANVILLE	COAL	4.0	1132.0
-573.0	SHELBURN	JAMESTOWN	COAL	1.0	1152.0
-582.0	CARBONDALE	HERRIN	COAL	4.8	1161.0
-611.0	CARBONDALE	BRIAR HILL	COAL	2.0	1190.0
-621.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1200.0
-698.0	CARBONDALE	HOUCHIN CREEK	COAL	0.5	1277.0
-763.0	CARBONDALE	SURVANT	COAL	2.0	1342.0
-826.0	CARBONDALE	COLCHESTER	COAL	0.0	1405.0
-845.5	CARBONDALE	SEELYVILLE	COAL	1.0	1424.5
-864.0	CARBONDALE	SEELYVILLE	COAL	6.0	1443.0
-906.0			COAL	0.5	1485.0
-965.0			COAL	1.5	1544.0
-997.5			COAL	3.3	1576.5
-1053.0			COAL	2.5	1632.0

MAPID: 04900458000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 11

QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: EBERLE

LONGITUDE: -88.389379

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.979002

DATE COLLECTED:

SURFACE ELEVATION (FT.): 572.0

LOGGED (FT.): 1194.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-216.0	BOND	CARTHAGE	LIMESTONE	6.0	788.0	
-284.0	MODESTO	TRIVOLI	SANDSTONE	58.0	856.0	
-550.0	CARBONDALE	DANVILLE	COAL	3.5	1122.0	
-609.0	CARBONDALE	BRIAR HILL	COAL	2.5	1181.0	
-617.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1189.0	SHALE ROOF

MAPID: 04901169000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 14

QUARTERS/FOOTAGES: NE SW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.396212

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.958832

DATE COLLECTED:

SURFACE ELEVATION (FT.): 564.0

LOGGED (FT.): 1379.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-211.0	BOND	CARTHAGE	LIMESTONE	6.0	775.0	
-378.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	942.0	
-541.0	CARBONDALE	DANVILLE	COAL	2.5	1105.0	
-608.0	CARBONDALE	BRIAR HILL	COAL	2.5	1172.0	
-616.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1180.0	SHALE ROOF
-688.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1252.0	
-815.0	CARBONDALE	COLCHESTER	COAL	-	1379.0	

MAPID: 04901171000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 15

QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.408027

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.96269

DATE COLLECTED:

SURFACE ELEVATION (FT.): 570.0

LOGGED (FT.): 1390.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-241.0	BOND	CARTHAGE	LIMESTONE	5.0	811.0	
-396.0	MODESTO	TRIVOLI	SANDSTONE	19.0	966.0	
-560.0	CARBONDALE	DANVILLE	COAL	2.5	1130.0	
-620.0	CARBONDALE	BRIAR HILL	COAL	2.0	1190.0	
-625.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1195.0	SHALE ROOF
-700.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1270.0	
-820.0	CARBONDALE	COLCHESTER	COAL	-	1390.0	

MAPID: 04900551000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 16

QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.426891

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.957388

DATE COLLECTED:

SURFACE ELEVATION (FT.): 562.0

LOGGED (FT.): 1388.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?TKCOAL?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-215.0	BOND	CARTHAGE	LIMESTONE	6.0	777.0	
-385.0	MODESTO	TRIVOLI	SANDSTONE	35.0	947.0	
-422.0	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	984.0	
-560.0	CARBONDALE	DANVILLE	COAL	3.0	1122.0	
-618.0	CARBONDALE	BRIAR HILL	COAL	2.5	1180.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1185.0	SH & SS ROOF
-701.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1263.0	
-826.0	CARBONDALE	COLCHESTER	COAL	-	1388.0	

MAPID: 04900461000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 17

QUARTERS/FOOTAGES: NE SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.44783

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.96677

DATE COLLECTED:

SURFACE ELEVATION (FT.): 565.0

LOGGED (FT.): 1256.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: UDCLAYLS?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-213.0	BOND	CARTHAGE	LIMESTONE	7.0	778.0	
-378.0	MODESTO	TRIVOLI	SANDSTONE	53.0	943.0	
-543.0	CARBONDALE	DANVILLE	COAL	3.0	1108.0	
-603.0	CARBONDALE	BRIAR HILL	COAL	2.0	1168.0	
-609.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1174.0	SH & SS ROOF
-691.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1256.0	

MAPID: 04900550000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 17

QUARTERS/FOOTAGES: NE SW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.443212

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.959406

DATE COLLECTED:

SURFACE ELEVATION (FT.): 551.0

LOGGED (FT.): 1257.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-215.0	BOND	CARTHAGE	LIMESTONE	6.0	766.0	
-378.0	MODESTO	TRIVOLI	SANDSTONE	41.0	929.0	
-554.0	CARBONDALE	DANVILLE	COAL	2.5	1105.0	
-619.0	CARBONDALE	BRIAR HILL	COAL	-	1170.0	
-623.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1174.0	SHALE ROOF
-706.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1257.0	

MAPID: 04900842000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 7E **SECTION:** 20 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.443433 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.946482 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 554.0 **LOGGED (FT.):** 1133.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: LSUDCLAY?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-179.0	BOND	CARTHAGE	LIMESTONE	7.0	733.0	
-336.0	MODESTO	TRIVOLI	SANDSTONE	28.0	890.0	
-368.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	922.0	
-503.0	CARBONDALE	DANVILLE	COAL	3.0	1057.0	
-568.0	CARBONDALE	BRIAR HILL	COAL	2.5	1122.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1129.0	SHALE ROOF

MAPID: 04900093000C **VERSION:** 1 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 7E **SECTION:** 21 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE SE
QUADRANGLE: EBERLE **LONGITUDE:** -88.422231 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 38.948066 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 3032.0 **LOG TYPE:** Survey Sample Study
SOURCE: KINGWOOD 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: 04901111000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 6N 7E **SECTION:** 22 **QUARTERS/FOOTAGES:** SW SE SW
QUADRANGLE: EBERLE **LONGITUDE:** -88.412734 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 38.942348 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 557.0 **LOGGED (FT.):** 1408.0 **LOG TYPE:** Nuclear Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG, 1403 50

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-202.0	BOND	CARTHAGE	LIMESTONE	6.0	759.0	
-546.0	CARBONDALE	DANVILLE	COAL	3.0	1103.0	
-578.0	CARBONDALE	HERRIN	COAL	4.5	1135.0	LS OVER SH ROOF
-606.0	CARBONDALE	BRIAR HILL	COAL	2.5	1163.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1175.0	LS OVER SH ROOF
-693.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1250.0	
-846.0			COAL	5.0	1403.0	

MAPID: 04900464000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 23

QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: EBERLE

LONGITUDE: -88.398549

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.945881

DATE COLLECTED:

SURFACE ELEVATION (FT.): 560.0

LOGGED (FT.): 1194.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-218.0	BOND	CARTHAGE	LIMESTONE	8.0	778.0	
-402.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	962.0	
-558.0	CARBONDALE	DANVILLE	COAL	4.0	1118.0	
-589.0	CARBONDALE	HERRIN	COAL	4.5	1149.0	
-621.0	CARBONDALE	BRIAR HILL	COAL	2.5	1181.0	
-630.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1190.0	SHALE ROOF

MAPID: 04900465000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 25

QUARTERS/FOOTAGES: SE NE NW

QUADRANGLE: LATONA

LONGITUDE: -88.37274

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.938121

DATE COLLECTED:

SURFACE ELEVATION (FT.): 549.0

LOGGED (FT.): 1193.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-217.0	BOND	CARTHAGE	LIMESTONE	8.0	766.0	
-387.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	936.0	
-555.0	CARBONDALE	DANVILLE	COAL	2.5	1104.0	
-597.0	CARBONDALE	HERRIN	COAL	3.0	1146.0	LS OVER SH ROOF
-631.0	CARBONDALE	BRIAR HILL	COAL	2.5	1180.0	
-639.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1188.0	SHALE ROOF

MAPID: 04900466000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 7E SECTION: 26 QUARTERS/FOOTAGES: 330' S line, 660' W line of SE NW

QUADRANGLE: EBERLE LONGITUDE: -88.39274 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.93455 DATE COLLECTED:

SURFACE ELEVATION (FT.): 546.0 LOGGED (FT.): 1274.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-217.0	BOND	CARTHAGE	LIMESTONE	6.0	763.0	
-405.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	951.0	
-570.0	CARBONDALE	DANVILLE	COAL	2.5	1116.0	
-607.0	CARBONDALE	HERRIN	COAL	4.0	1153.0	LS OVER SH ROOF
-640.0	CARBONDALE	BRIAR HILL	COAL	2.0	1186.0	
-648.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1194.0	SHALE ROOF
-728.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1274.0	

MAPID: 04901175000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 6N 7E SECTION: 27 QUARTERS/FOOTAGES: 220' S line, 520' W line of NE NW

QUADRANGLE: EBERLE LONGITUDE: -88.412078 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 38.938294 DATE COLLECTED:

SURFACE ELEVATION (FT.): 556.0 LOGGED (FT.): 1236.0 LOG TYPE: Nuclear Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-194.0	BOND	CARTHAGE	LIMESTONE	7.0	750.0	
-357.0	MODESTO	TRIVOLI	SANDSTONE	33.0	913.0	
-391.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	947.0	
-536.0	CARBONDALE	DANVILLE	COAL	4.0	1092.0	
-568.0	CARBONDALE	HERRIN	COAL	4.5	1124.0	LS OVER SH ROOF
-599.0	CARBONDALE	BRIAR HILL	COAL	3.0	1155.0	
-607.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1163.0	SHALE ROOF
-680.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1236.0	

MAPID: 04900863000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 28

QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.429362

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.935205

DATE COLLECTED:

SURFACE ELEVATION (FT.): 554.0

LOGGED (FT.): 1244.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-186.0	BOND	CARTHAGE	LIMESTONE	7.0	740.0	
-374.0	MODESTO	TRIVOLI	SANDSTONE	22.0	928.0	
-398.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	952.0	
-544.0	CARBONDALE	DANVILLE	COAL	4.0	1098.0	
-577.0	CARBONDALE	HERRIN	COAL	4.0	1131.0	SH OVER LS ROOF
-610.0	CARBONDALE	BRIAR HILL	COAL	2.5	1164.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1172.0	SHALE ROOF
-690.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1244.0	

MAPID: 04900885000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 29

QUARTERS/FOOTAGES: NW NE SE

QUADRANGLE: EBERLE

LONGITUDE: -88.441229

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.93355

DATE COLLECTED:

SURFACE ELEVATION (FT.): 542.0

LOGGED (FT.): 1128.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSUDCLAY?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-164.0	BOND	CARTHAGE	LIMESTONE	6.0	706.0	
-340.0	MODESTO	TRIVOLI	SANDSTONE	22.0	882.0	
-362.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	904.0	
-512.0	CARBONDALE	DANVILLE	COAL	4.0	1054.0	
-532.0	CARBONDALE	HERRIN	COAL	6.0	1074.0	SH & SS ROOF
-576.0	CARBONDALE	BRIAR HILL	COAL	-	1118.0	
-582.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1124.0	SHALE ROOF

MAPID: 04900348000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 30

QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.465862

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.93019

DATE COLLECTED:

SURFACE ELEVATION (FT.): 542.0

LOGGED (FT.): 1205.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?TKCOAL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-175.0	BOND	CARTHAGE	LIMESTONE	7.0	717.0	
-348.0	MODESTO	TRIVOLI	SANDSTONE	46.0	890.0	
-510.0	CARBONDALE	DANVILLE	COAL	3.0	1052.0	
-538.0	CARBONDALE	HERRIN	COAL	-	1080.0	SH OVER LS ROOF
-581.0	CARBONDALE	BRIAR HILL	COAL	2.0	1123.0	
-591.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1133.0	SHALE ROOF
-663.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1205.0	

MAPID: 04900900000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 31

QUARTERS/FOOTAGES: NW NE SE

QUADRANGLE: EBERLE

LONGITUDE: -88.460122

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.919057

DATE COLLECTED:

SURFACE ELEVATION (FT.): 544.0

LOGGED (FT.): 1195.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSUDYCLAY?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-144.0	BOND	CARTHAGE	LIMESTONE	8.0	688.0	
-317.0	MODESTO	TRIVOLI	SANDSTONE	47.0	861.0	
-499.0	CARBONDALE	DANVILLE	COAL	-	1043.0	
-531.0	CARBONDALE	HERRIN	COAL	-	1075.0	
-562.0	CARBONDALE	BRIAR HILL	COAL	-	1106.0	
-568.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1112.0	SHALE ROOF
-651.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1195.0	

MAPID: 04900471000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 32

QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.448367

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.918877

DATE COLLECTED:

SURFACE ELEVATION (FT.): 542.0

LOGGED (FT.): 1183.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-159.0	BOND	CARTHAGE	LIMESTONE	8.0	701.0	
-320.0	MODESTO	TRIVOLI	SANDSTONE	21.0	862.0	
-344.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	886.0	
-492.0	CARBONDALE	DANVILLE	COAL	3.0	1034.0	
-518.0	CARBONDALE	HERRIN	COAL	-	1060.0	SH OVER LS ROOF
-560.0	CARBONDALE	BRIAR HILL	COAL	-	1102.0	
-566.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1108.0	SHALE ROOF
-641.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1183.0	

MAPID: 04900928000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 33

QUARTERS/FOOTAGES: 1020' N line, 330' E line of SE NW

QUADRANGLE: EBERLE

LONGITUDE: -88.429335

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.920368

DATE COLLECTED:

SURFACE ELEVATION (FT.): 544.0

LOGGED (FT.): 1205.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-155.0	BOND	CARTHAGE	LIMESTONE	7.0	699.0	
-354.0	MODESTO	TRIVOLI	SANDSTONE	20.0	898.0	
-382.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	926.0	
-511.0	CARBONDALE	DANVILLE	COAL	4.0	1055.0	
-546.0	CARBONDALE	HERRIN	COAL	3.5	1090.0	LS OVER SH ROOF
-581.0	CARBONDALE	BRIAR HILL	COAL	-	1125.0	
-588.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1132.0	SHALE ROOF
-661.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1205.0	

MAPID: 04900960000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 34

QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: EBERLE

LONGITUDE: -88.407935

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.91812

DATE COLLECTED:

SURFACE ELEVATION (FT.): 542.0

LOGGED (FT.): 1164.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-190.0	BOND	CARTHAGE	LIMESTONE	7.0	732.0	
-391.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	933.0	
-544.0	CARBONDALE	DANVILLE	COAL	4.0	1086.0	
-578.0	CARBONDALE	HERRIN	COAL	4.0	1120.0	SH OVER LS ROOF
-610.0	CARBONDALE	BRIAR HILL	COAL	-	1152.0	
-618.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1160.0	SHALE ROOF

MAPID: 04900360000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 35

QUARTERS/FOOTAGES: SW NE SW

QUADRANGLE: EBERLE

LONGITUDE: -88.393774

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 38.916051

DATE COLLECTED:

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 1355.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-184.0	BOND	CARTHAGE	LIMESTONE	5.0	720.0	
-369.0	MODESTO	WEST FRANKLIN	LIMESTONE	12.0	905.0	
-540.0	CARBONDALE	DANVILLE	COAL	3.0	1076.0	
-565.0	CARBONDALE	HERRIN	COAL	3.5	1101.0	SH OVER LS ROOF
-600.0	CARBONDALE	BRIAR HILL	COAL	2.5	1136.0	
-605.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1141.0	SHALE ROOF
-685.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1221.0	
-819.0	CARBONDALE	COLCHESTER	COAL	-	1355.0	

MAPID: 04900475000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 6N 7E

SECTION: 36

QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: LATONA

LONGITUDE: -88.372543

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 38.915784

DATE COLLECTED:

SURFACE ELEVATION (FT.): 540.0

LOGGED (FT.): 1240.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-204.0	BOND	CARTHAGE	LIMESTONE	6.0	744.0	
-384.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	924.0	
-548.0	CARBONDALE	DANVILLE	COAL	2.0	1088.0	
-590.0	CARBONDALE	HERRIN	COAL	3.5	1130.0	LS OVER SH ROOF
-620.0	CARBONDALE	BRIAR HILL	COAL	2.5	1160.0	
-627.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1167.0	SHALE ROOF
-700.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1240.0	

MAPID: 04900057000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM

TWP/RNG: 7N 4E

SECTION: 6

QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: ALTAMONT WEST

LONGITUDE: -88.796931

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 39.07986

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 622.5

LOGGED (FT.): 1848.0

LOG TYPE:

SOURCE: RMNE&STAND, EHLERS 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
114.5	BOND	CARTHAGE	LIMESTONE	-	508.0	
-117.5	CARBONDALE	HERRIN	COAL	-	740.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 04900014000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 7N 4E SECTION: 7 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.786874 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.072516 DATE COLLECTED: 6 / 6 / 1922

SURFACE ELEVATION (FT.): 625.9 LOGGED (FT.): 909.0 LOG TYPE: Drillers Log

SOURCE: E.A. NESBIT (ET. AL.) WELL TYPE: Oil and Gas Test

COMMENT: NOT A GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
625.9			UNCONSOLIDATED	94.0	0.0	
531.9	MATTOON	SHELBYVILLE	COAL	1.5	94.0	
530.4	MATTOON		BLUE SHALE	3.5	95.5	
526.9	MATTOON		LIMESTONE	11.0	99.0	
515.9	MATTOON		BLUE SHALE	26.0	110.0	
489.9	MATTOON		LIMESTONE	1.0	136.0	
488.9	MATTOON		SHALE	34.0	137.0	
454.9	MATTOON		LIMESTONE	4.0	171.0	LIME "SHELL"
450.9	MATTOON		BLUE SHALE	20.0	175.0	
430.9	MATTOON		LIMESTONE	1.0	195.0	
429.9	MATTOON		BLUE SHALE	60.0	196.0	
369.9	MATTOON		LIMESTONE	1.5	256.0	
368.4	MATTOON		SHALE	17.5	257.5	
350.9	BOND	MILLERSVILLE	LIMESTONE	6.0	275.0	
344.9	BOND		SHALE	73.0	281.0	
271.9	BOND		SANDSTONE	13.0	354.0	SAND
258.9	BOND		SHALE	39.0	367.0	
219.9	BOND		SANDSTONE	9.0	406.0	SAND
210.9	BOND		SHALE	55.0	415.0	
155.9	BOND		BLACK SHALE	5.0	470.0	
150.9	BOND		BROWN SHALE	20.0	475.0	
130.9	BOND		SANDSTONE	5.0	495.0	
125.9	BOND		BROWN SHALE	18.0	500.0	
107.9	BOND		SANDSTONE	19.0	518.0	SAND
88.9	BOND	CARTHAGE	LIMESTONE	3.0	537.0	
85.9	MODESTO		BLACK SHALE	15.0	540.0	
70.9	MODESTO		SANDSTONE	5.0	555.0	
65.9	MODESTO		BROWN SHALE	12.0	560.0	
53.9	MODESTO		COAL	5.0	572.0	THICKNESS QUESTIONABLE
48.9	MODESTO		SHALE	49.0	577.0	
-0.1	MODESTO	TRIVOLI	SANDSTONE	89.0	626.0	SAND
-89.1	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	715.0	
-92.1			BLUE SHALE	28.0	718.0	
-120.1			BLACK SHALE	4.0	746.0	
-124.1			LIMESTONE	4.0	750.0	PROBABLY CARBONDALE FORMATION
-128.1			BLUE SHALE	22.0	754.0	
-150.1			LIMESTONE	1.0	776.0	
-151.1			BLUE SHALE	49.0	777.0	
-200.1			LIMESTONE	2.0	826.0	

-202.1	BLACK SHALE	3.0	828.0	
-205.1	BLUE SHALE	5.0	831.0	
-210.1	LIMESTONE	5.0	836.0	
-215.1	BLACK SHALE	55.0	841.0	SLATE
-270.1	SANDSTONE	13.0	896.0	

MAPID: 04900014000C **VERSION:** 2 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 7 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.786874 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.072516 **DATE COLLECTED:** 0 / 0 / 1922
SURFACE ELEVATION (FT.): 625.9 **LOGGED (FT.):** 1248.0 **LOG TYPE:**
SOURCE: NESBIT ETL, BURROW 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
88.9	BOND	CARTHAGE	LIMESTONE	-	537.0	
-128.1	CARBONDALE	HERRIN	COAL	-	754.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 04900140000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 9 **QUARTERS/FOOTAGES:** 405' N line, 330' W line of SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.765574 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.065366 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 649.0 **LOGGED (FT.):** 2281.0 **LOG TYPE:**
SOURCE: MAGNOLIA, YAGOW F 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
41.0	BOND	CARTHAGE	LIMESTONE	-	608.0	
-211.0	CARBONDALE	HERRIN	COAL	-	860.0	COAL ERODED OR ABSENT

MAPID: 0490014000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 9 **QUARTERS/FOOTAGES:** 405' N line, 330' W line of SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.765574 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.065366 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 649.0 **LOGGED (FT.):** 1076.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
40.0	BOND	CARTHAGE	LIMESTONE	7.0	609.0	
-81.0	MODESTO	WEST FRANKLIN	LIMESTONE	20.0	730.0	
-195.0	CARBONDALE	DANVILLE	COAL	-	844.0	
-230.0	CARBONDALE	SPRINGFIELD	COAL	4.5	879.0	SHALE ROOF
-427.0	CARBONDALE	COLCHESTER	COAL	-	1076.0	

MAPID: 04900016000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 20 **QUARTERS/FOOTAGES:** SW NW SW
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.784772 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.033709 **DATE COLLECTED:** 0 / 0 / 1926
SURFACE ELEVATION (FT.): 621.0 **LOGGED (FT.):** 2052.0 **LOG TYPE:**
SOURCE: STCKHROIL, RADLOFF 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
78.0	BOND	CARTHAGE	LIMESTONE	-	543.0	
-199.0	CARBONDALE	HERRIN	COAL	-	820.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 04900042000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 22 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.737719 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.040589 **DATE COLLECTED:** 0 / 0 / 1938
SURFACE ELEVATION (FT.): 607.3 **LOGGED (FT.):** 2404.0 **LOG TYPE:**
SOURCE: KINGWOODOC, STROBLE 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
27.3	BOND	CARTHAGE	LIMESTONE	-	580.0	
-250.7	CARBONDALE	HERRIN	COAL	-	858.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 04900476000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 24 **QUARTERS/FOOTAGES:** NW NE NE
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.695425 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.045323 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 588.0 **LOGGED (FT.):** 1125.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-8.0	BOND	CARTHAGE	LIMESTONE	11.0	596.0	
-169.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	757.0	
-301.0	CARBONDALE	DANVILLE	COAL	-	889.0	
-343.0	CARBONDALE	SPRINGFIELD	COAL	5.0	931.0	SHALE ROOF
-537.0	CARBONDALE	COLCHESTER	COAL	-	1125.0	

MAPID: 04900635000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 24 **QUARTERS/FOOTAGES:** 610' S line, 510' E line of NE SE
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.69392 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.036981 **DATE COLLECTED:** 10 / 0 / 1963
SURFACE ELEVATION (FT.): 591.0 **LOGGED (FT.):** 1117.0 **LOG TYPE:** Electric 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	
-395.0	CARBONDALE	HERRIN	COAL	-	986.0	LITHOLOGY & CORRELATION UNCERTAIN
-526.0	CARBONDALE	COLCHESTER	COAL	-	1117.0	

MAPID: 04900418000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 4E **SECTION:** 25 **QUARTERS/FOOTAGES:** SE NE SW
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.702824 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.021378 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 586.0 **LOGGED (FT.):** 1108.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	BOND	CARTHAGE	LIMESTONE	7.0	613.0	
-171.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	757.0	
-297.0	CARBONDALE	DANVILLE	COAL	2.0	883.0	
-342.0	CARBONDALE	SPRINGFIELD	COAL	3.0	928.0	LS OVER SH ROOF
-522.0	CARBONDALE	COLCHESTER	COAL	-	1108.0	

MAPID: 04900477000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 4E

SECTION: 26

QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: ALTAMONT EAST

LONGITUDE: -88.723903

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.017153

DATE COLLECTED:

SURFACE ELEVATION (FT.): 596.0

LOGGED (FT.): 1098.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-12.0	BOND	CARTHAGE	LIMESTONE	5.0	608.0	
-159.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	755.0	
-285.0	CARBONDALE	DANVILLE	COAL	-	881.0	
-324.0	CARBONDALE	BRIAR HILL	COAL	2.5	920.0	
-331.0	CARBONDALE	SPRINGFIELD	COAL	4.0	927.0	SHALE ROOF
-414.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1010.0	
-502.0	CARBONDALE	COLCHESTER	COAL	-	1098.0	

MAPID: 04900339000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 4E

SECTION: 29

QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: ALTAMONT WEST

LONGITUDE: -88.78008

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.015313

DATE COLLECTED:

SURFACE ELEVATION (FT.): 617.0

LOGGED (FT.): 1076.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
42.0	BOND	CARTHAGE	LIMESTONE	8.0	575.0	
-81.0	MODESTO	TRIVOLI	SANDSTONE	148.0	698.0	
-253.0	CARBONDALE	SPRINGFIELD	COAL	4.0	870.0	SHALE ROOF
-326.0	CARBONDALE	HOUCHIN CREEK	COAL	-	943.0	
-459.0	CARBONDALE	COLCHESTER	COAL	-	1076.0	

MAPID: 04900092000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 1

QUARTERS/FOOTAGES: SE NE NE

QUADRANGLE: EFFINGHAM SOUTH

LONGITUDE: -88.577988

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 39.089067

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 586.0

LOGGED (FT.): 2630.0

LOG TYPE:

SOURCE: OHIO OIL, VOGT CLEM 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-34.0	BOND	CARTHAGE	LIMESTONE	-	620.0	
-380.0	CARBONDALE	HERRIN	COAL	-	966.0	COAL ERODED OR ABSENT

MAPID: 04900092000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 5E **SECTION:** 1 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.577988 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.089067 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 586.0 **LOGGED (FT.):** 1075.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-35.0	BOND	CARTHAGE	LIMESTONE	11.0	621.0	
-202.0	MODESTO	TRIVOLI	SANDSTONE	10.0	788.0	
-212.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	798.0	
-352.0	CARBONDALE	DANVILLE	COAL	2.5	938.0	
-405.0	CARBONDALE	SPRINGFIELD	COAL	4.0	991.0	SHALE ROOF
-489.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1075.0	

MAPID: 04900092000C **VERSION:** 3 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 5E **SECTION:** 1 **QUARTERS/FOOTAGES:** SE NE NE
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.577988 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 39.089067 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2630.0 **LOG TYPE:** Survey Sample Study
SOURCE: OHIO 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: 04900961000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 5E **SECTION:** 4 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.637015 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.081054 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 582.0 **LOGGED (FT.):** 1016.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-31.0	BOND	CARTHAGE	LIMESTONE	9.0	613.0	
-185.0	MODESTO	TRIVOLI	SANDSTONE	14.0	767.0	
-326.0	CARBONDALE	DANVILLE	COAL	2.0	908.0	
-370.0	CARBONDALE	SPRINGFIELD	COAL	3.0	952.0	LS OVER SH ROOF
-434.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1016.0	

MAPID: 04900641000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 5E **SECTION:** 5 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.653332 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.090097 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 596.0 **LOGGED (FT.):** 991.0 **LOG TYPE:** Nuclear Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-18.0	BOND	CARTHAGE	LIMESTONE	6.0	614.0	
-160.0	MODESTO	TRIVOLI	SANDSTONE	14.0	756.0	
-285.0	CARBONDALE	DANVILLE	COAL	3.0	881.0	
-330.0	CARBONDALE	SPRINGFIELD	COAL	4.0	926.0	SHALE ROOF
-395.0	CARBONDALE	HOUCHIN CREEK	COAL	-	991.0	

MAPID: 04900132000C **VERSION:** 1 **PROJECT:** CIRC 164
COUNTY: EFFINGHAM **TWP/RNG:** 7N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.616015 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 39.064482 **DATE COLLECTED:** 0 / 0 / 1945
SURFACE ELEVATION (FT.): 509.0 **LOGGED (FT.):** 2461.0 **LOG TYPE:**
SOURCE: SCHROCK W, SCHMOHE M 1 **WELL TYPE:** Oil and Gas Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-60.0	BOND	CARTHAGE	LIMESTONE	-	569.0	
-406.0	CARBONDALE	HERRIN	COAL	-	915.0	COAL ERODED OR ABSENT

MAPID: 04900132000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 5E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.616015 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.064482 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 509.0 **LOGGED (FT.):** 1015.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-59.0	BOND	CARTHAGE	LIMESTONE	11.0	568.0	
-195.0	MODESTO	TRIVOLI	SANDSTONE	4.0	704.0	
-233.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	742.0	
-379.0	CARBONDALE	DANVILLE	COAL	3.0	888.0	
-426.0	CARBONDALE	SPRINGFIELD	COAL	5.0	935.0	SHALE ROOF
-506.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1015.0	

MAPID: 04900019000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 13 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.585658

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.04834

DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 571.2 LOGGED (FT.): 2702.0

LOG TYPE:

SOURCE: JARVISMARC, REITZ A 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-48.8	BOND	CARTHAGE	LIMESTONE	-	620.0	
-378.8	CARBONDALE	HERRIN	COAL	-	950.0	COAL ERODED OR ABSENT

MAPID: 04900019000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 13 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.585658

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.04834

DATE COLLECTED:

SURFACE ELEVATION (FT.): 574.0 LOGGED (FT.): 1046.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	8.0	621.0	
-215.0	MODESTO	TRIVOLI	SANDSTONE	6.0	789.0	
-222.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	796.0	
-351.0	CARBONDALE	DANVILLE	COAL	-	925.0	
-403.0	CARBONDALE	SPRINGFIELD	COAL	4.0	977.0	SHALE ROOF
-472.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1046.0	

MAPID: 04900020000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 13 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.578518

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.053998

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 572.1 LOGGED (FT.): 2688.0

LOG TYPE:

SOURCE: GUSSMAN H, WAGNER WM 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-37.9	BOND	CARTHAGE	LIMESTONE	-	610.0	

MAPID: 04900478000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 14

QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: EFFINGHAM SOUTH

LONGITUDE: -88.597419

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.053649

DATE COLLECTED:

SURFACE ELEVATION (FT.): 568.0

LOGGED (FT.): 1130.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-207.0	MODESTO	TRIVOLI	SANDSTONE	9.0	775.0	
-218.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	786.0	
-350.0	CARBONDALE	DANVILLE	COAL	2.0	918.0	
-392.0	CARBONDALE	BRIAR HILL	COAL	-	960.0	
-402.0	CARBONDALE	SPRINGFIELD	COAL	3.0	970.0	SH OVER LS ROOF
-488.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1056.0	
-562.0	CARBONDALE	COLCHESTER	COAL	-	1130.0	

MAPID: 04900133000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 15

QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: ALTAMONT EAST

LONGITUDE: -88.627871

GEOLOGIST:

CONFIDENTIAL: N

LATITUDE: 39.056979

DATE COLLECTED: 0 / 0 / 1946

SURFACE ELEVATION (FT.): 555.0

LOGGED (FT.): 2414.0

LOG TYPE:

SOURCE: NAT ASSOC, COTTON V 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-50.0	BOND	CARTHAGE	LIMESTONE	-	605.0	
-383.0	CARBONDALE	HERRIN	COAL	-	938.0	COAL ERODED OR ABSENT

MAPID: 04900133000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 15

QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: ALTAMONT EAST

LONGITUDE: -88.627871

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.056979

DATE COLLECTED:

SURFACE ELEVATION (FT.): 555.0

LOGGED (FT.): 1026.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-51.0	BOND	CARTHAGE	LIMESTONE	10.0	606.0	
-213.0	MODESTO	TRIVOLI	SANDSTONE	6.0	768.0	
-221.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	776.0	
-353.0	CARBONDALE	DANVILLE	COAL	-	908.0	
-401.0	CARBONDALE	SPRINGFIELD	COAL	3.5	956.0	SH OVER LS ROOF
-471.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1026.0	

MAPID: 04900134000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 16 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: ALTAMONT EAST LONGITUDE: -88.644409

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.047718

DATE COLLECTED: 0 / 0 / 1942

SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 2331.0

LOG TYPE:

SOURCE: REWARD OC, ZIMMERMN J 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-18.0	BOND	CARTHAGE	LIMESTONE	-	530.0	
-348.0	CARBONDALE	HERRIN	COAL	-	860.0	COAL ERODED OR ABSENT

MAPID: 04900248000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 16 QUARTERS/FOOTAGES: NE SW NE

QUADRANGLE: ALTAMONT EAST LONGITUDE: -88.639613

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.056934

DATE COLLECTED:

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 1013.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-15.0	BOND	CARTHAGE	LIMESTONE	10.0	590.0	
-192.0	MODESTO	TRIVOLI	SANDSTONE	4.0	767.0	
-209.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	784.0	
-328.0	CARBONDALE	DANVILLE	COAL	-	903.0	
-367.0	CARBONDALE	SPRINGFIELD	COAL	4.0	942.0	SHALE ROOF
-438.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1013.0	

MAPID: 04900135000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 19 QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: ALTAMONT EAST LONGITUDE: -88.677973

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.038512

DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 534.0 LOGGED (FT.): 2431.0

LOG TYPE:

SOURCE: FRYER R J, GIESEKING 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	BOND	CARTHAGE	LIMESTONE	-	556.0	
-338.0	CARBONDALE	HERRIN	COAL	-	872.0	COAL ERODED OR ABSENT

MAPID: 04900135000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 19

QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: ALTAMONT EAST

LONGITUDE: -88.677973

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 39.038512

DATE COLLECTED:

SURFACE ELEVATION (FT.): 534.0

LOGGED (FT.): 984.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-22.0	BOND	CARTHAGE	LIMESTONE	8.0	556.0	
-168.0	MODESTO	TRIVOLI	SANDSTONE	22.0	702.0	
-194.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	728.0	
-322.0	CARBONDALE	DANVILLE	COAL	-	856.0	
-370.0	CARBONDALE	SPRINGFIELD	COAL	3.0	904.0	SHALE ROOF
-450.0	CARBONDALE	HOUCHIN CREEK	COAL	-	984.0	

MAPID: 04900292000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 21

QUARTERS/FOOTAGES: 760' S line, 330' E line of NE NW

QUADRANGLE: ALTAMONT EAST

LONGITUDE: -88.644417

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 39.045252

DATE COLLECTED:

SURFACE ELEVATION (FT.): 569.0

LOGGED (FT.): 1036.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-45.0	BOND	CARTHAGE	LIMESTONE	9.0	614.0	
-198.0	MODESTO	TRIVOLI	SANDSTONE	5.0	767.0	
-207.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	776.0	
-337.0	CARBONDALE	DANVILLE	COAL	2.5	906.0	
-387.0	CARBONDALE	SPRINGFIELD	COAL	3.0	956.0	SH OVER LS ROOF
-467.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1036.0	

MAPID: 0490048000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 22 QUARTERS/FOOTAGES: 660' S line, 330' E line
 QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.616396 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.034185 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 1080.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-58.0	BOND	CARTHAGE	LIMESTONE	8.0	573.0	
-215.0	MODESTO	TRIVOLI	SANDSTONE	8.0	730.0	
-226.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	741.0	
-354.0	CARBONDALE	DANVILLE	COAL	2.5	869.0	
-400.0	CARBONDALE	BRIAR HILL	COAL	-	915.0	
-403.0	CARBONDALE	SPRINGFIELD	COAL	4.0	918.0	SHALE ROOF
-565.0	CARBONDALE	COLCHESTER	COAL	-	1080.0	

MAPID: 04900136000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 23 QUARTERS/FOOTAGES: SW SW NE
 QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.604618 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 39.040751 DATE COLLECTED: 0 / 0 / 1946
 SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 2478.0 LOG TYPE:
 SOURCE: INLND PRO, WHITE CHAS 1 WELL TYPE: Oil and Gas Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-69.0	BOND	CARTHAGE	LIMESTONE	-	624.0	
-397.0	CARBONDALE	HERRIN	COAL	-	952.0	ERODED OR ABSENT: CORRELATION UNCERTAIN

MAPID: 04900345000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 23

QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: EFFINGHAM SOUTH

LONGITUDE: -88.609252

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.046096

DATE COLLECTED:

SURFACE ELEVATION (FT.): 503.0

LOGGED (FT.): 1078.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	7.0	545.0	
-217.0	MODESTO	TRIVOLI	SANDSTONE	8.0	720.0	
-228.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	731.0	
-360.0	CARBONDALE	DANVILLE	COAL	2.5	863.0	
-387.0	CARBONDALE	HERRIN	COAL	4.0	890.0	LS OVER SH ROOF
-410.0	CARBONDALE	SPRINGFIELD	COAL	3.5	913.0	SHALE ROOF
-482.0	CARBONDALE	HOUCHIN CREEK	COAL	-	985.0	
-575.0	CARBONDALE	COLCHESTER	COAL	-	1078.0	

MAPID: 04900372000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 5E

SECTION: 24

QUARTERS/FOOTAGES: SW SE NE

QUADRANGLE: EFFINGHAM SOUTH

LONGITUDE: -88.581096

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.041095

DATE COLLECTED:

SURFACE ELEVATION (FT.): 570.0

LOGGED (FT.): 1046.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-47.0	BOND	CARTHAGE	LIMESTONE	7.0	617.0	
-210.0	MODESTO	TRIVOLI	SANDSTONE	6.0	780.0	
-220.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	790.0	
-348.0	CARBONDALE	DANVILLE	COAL	2.5	918.0	
-403.0	CARBONDALE	SPRINGFIELD	COAL	4.0	973.0	SHALE ROOF
-476.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1046.0	

MAPID: 04900137000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 25 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.588366

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.031882

DATE COLLECTED: 0 / 0 / 1944

SURFACE ELEVATION (FT.): 568.0 LOGGED (FT.): 2561.0

LOG TYPE:

SOURCE: LUTTRELL H, CURRY IDA 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-43.0	BOND	CARTHAGE	LIMESTONE	-	611.0	
-370.0	CARBONDALE	HERRIN	COAL	-	938.0	COAL ERODED OR ABSENT

MAPID: 04900137000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 25 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.588366

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.031882

DATE COLLECTED:

SURFACE ELEVATION (FT.): 568.0 LOGGED (FT.): 970.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-44.0	BOND	CARTHAGE	LIMESTONE	8.0	612.0	
-208.0	MODESTO	TRIVOLI	SANDSTONE	5.0	776.0	
-216.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	784.0	
-345.0	CARBONDALE	DANVILLE	COAL	-	913.0	
-398.0	CARBONDALE	SPRINGFIELD	COAL	4.0	966.0	SHALE ROOF

MAPID: 04900138000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 26 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.604866

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.022433

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 564.0 LOGGED (FT.): 2466.0

LOG TYPE:

SOURCE: PITT W H, CLAAR H B 1

WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-78.0	BOND	CARTHAGE	LIMESTONE	-	642.0	
-414.0	CARBONDALE	HERRIN	COAL	-	978.0	COAL ERODED OR ABSENT

MAPID: 04900138000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 26 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.604866 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.022433 DATE COLLECTED:

SURFACE ELEVATION (FT.): 564.0 LOGGED (FT.): 1100.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-78.0	BOND	CARTHAGE	LIMESTONE	7.0	642.0	
-247.0	MODESTO	TRIVOLI	SANDSTONE	19.0	811.0	
-386.0	CARBONDALE	DANVILLE	COAL	2.0	950.0	
-446.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1010.0	SH OVER LS ROOF
-536.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1100.0	

MAPID: 04900481000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 30 QUARTERS/FOOTAGES: 186' N line, 330' E line of NW NW

QUADRANGLE: ALTAMONT EAST LONGITUDE: -88.68821 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.031665 DATE COLLECTED:

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 985.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
7.0	BOND	CARTHAGE	LIMESTONE	5.0	553.0	
-162.0	MODESTO	TRIVOLI	SANDSTONE	16.0	722.0	
-296.0	CARBONDALE	DANVILLE	COAL	2.0	856.0	
-339.0	CARBONDALE	SPRINGFIELD	COAL	3.0	899.0	SHALE ROOF
-425.0	CARBONDALE	HOUCHIN CREEK	COAL	-	985.0	

MAPID: 04900389000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 33 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: ALTAMONT EAST LONGITUDE: -88.63567 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.005919 DATE COLLECTED:

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 1080.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-92.0	BOND	CARTHAGE	LIMESTONE	6.0	652.0	
-234.0	MODESTO	TRIVOLI	SANDSTONE	16.0	794.0	
-250.0	MODESTO	WEST FRANKLIN	LIMESTONE	2.0	810.0	
-372.0	CARBONDALE	DANVILLE	COAL	3.0	932.0	
-416.0	CARBONDALE	BRIAR HILL	COAL	-	976.0	
-424.0	CARBONDALE	SPRINGFIELD	COAL	4.0	984.0	SHALE ROOF
-520.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1080.0	

MAPID: 04900139000C VERSION: 1

PROJECT: CIRC 164

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 34 QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: ALTAMONT EAST LONGITUDE: -88.633274 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 39.016767 DATE COLLECTED: 0 / 0 / 1945

SURFACE ELEVATION (FT.): 563.0 LOGGED (FT.): 2525.0 LOG TYPE:

SOURCE: ENGLE G S, PARKS C 1 WELL TYPE: Oil and Gas Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-109.0	BOND	CARTHAGE	LIMESTONE	-	672.0	
-402.0	CARBONDALE	HERRIN	COAL	-	965.0	COAL ERODED OR ABSENT

MAPID: 04900363000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 5E SECTION: 34 QUARTERS/FOOTAGES: NE SE NW
 QUADRANGLE: ALTAMONT EAST LONGITUDE: -88.626197 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.013181 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 1100.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-107.0	BOND	CARTHAGE	LIMESTONE	6.0	657.0	
-264.0	MODESTO	TRIVOLI	SANDSTONE	8.0	814.0	
-275.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	825.0	
-400.0	CARBONDALE	DANVILLE	COAL	2.0	950.0	
-446.0	CARBONDALE	BRIAR HILL	COAL	-	996.0	
-456.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1006.0	LS OVER SH ROOF
-550.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1100.0	

MAPID: 04900538000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 2 QUARTERS/FOOTAGES: SE SW SE
 QUADRANGLE: DIETERICH LONGITUDE: -88.492401 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.075797 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 579.0 LOGGED (FT.): 1114.5 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: TKCOAL?LSROOF?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-107.0	BOND	CARTHAGE	LIMESTONE	8.0	686.0	
-279.0	MODESTO	TRIVOLI	SANDSTONE	26.0	858.0	
-308.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	887.0	
-464.0	CARBONDALE	DANVILLE	COAL	5.0	1043.0	
-532.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1111.0	

MAPID: 04900539000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 4 QUARTERS/FOOTAGES: SE NE SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.525169 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.080283 DATE COLLECTED:

SURFACE ELEVATION (FT.): 577.0 LOGGED (FT.): 1056.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-89.0	BOND	CARTHAGE	LIMESTONE	7.0	666.0	
-269.0	MODESTO	WEST FRANKLIN	LIMESTONE	12.0	846.0	
-419.0	CARBONDALE	DANVILLE	COAL	4.0	996.0	
-475.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1052.0	SH OVER LS ROOF

MAPID: 04900964000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 4 QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.541763 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.078747 DATE COLLECTED:

SURFACE ELEVATION (FT.): 586.0 LOGGED (FT.): 1145.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-98.0	BOND	CARTHAGE	LIMESTONE	10.0	684.0	
-270.0	MODESTO	TRIVOLI	SANDSTONE	7.0	856.0	
-280.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	866.0	
-426.0	CARBONDALE	DANVILLE	COAL	3.0	1012.0	
-477.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1063.0	SHALE ROOF
-559.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1145.0	

MAPID: 04901574000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 5 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.560639 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.077327 DATE COLLECTED:

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 1045.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	-	657.0	
-251.0	MODESTO	TRIVOLI	SANDSTONE	6.0	836.0	
-260.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	845.0	
-408.0	CARBONDALE	DANVILLE	COAL	3.0	993.0	
-455.0	CARBONDALE	BRIAR HILL	COAL	-	1040.0	
-465.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1050.0	SH OVER LS ROOF
-460.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1045.0	

MAPID: 04900347000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 6 QUARTERS/FOOTAGES: SE NW SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.567649 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.081334 DATE COLLECTED:

SURFACE ELEVATION (FT.): 581.0 LOGGED (FT.): 1011.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-58.0	BOND	CARTHAGE	LIMESTONE	11.0	639.0	
-224.0	MODESTO	TRIVOLI	SANDSTONE	6.0	805.0	
-233.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	814.0	
-378.0	CARBONDALE	DANVILLE	COAL	3.0	959.0	
-426.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1007.0	SHALE ROOF

MAPID: 04900540000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 7 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.570143 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.066499 DATE COLLECTED:

SURFACE ELEVATION (FT.): 582.0 LOGGED (FT.): 1000.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-39.0	BOND	CARTHAGE	LIMESTONE	8.0	621.0	
-214.0	MODESTO	TRIVOLI	SANDSTONE	9.0	796.0	
-225.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	807.0	
-364.0	CARBONDALE	DANVILLE	COAL	2.5	946.0	
-414.0	CARBONDALE	SPRINGFIELD	COAL	4.0	996.0	SH OVER LS ROOF

MAPID: 04900390000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 8 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.556027 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.068047 DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 1113.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-76.0	BOND	CARTHAGE	LIMESTONE	7.0	656.0	
-250.0	MODESTO	TRIVOLI	SANDSTONE	18.0	830.0	
-400.0	CARBONDALE	DANVILLE	COAL	3.0	980.0	
-441.0	CARBONDALE	BRIAR HILL	COAL	-	1021.0	
-451.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1031.0	SH OVER LS ROOF
-533.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1113.0	

MAPID: 04900541000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 6E **SECTION:** 14 **QUARTERS/FOOTAGES:** SW NW SE
QUADRANGLE: DIETERICH **LONGITUDE:** -88.495264 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.050204 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 569.0 **LOGGED (FT.):** 1172.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-121.0	BOND	CARTHAGE	LIMESTONE	8.0	690.0	
-321.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	890.0	
-477.0	CARBONDALE	DANVILLE	COAL	4.0	1046.0	
-530.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1099.0	SHALE ROOF
-603.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1172.0	

MAPID: 04900971000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: EFFINGHAM **TWP/RNG:** 7N 6E **SECTION:** 18 **QUARTERS/FOOTAGES:** 660' S line, 660' E line of NW
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.573832 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.056244 **DATE COLLECTED:** 4 / 0 / 1951
SURFACE ELEVATION (FT.): 578.0 **LOGGED (FT.):** 1125.0 **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	
-378.0	CARBONDALE	HERRIN	COAL	-	956.0	
-547.0	CARBONDALE	COLCHESTER	COAL	-	1125.0	LITHOLOGY & CORRELATION UNCERTAIN

MAPID: 04900972000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 6E **SECTION:** 18 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.568048 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.053473 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 568.0 **LOGGED (FT.):** 1075.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-42.0	BOND	CARTHAGE	LIMESTONE	6.0	610.0	
-220.0	MODESTO	TRIVOLI	SANDSTONE	5.0	788.0	
-228.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	796.0	
-369.0	CARBONDALE	DANVILLE	COAL	3.0	937.0	
-420.0	CARBONDALE	SPRINGFIELD	COAL	4.0	988.0	SHALE ROOF
-507.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1075.0	

MAPID: 04900542000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 20 QUARTERS/FOOTAGES: NW SE NW

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.556511 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.042348 DATE COLLECTED:

SURFACE ELEVATION (FT.): 563.0 LOGGED (FT.): 1092.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-63.0	BOND	CARTHAGE	LIMESTONE	7.0	626.0	
-237.0	MODESTO	TRIVOLI	SANDSTONE	7.0	800.0	
-247.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	810.0	
-382.0	CARBONDALE	DANVILLE	COAL	3.0	945.0	
-443.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1006.0	SH OVER LS ROOF
-529.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1092.0	

MAPID: 04900268000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 22 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.51395 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.041369 DATE COLLECTED:

SURFACE ELEVATION (FT.): 564.0 LOGGED (FT.): 1287.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-146.0	BOND	CARTHAGE	LIMESTONE	8.0	710.0	
-331.0	MODESTO	TRIVOLI	SANDSTONE	5.0	895.0	
-340.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	904.0	
-475.0	CARBONDALE	DANVILLE	COAL	3.0	1039.0	
-529.0	CARBONDALE	BRIAR HILL	COAL	2.5	1093.0	
-533.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1097.0	SH OVER LS ROOF
-609.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1173.0	
-723.0	CARBONDALE	COLCHESTER	COAL	-	1287.0	

MAPID: 04900543000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 24 QUARTERS/FOOTAGES: SE NE SW

QUADRANGLE: DIETERICH LONGITUDE: -88.479032 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.035094 DATE COLLECTED:

SURFACE ELEVATION (FT.): 559.0 LOGGED (FT.): 1184.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-155.0	BOND	CARTHAGE	LIMESTONE	6.0	714.0	
-327.0	MODESTO	TRIVOLI	SANDSTONE	24.0	886.0	
-356.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	915.0	
-487.0	CARBONDALE	DANVILLE	COAL	3.0	1046.0	
-513.0	CARBONDALE	HERRIN	COAL	-	1072.0	
-539.0	CARBONDALE	BRIAR HILL	COAL	2.0	1098.0	
-546.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1105.0	SH OVER LS ROOF
-625.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1184.0	

MAPID: 04900319000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 6E SECTION: 25 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: DIETERICH LONGITUDE: -88.476951 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.016697 DATE COLLECTED:

SURFACE ELEVATION (FT.): 562.0 LOGGED (FT.): 1177.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-132.0	BOND	CARTHAGE	LIMESTONE	6.0	694.0	
-324.0	MODESTO	TRIVOLI	SANDSTONE	10.0	886.0	
-338.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	900.0	
-468.0	CARBONDALE	DANVILLE	COAL	3.5	1030.0	
-490.0	CARBONDALE	HERRIN	COAL	3.0	1052.0	LS OVER SH ROOF
-518.0	CARBONDALE	BRIAR HILL	COAL	2.5	1080.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1088.0	SHALE ROOF
-615.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1177.0	

MAPID: 04900267000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 6E **SECTION:** 33 **QUARTERS/FOOTAGES:** NW SE NW
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.537992 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.012604 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 549.0 **LOGGED (FT.):** 1114.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-92.0	BOND	CARTHAGE	LIMESTONE	10.0	641.0	
-274.0	MODESTO	TRIVOLI	SANDSTONE	5.0	823.0	
-283.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	832.0	
-421.0	CARBONDALE	DANVILLE	COAL	3.5	970.0	
-444.0	CARBONDALE	HERRIN	COAL	3.0	993.0	LS OVER SH ROOF
-471.0	CARBONDALE	BRIAR HILL	COAL	2.5	1020.0	
-479.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1028.0	SHALE ROOF
-565.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1114.0	

MAPID: 04900107000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 6E **SECTION:** 35 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: DIETERICH **LONGITUDE:** -88.498044 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.009838 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 555.0 **LOGGED (FT.):** 1092.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-141.0	BOND	CARTHAGE	LIMESTONE	7.0	696.0	
-290.0	MODESTO	TRIVOLI	SANDSTONE	38.0	845.0	
-327.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	882.0	
-465.0	CARBONDALE	DANVILLE	COAL	4.0	1020.0	
-497.0	CARBONDALE	HERRIN	COAL	-	1052.0	LS OVER SH ROOF
-533.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1088.0	SH OVER LS ROOF

MAPID: 04900107000C **VERSION:** 2 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 6E **SECTION:** 35 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: DIETERICH **LONGITUDE:** -88.498044 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 39.009838 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2816.0 **LOG TYPE:** Survey Sample Study
SOURCE: KIOWA DRILLING **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: 04922408000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 1

QUARTERS/FOOTAGES: NE SW SW

QUADRANGLE: DIETERICH

LONGITUDE: -88.37616

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 39.077964

DATE COLLECTED:

SURFACE ELEVATION (FT.): 615.0

LOGGED (FT.): 1383.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-151.0	BOND	CARTHAGE	LIMESTONE	7.0	766.0	
-254.0	MODESTO	TRIVOLI	SANDSTONE	133.0	869.0	
-516.0	CARBONDALE	DANVILLE	COAL	3.5	1131.0	
-567.0	CARBONDALE	BRIAR HILL	COAL	-	1182.0	
-575.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1190.0	SH & SS ROOF
-768.0	CARBONDALE	COLCHESTER	COAL	-	1383.0	

MAPID: 04922978000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 1 QUARTERS/FOOTAGES: 20' N line, 2620' E line

QUADRANGLE: WHEELER LONGITUDE: -88.369659 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.089588 DATE COLLECTED: 8 / 28 / 1978

SURFACE ELEVATION (FT.): 597.0 LOGGED (FT.): 1264.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY, AND RESISTIVITY LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
597.0			UNCONSOLIDATED	18.0	0.0
579.0	MATTOON		GRAY SHALE	90.0	18.0
489.0	MATTOON		LIMESTONE	26.0	108.0
463.0	MATTOON	FALMOUTH	BLACK SHALE	9.0	134.0
454.0	MATTOON		GRAY SHALE	9.0	143.0
445.0	MATTOON	TROWBRIDGE	COAL	3.0	152.0
442.0	MATTOON		GRAY SHALE	21.0	155.0
421.0	MATTOON	INGRAHAM	DARK SHALE & BLACK SHALE	5.5	176.0
415.5	MATTOON		GRAY SHALE	5.5	181.5
410.0	MATTOON		SANDSTONE/SHALE	13.0	187.0
397.0	MATTOON		SHALE	25.0	200.0
372.0	MATTOON		LIMESTONE	9.0	225.0
363.0	MATTOON		SHALE & SANDSTONE	26.0	234.0
337.0	MATTOON	SHUMWAY	LIMESTONE	2.0	260.0
335.0	MATTOON	TEUTOPOLIS	DARK SHALE & BLACK SHALE	4.0	262.0
331.0	MATTOON		SANDSTONE	36.0	266.0
295.0	MATTOON		LIMESTONE	4.0	302.0
291.0	MATTOON		GRAY SHALE	26.0	306.0
265.0	MATTOON		LIMESTONE	4.0	332.0
261.0	MATTOON		SANDSTONE	31.0	336.0
230.0	MATTOON		GRAY SHALE	138.0	367.0
92.0	MATTOON		SANDSTONE	22.0	505.0
70.0	MATTOON		LIMESTONE	6.0	527.0
64.0	MATTOON		GRAY SHALE	67.0	533.0
-3.0	BOND	MILLERSVILLE	LIMESTONE	10.0	600.0
-13.0	BOND		SANDSTONE	12.0	610.0
-25.0	BOND		SHALE	124.0	622.0
-149.0	BOND		COAL	2.0	746.0
-151.0	BOND		SHALE	34.0	748.0
-185.0	BOND	CARTHAGE	LIMESTONE	8.0	782.0
-193.0	MODESTO	NEW HAVEN	BLACK SHALE	3.0	790.0
-196.0	MODESTO		GRAY SHALE	52.0	793.0
-248.0	MODESTO	CHAPEL	BLACK SHALE	4.0	845.0
-252.0	MODESTO		GRAY SHALE	54.0	849.0
-306.0	MODESTO		SANDSTONE	39.5	903.0
-345.5	MODESTO		SHALE	17.5	942.5
-363.0	MODESTO		SANDSTONE	40.0	960.0
-403.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	1000.0

-412.0	MODESTO		BLACK SHALE	2.0	1009.0	
-414.0	MODESTO		GRAY SHALE	124.0	1011.0	
-538.0	CARBONDALE	DANVILLE	COAL	4.0	1135.0	
-542.0	CARBONDALE		GRAY SHALE	12.0	1139.0	
-554.0	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	1151.0	MAYBE CONANT
-556.0	CARBONDALE		SHALE	3.0	1153.0	
-559.0	CARBONDALE	BRERETON	LIMESTONE	8.0	1156.0	
-567.0	CARBONDALE	ANNA	DARK SHALE	1.0	1164.0	
-568.0	CARBONDALE	HERRIN	COAL	6.0	1165.0	
-574.0	CARBONDALE		UNDERCLAY	2.0	1171.0	
-576.0	CARBONDALE		GRAY SHALE & LIMESTONE	22.0	1173.0	
-598.0	CARBONDALE	BRIAR HILL	COAL	2.0	1195.0	
-600.0	CARBONDALE		SHALE	2.5	1197.0	
-602.5	CARBONDALE	ST. DAVID	LIMESTONE	0.5	1199.5	
-603.0	CARBONDALE	TURNER MINE	BLACK SHALE	1.5	1200.0	
-604.5	CARBONDALE	SPRINGFIELD	COAL	5.0	1201.5	
-609.5	CARBONDALE		UNDERCLAY	12.5	1206.5	
-622.0	CARBONDALE		SHALE	45.0	1219.0	

MAPID: 04922476000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 3

QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: DIETERICH

LONGITUDE: -88.416404

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 39.077975

DATE COLLECTED:

SURFACE ELEVATION (FT.): 590.0

LOGGED (FT.): 1852.0

LOG TYPE: Nuclear Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-112.0	BOND	CARTHAGE	LIMESTONE	4.0	702.0	
-296.0	MODESTO	TRIVOLI	SANDSTONE	20.0	886.0	
-465.0	CARBONDALE	DANVILLE	COAL	3.5	1055.0	
-515.0	CARBONDALE	BRIAR HILL	COAL	3.0	1105.0	
-524.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1114.0	SH & SS ROOF
-590.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1180.0	
-1255.0			COAL	7.0	1845.0	

MAPID: 04922998000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 3 QUARTERS/FOOTAGES: 60' S line, 1875' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.405061 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.075542 DATE COLLECTED: 5 / 7 / 1979

SURFACE ELEVATION (FT.): 586.0 LOGGED (FT.): 1170.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY, RESIST. AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
586.0			UNCONSOLIDATED	37.0	0.0	
549.0	MATTOON		SANDSTONE	1.0	37.0	
548.0	MATTOON		DARK SHALE	3.0	38.0	
545.0	MATTOON		GRAY SHALE	17.0	41.0	
528.0	MATTOON		SANDSTONE	2.0	58.0	
526.0	MATTOON	FALMOUTH	DARK SHALE	14.0	60.0	
512.0	MATTOON		BLACK SHALE	2.0	74.0	
510.0	MATTOON	TROWBRIDGE	COAL	2.0	76.0	OFF E-LOG
508.0	MATTOON		GRAY SHALE	5.0	78.0	
503.0	MATTOON		LIMESTONE	1.0	83.0	
502.0	MATTOON		GRAY SHALE	0.5	84.0	
501.5	MATTOON		LIMESTONE	2.5	84.5	
499.0	MATTOON		GRAY SHALE	15.0	87.0	
484.0	MATTOON	INGRAHAM	BLACK SHALE	5.0	102.0	OFF GAMMA LOG
479.0	MATTOON		LIMESTONE W/ SHALE	11.5	107.0	
467.5	MATTOON		SANDSTONE	1.5	118.5	
466.0	MATTOON		GRAY SHALE	9.0	120.0	
457.0	MATTOON		SANDSTONE	2.0	129.0	
455.0	MATTOON		GRAY SHALE	4.0	131.0	
451.0	MATTOON		DARK SHALE & CLAYSTONE	3.0	135.0	
448.0	MATTOON		GRAY SHALE	23.0	138.0	
425.0	MATTOON		SANDSTONE	11.0	161.0	
414.0	MATTOON		GRAY SHALE	11.0	172.0	
403.0	MATTOON		LIMESTONE	0.5	183.0	
402.5	MATTOON		GRAY SHALE	13.0	183.5	
389.5	MATTOON		BLACK SHALE	2.0	196.5	
387.5	MATTOON		GRAY SHALE	3.0	198.5	
384.5	MATTOON	SHUMWAY	LIMESTONE	1.0	201.5	
383.5	MATTOON	TEUTOPOLIS	BLACK SHALE	4.5	202.5	OFF GAMMA LOG
379.0	MATTOON		GRAY & BLACK SHALE	3.3	207.0	
375.7	MATTOON		GRAY SHALE	23.7	210.3	
352.0	MATTOON		SANDSTONE	55.0	234.0	
297.0	MATTOON		GRAY SHALE	22.0	289.0	
275.0	MATTOON		CALCAREOUS SHALE	3.0	311.0	
272.0	MATTOON		GRAY SHALE	64.0	314.0	
208.0	MATTOON		SANDSTONE	2.0	378.0	
206.0	MATTOON		GRAY SHALE	63.0	380.0	
143.0	MATTOON		LIMESTONE	0.7	443.0	

142.3	MATTOON		BLACK SHALE	4.3	443.7	
138.0	MATTOON		DARK SHALE	10.0	448.0	
128.0	MATTOON		GRAY SHALE	2.0	458.0	
126.0	MATTOON		LIMESTONE & CONGLOMERATE	4.0	460.0	
122.0	MATTOON		GRAY SHALE	7.8	464.0	
114.2	MATTOON		SANDSTONE	2.2	471.8	
112.0	MATTOON		SHALE & SANDSTONE	5.0	474.0	
107.0	MATTOON		GRAY SHALE	18.0	479.0	
89.0	MATTOON		DARK SHALE	10.0	497.0	
79.0	MATTOON		GRAY SHALE	27.0	507.0	
52.0	MATTOON		COAL	1.0	534.0	
51.0	MATTOON		GRAY SHALE	2.0	535.0	
49.0	BOND	MILLERSVILLE	LIMESTONE	5.0	537.0	
44.0	BOND		GRAY SHALE	23.0	542.0	
21.0	BOND		SHALE & SANDSTONE	33.0	565.0	
-12.0	BOND		GRAY SHALE	32.5	598.0	
-44.5	BOND		BLACK SHALE	1.5	630.5	
-46.0	BOND		COAL	0.5	632.0	
-46.5	BOND		GRAY SHALE	37.5	632.5	
-84.0	BOND		COAL	2.0	670.0	
-86.0	BOND		GRAY SHALE	7.0	672.0	
-93.0	BOND		LIMESTONE	1.5	679.0	
-94.5	BOND		GRAY SHALE	9.5	680.5	
-104.0	BOND		SHALE & SANDSTONE	19.0	690.0	
-123.0	BOND	CARTHAGE	LIMESTONE	6.0	709.0	
-129.0	MODESTO		GRAY SHALE	1.0	715.0	
-130.0	MODESTO	NEW HAVEN	BLACK SHALE	0.5	716.0	
-130.5	MODESTO		GRAY SHALE	45.5	716.5	
-176.0	MODESTO		LIMESTONE	2.0	762.0	
-178.0	MODESTO		GRAY SHALE	16.0	764.0	
-194.0	MODESTO	CHAPEL	BLACK SHALE & CLAY	2.0	780.0	
-196.0	MODESTO		LIMESTONE	1.0	782.0	
-197.0	MODESTO		GRAY SHALE	87.0	783.0	
-284.0	MODESTO		BLACK SHALE	6.0	870.0	ACCORDING TO GAMMA LOG
-290.0	MODESTO		SHALE	16.0	876.0	
-306.0	MODESTO	TRIVOLI	SANDSTONE	54.0	892.0	
-360.0	MODESTO		SHALE	38.0	946.0	
-398.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.5	984.0	POOR LS VERY SHALY, SANDY
-403.5	MODESTO		GRAY SHALE	86.0	989.5	
-489.5	CARBONDALE	DANVILLE	COAL	4.5	1075.5	
-494.0	CARBONDALE		GRAY SHALE	8.0	1080.0	
-502.0	CARBONDALE	BANKSTON FORK	LIMESTONE	4.0	1088.0	MAY BE CONANT
-506.0	CARBONDALE		GRAY SHALE	2.5	1092.0	
-508.5	CARBONDALE	BRERETON	LIMESTONE	3.0	1094.5	
-511.5	CARBONDALE		GRAY SHALE	1.5	1097.5	
-513.0	CARBONDALE	ANNA	BLACK SHALE	2.0	1099.0	
-515.0	CARBONDALE	HERRIN	COAL	5.5	1101.0	

-520.5	CARBONDALE		GRAY SHALE	12.5	1106.5
-533.0	CARBONDALE		DARK SHALE	10.0	1119.0
-543.0	CARBONDALE	ST. DAVID	LIMESTONE	1.5	1129.0
-544.5	CARBONDALE	TURNER MINE	SHALE	1.2	1130.5
-545.7	CARBONDALE	SPRINGFIELD	COAL	3.8	1131.7
-549.5	CARBONDALE		GRAY SHALE	34.5	1135.5

MAPID: 04922532000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 7E **SECTION:** 4 **QUARTERS/FOOTAGES:** SW NE SE
QUADRANGLE: DIETERICH **LONGITUDE:** -88.421205 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.079726 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 594.0 **LOGGED (FT.):** 1549.0 **LOG TYPE:** Nuclear Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-131.0	BOND	CARTHAGE	LIMESTONE	5.0	725.0	
-304.0	MODESTO	TRIVOLI	SANDSTONE	37.0	898.0	
-344.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	938.0	
-492.0	CARBONDALE	DANVILLE	COAL	3.0	1086.0	
-515.0	CARBONDALE	HERRIN	COAL	5.0	1109.0	LS OVER SH ROOF
-546.0	CARBONDALE	BRIAR HILL	COAL	2.5	1140.0	
-554.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1148.0	SHALE ROOF
-609.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1203.0	
-951.0			COAL	4.0	1545.0	

MAPID: 04900553000C VERSION: 1

PROJECT: NCRDS87

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 8 QUARTERS/FOOTAGES: 1' S line, 1' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.436943

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 39.060597

DATE COLLECTED: 1 / 20 / 1905

SURFACE ELEVATION (FT.): LOGGED (FT.): 109.4

LOG TYPE: Drillers Log

SOURCE: SAMUEL FIELD

WELL TYPE: Coal Test

COMMENT: LOCATION AND ELEVATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNCONSOLIDATED	30.8	0.0	
-	MATTOON		UNCLASSIFIED	1.7	30.8	
-	MATTOON		SHALE	16.3	32.4	
-	MATTOON		UNCLASSIFIED	14.0	48.8	
-	MATTOON		SHALE	5.7	62.8	
-	MATTOON		LIMESTONE	0.5	68.4	
-	MATTOON		SHALE	2.0	68.9	
-	MATTOON	SHUMWAY	LIMESTONE	2.8	70.9	UNCERTAIN CORRELATION
-	MATTOON		SHALE	0.2	73.7	
-	MATTOON	OMEGA	LIMESTONE	3.5	73.8	UNCERTAIN CORRELATION
-	MATTOON		SHALE	30.1	77.3	
-	MATTOON		COAL	0.4	107.4	
-	MATTOON		SHALE	0.6	107.8	
-	MATTOON		COAL	0.3	108.4	
-	MATTOON		SHALE	0.3	108.8	
-	MATTOON		COAL	0.4	109.0	

MAPID: 04900975000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 8 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: DIETERICH LONGITUDE: -88.445194

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.070564

DATE COLLECTED:

SURFACE ELEVATION (FT.): 581.0 LOGGED (FT.): 1109.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-132.0	BOND	CARTHAGE	LIMESTONE	7.0	713.0	
-299.0	MODESTO	TRIVOLI	SANDSTONE	21.0	880.0	
-329.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	910.0	
-470.0	CARBONDALE	DANVILLE	COAL	3.0	1051.0	
-489.0	CARBONDALE	HERRIN	COAL	4.5	1070.0	LS OVER SH ROOF
-516.0	CARBONDALE	BRIAR HILL	COAL	3.0	1097.0	
-523.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1104.0	SHALE ROOF

MAPID: 0490048600C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 12

QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: WHEELER

LONGITUDE: -88.369264

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.066846

DATE COLLECTED:

SURFACE ELEVATION (FT.): 587.0

LOGGED (FT.): 1169.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-353.0	MODESTO	TRIVOLI	SANDSTONE	14.0	940.0	
-367.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	954.0	
-517.0	CARBONDALE	DANVILLE	COAL	3.0	1104.0	
-543.0	CARBONDALE	HERRIN	COAL	4.0	1130.0	LS OVER SH ROOF
-568.0	CARBONDALE	BRIAR HILL	COAL	2.5	1155.0	
-578.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1165.0	SHALE ROOF

MAPID: 04900487000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 13

QUARTERS/FOOTAGES: NW SW SW

QUADRANGLE: DIETERICH

LONGITUDE: -88.379182

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.048367

DATE COLLECTED:

SURFACE ELEVATION (FT.): 605.0

LOGGED (FT.): 1196.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?UDCLLS?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-162.0	BOND	CARTHAGE	LIMESTONE	6.0	767.0	
-352.0	MODESTO	TRIVOLI	SANDSTONE	29.0	957.0	
-385.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	990.0	
-529.0	CARBONDALE	DANVILLE	COAL	3.0	1134.0	
-553.0	CARBONDALE	HERRIN	COAL	-	1158.0	LS OVER SH ROOF
-581.0	CARBONDALE	BRIAR HILL	COAL	2.5	1186.0	
-587.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1192.0	SHALE ROOF

MAPID: 04900979000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 14 QUARTERS/FOOTAGES: SW SW SW

QUADRANGLE: DIETERICH LONGITUDE: -88.397762 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.0466 DATE COLLECTED:

SURFACE ELEVATION (FT.): 598.0 LOGGED (FT.): 1172.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: UNDCLY LS?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-162.0	BOND	CARTHAGE	LIMESTONE	5.0	760.0	
-354.0	MODESTO	TRIVOLI	SANDSTONE	20.0	952.0	
-376.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	974.0	
-518.0	CARBONDALE	DANVILLE	COAL	3.5	1116.0	
-542.0	CARBONDALE	HERRIN	COAL	4.0	1140.0	LS OVER SH ROOF
-564.0	CARBONDALE	BRIAR HILL	COAL	-	1162.0	
-570.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1168.0	SHALE ROOF

MAPID: 04923033000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 15 QUARTERS/FOOTAGES: 1380' N line, 1366' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.403512 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.056665 DATE COLLECTED: 6 / 9 / 1980

SURFACE ELEVATION (FT.): 590.0 LOGGED (FT.): 1389.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. IG80-15-9C WELL TYPE: Coal Test

COMMENT: GAMMA, DENS, RESIST, DRILL LOG & CORE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
590.0			UNCONSOLIDATED	24.0	0.0	
566.0	MATTOON		SILTSTONE	10.0	24.0	
556.0	MATTOON		SHALE	19.8	34.0	
536.2	MATTOON	FALMOUTH	BLACK SHALE	2.2	53.8	OFF GAMMA LOG
534.0	MATTOON		SHALE	22.0	56.0	
512.0	MATTOON		SANDSTONE	5.0	78.0	
507.0	MATTOON		GRAY SHALE	13.0	83.0	
494.0	MATTOON	TROWBRIDGE	COAL	1.0	96.0	
493.0	MATTOON		GRAY SHALE	10.5	97.0	
482.5	MATTOON		LIMESTONE	5.5	107.5	
477.0	MATTOON		SHALE	17.0	113.0	
460.0	MATTOON	BOGOTA	LIMESTONE	0.5	130.0	
459.5	MATTOON	INGRAHAM	BLACK SHALE	5.0	130.5	OFF GAMMA LOG
454.5	MATTOON		GRAY SHALE	8.5	135.5	
446.0	MATTOON		SANDSTONE	7.0	144.0	
439.0	MATTOON		GRAY SHALE	31.0	151.0	
408.0	MATTOON		COAL	1.0	182.0	
407.0	MATTOON		GRAY SHALE	6.0	183.0	
401.0	MATTOON		LIMESTONE	3.0	189.0	
398.0	MATTOON		GRAY SHALE	4.0	192.0	
394.0	MATTOON		LIMESTONE	0.5	196.0	
393.5	MATTOON		GRAY SHALE	32.0	196.5	
361.5	MATTOON		LIMESTONE	1.0	228.5	
360.5	MATTOON		GRAY SHALE	10.5	229.5	
350.0	MATTOON		LIMESTONE	1.5	240.0	
348.5	MATTOON		GRAY SHALE	4.5	241.5	
344.0	MATTOON	SHUMWAY	LIMESTONE	1.5	246.0	
342.5	MATTOON	TEUTOPOLIS	BLACK SHALE	7.5	247.5	
335.0	MATTOON		GRAY SHALE	23.5	255.0	
311.5	MATTOON		LIMESTONE	1.5	278.5	
310.0	MATTOON		GRAY SHALE	1.5	280.0	
308.5	MATTOON		SANDSTONE	19.5	281.5	
289.0	MATTOON		GRAY SHALE	49.0	301.0	
240.0	MATTOON		LIMESTONE	5.5	350.0	
234.5	MATTOON		GRAY SHALE	6.5	355.5	
228.0	MATTOON		LIMESTONE	1.0	362.0	
227.0	MATTOON		GRAY SHALE	77.0	363.0	
150.0	MATTOON		SANDSTONE	10.0	440.0	
140.0	MATTOON		GRAY SHALE	9.0	450.0	

131.0	MATTOON		LIMESTONE	1.0	459.0	
130.0	MATTOON		GRAY SHALE	26.0	460.0	
104.0	MATTOON		LIMESTONE	1.0	486.0	
103.0	MATTOON		COAL	0.5	487.0	
102.5	MATTOON		SHALE	34.5	487.5	
68.0	MATTOON		LIMESTONE	0.8	522.0	
67.2	MATTOON		GRAY SHALE	1.2	522.8	
66.0	MATTOON		LIMESTONE	1.0	524.0	
65.0	MATTOON		GRAY SHALE	28.0	525.0	
37.0	MATTOON		COAL	1.0	553.0	
36.0	MATTOON		GRAY SHALE	2.0	554.0	
34.0	BOND	MILLERSVILLE	LIMESTONE	7.0	556.0	
27.0	BOND		GRAY SHALE	7.0	563.0	
20.0	BOND		SANDSTONE	6.0	570.0	
14.0	BOND		GRAY SHALE	50.0	576.0	
-36.0	BOND		SANDSTONE	10.0	626.0	
-46.0	BOND		GRAY SHALE	44.0	636.0	
-90.0	BOND		COAL	1.5	680.0	
-91.5	BOND		GRAY SHALE	10.5	681.5	
-102.0	BOND		SANDSTONE	14.0	692.0	
-116.0	BOND		GRAY SHALE	17.0	706.0	
-133.0	BOND	CARTHAGE	LIMESTONE	7.0	723.0	
-140.0	MODESTO	NEW HAVEN	BLACK SHALE & CLAY	2.5	730.0	
-142.5	MODESTO		GRAY SHALE	1.5	732.5	
-144.0	MODESTO		SANDSTONE	8.0	734.0	
-152.0	MODESTO		GRAY SHALE	48.5	742.0	
-200.5	MODESTO	CHAPEL	BLACK SHALE	1.5	790.5	
-202.0	MODESTO		GRAY SHALE	2.0	792.0	
-204.0	MODESTO		LIMESTONE	1.0	794.0	
-205.0	MODESTO		GRAY SHALE	5.0	795.0	
-210.0	MODESTO		SANDSTONE	32.0	800.0	
-242.0	MODESTO		GRAY SHALE	44.0	832.0	
-286.0	MODESTO		SANDSTONE	15.0	876.0	
-301.0	MODESTO		BLACK SHALE & CLAY	2.0	891.0	
-303.0	MODESTO		GRAY SHALE	7.0	893.0	
-310.0	MODESTO		SANDSTONE	55.0	900.0	
-365.0	MODESTO		GRAY SHALE	3.0	955.0	
-368.0	MODESTO		LIMESTONE	0.6	958.0	
-368.6	MODESTO		GRAY SHALE	2.4	958.6	
-371.0	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	961.0	
-374.0	MODESTO		GRAY SHALE	116.0	964.0	
-490.0	CARBONDALE	DANVILLE	COAL	0.5	1080.0	
-490.5	CARBONDALE	DANVILLE	COAL	3.0	1080.5	CORE #1 1080.5-1095.5
-493.5	CARBONDALE		SHALE	6.5	1083.5	
-500.0	CARBONDALE	BANKSTON FORK	LIMESTONE	5.2	1090.0	UNCERTAIN CORRELATION
-505.2	CARBONDALE		CORE LOSS	0.3	1095.2	
-505.5	CARBONDALE		BLACK SHALE	0.5	1095.5	CORE #2 1095.5-1102.5

-506.0	CARBONDALE		CALCAREOUS SHALE	0.7	1096.0	
-506.7	CARBONDALE	BRERETON	LIMESTONE	5.9	1096.7	
-512.5	CARBONDALE		LIMESTONE W/ COAL	1.2	1102.5	CORE #3 1102.5-1117.5
-513.7	CARBONDALE	HERRIN	COAL	3.8	1103.7	
-517.5	CARBONDALE	HERRIN	BLACK SHALE	0.1	1107.5	
-517.6	CARBONDALE	HERRIN	COAL	0.6	1107.6	
-518.2	CARBONDALE	HERRIN	PYRITE	0.1	1108.2	
-518.3	CARBONDALE	HERRIN	COAL	1.1	1108.3	
-519.4	CARBONDALE		BLACK SHALE	0.2	1109.4	
-519.5	CARBONDALE		UNDERCLAY	1.0	1109.5	
-520.5	CARBONDALE		UNDERCLAY & LIMESTONE	1.1	1110.5	
-521.6	CARBONDALE		LIMESTONE	2.1	1111.6	
-523.7	CARBONDALE		CALCAREOUS SHALE	3.2	1113.7	
-526.9	CARBONDALE		CORE LOSS	0.6	1116.9	
-527.5	CARBONDALE		GRAY SHALE	6.6	1117.5	CORE #4 1117.5-1124.5
-534.1	CARBONDALE		CORE LOSS	0.5	1124.1	
-534.5	CARBONDALE		GRAY SHALE	6.0	1124.5	E-LOG SHOWS #5A COAL AT 1128-1130
-540.5	CARBONDALE	ST. DAVID	LIMESTONE	5.5	1130.5	
-546.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1136.0	
-550.5	CARBONDALE		GRAY SHALE	9.5	1140.5	
-560.0	CARBONDALE		SANDSTONE	44.0	1150.0	
-604.0	CARBONDALE		GRAY SHALE	17.0	1194.0	
-621.0	CARBONDALE		BLACK SHALE	1.5	1211.0	
-622.5	CARBONDALE	HANOVER	LIMESTONE	1.0	1212.5	
-623.5	CARBONDALE	EXCELLO	BLACK SHALE	3.0	1213.5	
-626.5	CARBONDALE	HOUCHIN CREEK	COAL	1.0	1216.5	
-627.5	CARBONDALE		GRAY SHALE	61.0	1217.5	
-688.5	CARBONDALE	SURVANT - UPPER	COAL	1.0	1278.5	
-689.5	CARBONDALE		GRAY SHALE	25.5	1279.5	
-715.0	CARBONDALE	SURVANT - LOWER	COAL	0.8	1305.0	
-715.8	CARBONDALE		GRAY SHALE	5.2	1305.8	
-721.0	CARBONDALE		SANDSTONE	2.5	1311.0	
-723.5	CARBONDALE		GRAY SHALE	28.5	1313.5	
-752.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	3.5	1342.0	CORE #5 1342-1357
-755.5	CARBONDALE	COLCHESTER	COAL	0.1	1345.5	
-755.6	SPOON		UNDERCLAY	2.2	1345.6	
-757.8	SPOON		LIMESTONE	4.2	1347.8	
-762.0	SPOON		GRAY SHALE	4.7	1352.0	
-766.6	SPOON	PALZO	SANDSTONE	0.2	1356.6	
-766.8	SPOON	PALZO	CORE LOSS	0.2	1356.8	
-767.0	SPOON	PALZO	SANDSTONE	8.0	1357.0	CORE #6 1357-1372
-775.0	SPOON		GRAY SHALE	1.5	1365.0	
-776.5	SPOON	SEELYVILLE	COAL	0.5	1366.5	6' LOWER THAN ON E-LOG
-777.0	SPOON	SEELYVILLE	GRAY SHALE	3.7	1367.0	
-780.7	SPOON	SEELYVILLE	COAL	1.3	1370.7	
-782.0	SPOON	SEELYVILLE	COAL	1.7	1372.0	CORE #7 1372-1382
-783.7	SPOON		UNDERCLAY	1.3	1373.7	

-785.0	SPOON	GRAY SHALE	5.0	1375.0	
-790.0	SPOON	SANDSTONE	2.0	1380.0	
-792.0	SPOON	SANDSTONE	5.0	1382.0	CORE #8 1382-1389
-797.0	SPOON	SANDSTONE/SHALE	2.0	1387.0	

MAPID: 04900114000C **VERSION:** 1 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** 330' S line, 330' W line
QUADRANGLE: DIETERICH **LONGITUDE:** -88.436046 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 39.046768 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2810.0 **LOG TYPE:** Survey Sample Study
SOURCE: SHERMAN & LANE **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: 04900980000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 7N 7E **SECTION:** 16 **QUARTERS/FOOTAGES:** NE NE NE
QUADRANGLE: DIETERICH **LONGITUDE:** -88.419055 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.059513 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 584.0 **LOGGED (FT.):** 1112.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
-133.0	BOND	CARTHAGE	LIMESTONE	6.0	717.0	
-472.0	CARBONDALE	DANVILLE	COAL	3.0	1056.0	
-494.0	CARBONDALE	HERRIN	COAL	4.0	1078.0	LS OVER SH ROOF
-523.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1107.0	SHALE ROOF

MAPID: 04900982000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 19

QUARTERS/FOOTAGES: NE NW SE

QUADRANGLE: DIETERICH

LONGITUDE: -88.462083

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.037042

DATE COLLECTED:

SURFACE ELEVATION (FT.): 569.0

LOGGED (FT.): 1087.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-136.0	BOND	CARTHAGE	LIMESTONE	6.0	705.0	
-319.0	MODESTO	TRIVOLI	SANDSTONE	14.0	888.0	
-463.0	CARBONDALE	DANVILLE	COAL	3.0	1032.0	
-483.0	CARBONDALE	HERRIN	COAL	4.5	1052.0	LS OVER SH ROOF
-515.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1084.0	SHALE ROOF

MAPID: 04900656000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 20

QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: DIETERICH

LONGITUDE: -88.450205

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.044583

DATE COLLECTED:

SURFACE ELEVATION (FT.): 571.0

LOGGED (FT.): 1265.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-90.0	BOND	CARTHAGE	LIMESTONE	5.0	661.0	
-283.0	MODESTO	TRIVOLI	SANDSTONE	25.0	854.0	
-447.0	CARBONDALE	DANVILLE	COAL	2.5	1018.0	
-468.0	CARBONDALE	HERRIN	COAL	4.0	1039.0	LS OVER SH ROOF
-499.0	CARBONDALE	BRIAR HILL	COAL	2.0	1070.0	
-504.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1075.0	SHALE ROOF
-573.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1144.0	
-694.0	CARBONDALE	COLCHESTER	COAL	-	1265.0	

MAPID: 04900983000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 20 QUARTERS/FOOTAGES: SE SE SE

QUADRANGLE: DIETERICH LONGITUDE: -88.438494 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.031512 DATE COLLECTED:

SURFACE ELEVATION (FT.): 573.0 LOGGED (FT.): 1124.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-168.0	BOND	CARTHAGE	LIMESTONE	7.0	741.0	
-285.0	MODESTO	TRIVOLI	SANDSTONE	18.0	858.0	
-489.0	CARBONDALE	DANVILLE	COAL	2.5	1062.0	
-513.0	CARBONDALE	HERRIN	COAL	3.5	1086.0	LS OVER SH ROOF
-539.0	CARBONDALE	BRIAR HILL	COAL	-	1112.0	
-547.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1120.0	SHALE ROOF

MAPID: 04900488000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 23 QUARTERS/FOOTAGES: SW NE SE

QUADRANGLE: DIETERICH LONGITUDE: -88.384097 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.035512 DATE COLLECTED:

SURFACE ELEVATION (FT.): 592.0 LOGGED (FT.): 1235.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-155.0	BOND	CARTHAGE	LIMESTONE	6.0	747.0	
-342.0	MODESTO	TRIVOLI	SANDSTONE	24.0	934.0	
-366.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	958.0	
-518.0	CARBONDALE	DANVILLE	COAL	3.0	1110.0	
-542.0	CARBONDALE	HERRIN	COAL	4.5	1134.0	LS OVER SH ROOF
-576.0	CARBONDALE	BRIAR HILL	COAL	2.0	1168.0	
-582.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1174.0	SHALE ROOF
-643.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1235.0	

MAPID: 04900251000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 27 QUARTERS/FOOTAGES: SE SW SW

QUADRANGLE: DIETERICH LONGITUDE: -88.415029 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.016733 DATE COLLECTED:

SURFACE ELEVATION (FT.): 572.0 LOGGED (FT.): 1255.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	6.0	753.0	
-382.0	MODESTO	TRIVOLI	SANDSTONE	26.0	954.0	
-414.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	986.0	
-528.0	CARBONDALE	DANVILLE	COAL	4.0	1100.0	
-554.0	CARBONDALE	HERRIN	COAL	5.0	1126.0	LS OVER SH ROOF
-583.0	CARBONDALE	BRIAR HILL	COAL	2.0	1155.0	
-590.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1162.0	SHALE ROOF
-683.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1255.0	

MAPID: 04900987000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 28 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: DIETERICH LONGITUDE: -88.426666 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.024146 DATE COLLECTED:

SURFACE ELEVATION (FT.): 538.0 LOGGED (FT.): 1198.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-144.0	BOND	CARTHAGE	LIMESTONE	5.0	682.0	
-338.0	MODESTO	TRIVOLI	SANDSTONE	26.0	876.0	
-367.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	905.0	
-557.0	CARBONDALE	BRIAR HILL	COAL	-	1095.0	
-564.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1102.0	SHALE ROOF
-660.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1198.0	

MAPID: 04900489000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 29

QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: DIETERICH

LONGITUDE: -88.438512

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 39.02963

DATE COLLECTED:

SURFACE ELEVATION (FT.): 571.0

LOGGED (FT.): 1318.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-157.0	BOND	CARTHAGE	LIMESTONE	8.0	728.0	
-324.0	MODESTO	TRIVOLI	SANDSTONE	23.0	895.0	
-488.0	CARBONDALE	DANVILLE	COAL	3.0	1059.0	
-510.0	CARBONDALE	HERRIN	COAL	4.0	1081.0	LS OVER SH ROOF
-539.0	CARBONDALE	BRIAR HILL	COAL	-	1110.0	
-544.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1115.0	SHALE ROOF
-747.0	CARBONDALE	COLCHESTER	COAL	-	1318.0	

MAPID: 04900294000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 31

QUARTERS/FOOTAGES: SW NE SE

QUADRANGLE: DIETERICH

LONGITUDE: -88.460315

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 39.005517

DATE COLLECTED:

SURFACE ELEVATION (FT.): 563.0

LOGGED (FT.): 1336.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-180.0	BOND	CARTHAGE	LIMESTONE	8.0	743.0	
-366.0	MODESTO	TRIVOLI	SANDSTONE	17.0	929.0	
-391.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	954.0	
-502.0	CARBONDALE	DANVILLE	COAL	3.5	1065.0	
-524.0	CARBONDALE	HERRIN	COAL	4.5	1087.0	LS OVER SH ROOF
-556.0	CARBONDALE	BRIAR HILL	COAL	-	1119.0	
-561.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1124.0	SH OVER LS ROOF
-713.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1276.0	
-773.0	CARBONDALE	COLCHESTER	COAL	-	1336.0	

MAPID: 04900490000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 32

QUARTERS/FOOTAGES: SW SW NW

QUADRANGLE: DIETERICH

LONGITUDE: -88.456601

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 39.009175

DATE COLLECTED:

SURFACE ELEVATION (FT.): 567.0

LOGGED (FT.): 1327.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?UDCYLS?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-161.0	BOND	CARTHAGE	LIMESTONE	6.0	728.0	
-339.0	MODESTO	TRIVOLI	SANDSTONE	32.0	906.0	
-387.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	954.0	
-558.0	CARBONDALE	BRIAR HILL	COAL	-	1125.0	
-564.0	CARBONDALE	SPRINGFIELD	COAL	3.5	1131.0	SHALE ROOF
-656.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1223.0	
-760.0	CARBONDALE	COLCHESTER	COAL	-	1327.0	

MAPID: 04900994000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 33

QUARTERS/FOOTAGES: SW NW SW

QUADRANGLE: DIETERICH

LONGITUDE: -88.436368

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 39.005699

DATE COLLECTED:

SURFACE ELEVATION (FT.): 576.0

LOGGED (FT.): 1237.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?UDCYLS?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-150.0	BOND	CARTHAGE	LIMESTONE	6.0	726.0	
-329.0	MODESTO	TRIVOLI	SANDSTONE	52.0	905.0	
-383.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	959.0	
-507.0	CARBONDALE	DANVILLE	COAL	3.5	1083.0	
-529.0	CARBONDALE	HERRIN	COAL	5.0	1105.0	LS OVER SH ROOF
-560.0	CARBONDALE	BRIAR HILL	COAL	2.0	1136.0	
-564.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1140.0	SHALE ROOF
-661.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1237.0	

MAPID: 04922982000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 7N 7E SECTION: 33 QUARTERS/FOOTAGES: 57' N line, 110' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.418982 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.015599 DATE COLLECTED: 12 / 7 / 1978

SURFACE ELEVATION (FT.): 571.0 LOGGED (FT.): 1190.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: GAM,DENS,RESIST. & DRILL LOG & CORE DESC

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
571.0			UNCONSOLIDATED	55.0	0.0	
516.0	MATTOON		GRAY SHALE	19.0	55.0	
497.0	MATTOON	FALMOUTH	BLACK SHALE	3.0	74.0	UNCERTAIN CORRELATION
494.0	MATTOON		GRAY SHALE	4.0	77.0	
490.0	MATTOON		LIMESTONE	3.0	81.0	
487.0	MATTOON		SANDSTONE	2.0	84.0	
485.0	MATTOON		LIMESTONE	2.3	86.0	
482.7	MATTOON		SANDSTONE	2.7	88.3	
480.0	MATTOON		GRAY SHALE	15.0	91.0	
465.0	MATTOON	BOGOTA	LIMESTONE	1.0	106.0	
464.0	MATTOON		GRAY SHALE	3.0	107.0	
461.0	MATTOON	INGRAHAM	BLACK SHALE	4.0	110.0	
457.0	MATTOON		GRAY SHALE	2.0	114.0	
455.0	MATTOON		LIMESTONE	2.5	116.0	
452.5	MATTOON		GRAY SHALE	1.0	118.5	
451.5	MATTOON		SANDSTONE	6.5	119.5	
445.0	MATTOON		GRAY SHALE	35.0	126.0	
410.0	MATTOON		SANDSTONE	3.0	161.0	
407.0	MATTOON		GRAY SHALE	30.0	164.0	
377.0	MATTOON		LIMESTONE	1.0	194.0	
376.0	MATTOON		GRAY SHALE	3.0	195.0	
373.0	MATTOON		LIMESTONE W/ SHALE	5.0	198.0	
368.0	MATTOON		GRAY SHALE	16.5	203.0	
351.5	MATTOON	SHUMWAY	LIMESTONE	1.5	219.5	
350.0	MATTOON		GRAY SHALE	5.0	221.0	
345.0	MATTOON	TEUTOPOLIS	BLACK SHALE	4.0	226.0	
341.0	MATTOON		GRAY SHALE	80.0	230.0	
261.0	MATTOON		SHALE & SANDSTONE	6.0	310.0	
255.0	MATTOON		SANDSTONE	41.0	316.0	
214.0	MATTOON		GRAY SHALE	106.0	357.0	
108.0	MATTOON		LIMESTONE	5.0	463.0	
103.0	MATTOON		GRAY SHALE	4.0	468.0	
99.0	MATTOON		SANDSTONE/SHALE	5.0	472.0	
94.0	MATTOON		GRAY SHALE	78.0	477.0	
16.0	MATTOON		LIMESTONE	1.0	555.0	
15.0	MATTOON		GRAY SHALE	15.0	556.0	
0.0	BOND	MILLERSVILLE	LIMESTONE	3.2	571.0	
-3.2	BOND		GRAY SHALE	77.8	574.2	REST ACCORDING TO ELECTRIC LOGS
-81.0	BOND		COAL	1.0	652.0	

-82.0	BOND		CALCAREOUS SHALE	10.0	653.0	
-92.0	BOND		GRAY SHALE	29.0	663.0	
-121.0	BOND		COAL	2.0	692.0	
-123.0	BOND		GRAY SHALE	48.0	694.0	
-171.0	BOND	CARTHAGE	LIMESTONE	6.0	742.0	
-177.0	MODESTO	NEW HAVEN	BLACK SHALE	2.5	748.0	
-179.5	MODESTO		GRAY SHALE	49.5	750.5	
-229.0	MODESTO		BLACK SHALE	4.0	800.0	
-233.0	MODESTO		GRAY SHALE	97.5	804.0	
-330.5	MODESTO		BLACK SHALE	3.5	901.5	
-334.0	MODESTO		SHALE	35.0	905.0	
-369.0	MODESTO	TRIVOLI	SANDSTONE	49.0	940.0	SHALY
-418.0	MODESTO		GRAY SHALE	3.0	989.0	
-421.0	MODESTO		LIMESTONE	1.0	992.0	
-422.0	MODESTO		GRAY SHALE	13.0	993.0	
-435.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	1006.0	
-441.0	MODESTO		GRAY SHALE	85.0	1012.0	
-526.0	CARBONDALE	DANVILLE	COAL	3.5	1097.0	
-529.5	CARBONDALE		GRAY SHALE	13.0	1100.5	
-542.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	1113.5	MAY BE CONANT
-545.0	CARBONDALE		GRAY SHALE	3.0	1116.0	
-548.0	CARBONDALE	BRERETON	LIMESTONE	2.5	1119.0	
-550.5	CARBONDALE	ANNA	BLACK SHALE	0.5	1121.5	
-551.0	CARBONDALE	ANNA	BLACK SHALE	0.4	1122.0	CORE #1 CORE DESC. ADJUSTED 2' LOWER
-551.4	CARBONDALE	HERRIN	COAL	3.2	1122.4	1122-1129
-554.6	CARBONDALE	HERRIN	PYRITE	0.1	1125.6	
-554.7	CARBONDALE	HERRIN	COAL	2.2	1125.7	
-556.9	CARBONDALE		UNDERCLAY	1.2	1127.9	
-558.0	CARBONDALE		GRAY SHALE	26.0	1129.0	
-584.0	CARBONDALE	BRIAR HILL	COAL	2.0	1155.0	
-586.0	CARBONDALE		GRAY SHALE	4.0	1157.0	CORE #2
-590.0	CARBONDALE	TURNER MINE	BLACK SHALE	0.8	1161.0	1161-1167
-590.8	CARBONDALE	SPRINGFIELD	COAL	4.5	1161.8	
-595.3	CARBONDALE		UNDERCLAY	0.2	1166.3	
-595.5	CARBONDALE		CORE LOSS	0.5	1166.5	CORE LOSS
-596.0	CARBONDALE		CALCAREOUS SHALE	23.0	1167.0	

MAPID: 04900242000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 7N 7E

SECTION: 34

QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: DIETERICH

LONGITUDE: -88.417438

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.007507

DATE COLLECTED:

SURFACE ELEVATION (FT.): 571.0

LOGGED (FT.): 1326.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-171.0	BOND	CARTHAGE	LIMESTONE	6.0	742.0	
-323.0	MODESTO	TRIVOLI	SANDSTONE	57.0	894.0	
-522.0	CARBONDALE	DANVILLE	COAL	4.0	1093.0	
-547.0	CARBONDALE	HERRIN	COAL	5.0	1118.0	LS OVER SH ROOF
-582.0	CARBONDALE	BRIAR HILL	COAL	2.0	1153.0	
-587.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1158.0	SHALE ROOF
-659.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1230.0	
-755.0	CARBONDALE	COLCHESTER	COAL	-	1326.0	

MAPID: 04900620000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 8N 4E

SECTION: 2

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

QUADRANGLE: SHUMWAY

LONGITUDE: -88.727881

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.171551

DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0

LOGGED (FT.): 830.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
117.0	BOND	CARTHAGE	LIMESTONE	3.0	463.0	
-26.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	606.0	
-139.0	CARBONDALE	DANVILLE	COAL	-	719.0	
-171.0	CARBONDALE	SPRINGFIELD	COAL	3.5	751.0	SHALE ROOF
-250.0	CARBONDALE	HOUCHIN CREEK	COAL	-	830.0	

MAPID: 04900492000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 5 QUARTERS/FOOTAGES: SW NE SW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.779668 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.164693 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 831.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
138.0	BOND	CARTHAGE	LIMESTONE	6.0	464.0	
76.0	MODESTO	TRIVOLI	SANDSTONE	22.0	526.0	
-12.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	614.0	
-123.0	CARBONDALE	DANVILLE	COAL	-	725.0	
-166.0	CARBONDALE	SPRINGFIELD	COAL	3.0	768.0	LS OVER SH ROOF
-226.0	CARBONDALE	HOUCHIN CREEK	COAL	3.0	828.0	

MAPID: 04900090000C VERSION: 1

PROJECT: CONTROL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 6 QUARTERS/FOOTAGES: 530' N line, 330' W line of NW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.804326 GEOLOGIST: HINES
 CONFIDENTIAL: N LATITUDE: 39.171112 DATE COLLECTED:
 SURFACE ELEVATION (FT.): LOGGED (FT.): 1553.0 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: 04900609000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 6 QUARTERS/FOOTAGES: 330' S line, 360' W line of NW SW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.804346 GEOLOGIST: C TREWORGY
 CONFIDENTIAL: N LATITUDE: 39.164343 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 586.0 LOGGED (FT.): 723.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
203.0	BOND	CARTHAGE	LIMESTONE	4.0	383.0	
56.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	530.0	
-51.0	CARBONDALE	DANVILLE	COAL	-	637.0	
-137.0	CARBONDALE	HOUCHIN CREEK	COAL	-	723.0	

MAPID: 04900494000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 7 QUARTERS/FOOTAGES: 360' N line, 330' W line of NE

QUADRANGLE: BEECHER CITY LONGITUDE: -88.794443 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.158837 DATE COLLECTED:

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 762.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
174.0	BOND	CARTHAGE	LIMESTONE	10.0	426.0
28.0	MODESTO	WEST FRANKLIN	LIMESTONE	35.0	572.0
-78.0	CARBONDALE	DANVILLE	COAL	-	678.0
-162.0	CARBONDALE	HOUCHIN CREEK	COAL	-	762.0

MAPID: 04900613000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 7 QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: BEECHER CITY LONGITUDE: -88.804422 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.151589 DATE COLLECTED:

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 749.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
200.0	BOND	CARTHAGE	LIMESTONE	6.0	410.0
54.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	556.0
-51.0	CARBONDALE	DANVILLE	COAL	2.0	661.0
-87.0	CARBONDALE	SPRINGFIELD	COAL	2.5	697.0 SHALE ROOF
-139.0	CARBONDALE	HOUCHIN CREEK	COAL	-	749.0

MAPID: 04900495000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 8 QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: BEECHER CITY LONGITUDE: -88.779605 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.153733 DATE COLLECTED:

SURFACE ELEVATION (FT.): 615.0 LOGGED (FT.): 926.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
113.0	BOND	CARTHAGE	LIMESTONE	4.0	502.0
1.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	614.0
-107.0	CARBONDALE	DANVILLE	COAL	-	722.0
-142.0	CARBONDALE	SPRINGFIELD	COAL	2.5	757.0
-199.0	CARBONDALE	HOUCHIN CREEK	COAL	-	814.0
-311.0	CARBONDALE	COLCHESTER	COAL	-	926.0

MAPID: 04900496000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 8N 4E

SECTION: 14

QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: SHUMWAY

LONGITUDE: -88.718358

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 39.139734

DATE COLLECTED:

SURFACE ELEVATION (FT.): 618.0

LOGGED (FT.): 1037.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
87.0	BOND	CARTHAGE	LIMESTONE	10.0	531.0	
-64.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	682.0	
-181.0	CARBONDALE	DANVILLE	COAL	-	799.0	
-220.0	CARBONDALE	SPRINGFIELD	COAL	4.0	838.0	SHALE ROOF
-292.0	CARBONDALE	HOUCHIN CREEK	COAL	-	910.0	
-419.0	CARBONDALE	COLCHESTER	COAL	-	1037.0	

MAPID: 04900497000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 8N 4E

SECTION: 17

QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: BEECHER CITY

LONGITUDE: -88.784289

GEOLOGIST: C TREWORY

CONFIDENTIAL: N

LATITUDE: 39.14075

DATE COLLECTED:

SURFACE ELEVATION (FT.): 608.0

LOGGED (FT.): 776.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
162.0	BOND	CARTHAGE	LIMESTONE	3.0	446.0	
108.0	MODESTO	TRIVOLI	SANDSTONE	13.0	500.0	
30.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	578.0	
-73.0	CARBONDALE	DANVILLE	COAL	2.5	681.0	
-168.0	CARBONDALE	HOUCHIN CREEK	COAL	-	776.0	

MAPID: 04900611000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 18 QUARTERS/FOOTAGES: SW NW SE

QUADRANGLE: BEECHER CITY LONGITUDE: -88.794306 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.135207 DATE COLLECTED:

SURFACE ELEVATION (FT.): 616.0 LOGGED (FT.): 876.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
168.0	BOND	CARTHAGE	LIMESTONE	2.0	448.0
105.0	MODESTO	TRIVOLI	SANDSTONE	8.0	511.0
37.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	579.0
-69.0	CARBONDALE	DANVILLE	COAL	2.0	685.0
-108.0	CARBONDALE	SPRINGFIELD	COAL	2.0	724.0
-164.0	CARBONDALE	HOUCHIN CREEK	COAL	-	780.0
-260.0	CARBONDALE	COLCHESTER	COAL	-	876.0

MAPID: 04901027000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 19 QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.801851 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.120613 DATE COLLECTED:

SURFACE ELEVATION (FT.): 618.0 LOGGED (FT.): 784.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
1.0	MODESTO	TRIVOLI	SANDSTONE	44.0	617.0
-70.0	CARBONDALE	DANVILLE	COAL	-	688.0
-166.0	CARBONDALE	HOUCHIN CREEK	COAL	-	784.0

MAPID: 04901052000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 4E SECTION: 20 QUARTERS/FOOTAGES: NW NE SW

QUADRANGLE: ALTAMONT WEST LONGITUDE: -88.779632 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.122766 DATE COLLECTED:

SURFACE ELEVATION (FT.): 616.0 LOGGED (FT.): 866.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-26.0	MODESTO	WEST FRANKLIN	LIMESTONE	20.0	642.0
-250.0	CARBONDALE	HOUCHIN CREEK	COAL	-	866.0

MAPID: 04900501000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 4E **SECTION:** 30 **QUARTERS/FOOTAGES:** 330' N line, 330' W line
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.804442 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.115123 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 608.0 **LOGGED (FT.):** 764.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
56.0	MODESTO	TRIVOLI	SANDSTONE	89.0	552.0	
-33.0	MODESTO	WEST FRANKLIN	LIMESTONE	32.0	641.0	
-156.0	CARBONDALE	HOUCHIN CREEK	COAL	-	764.0	

MAPID: 04900600000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 4E **SECTION:** 31 **QUARTERS/FOOTAGES:** NE SE SE
QUADRANGLE: ALTAMONT WEST **LONGITUDE:** -88.786794 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.089684 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 612.0 **LOGGED (FT.):** 918.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-27.0	MODESTO	TRIVOLI	SANDSTONE	46.0	639.0	
-106.0	CARBONDALE	BRIAR HILL	COAL	-	718.0	
-117.0	CARBONDALE	SPRINGFIELD	COAL	3.0	729.0	SHALE ROOF
-208.0	CARBONDALE	HOUCHIN CREEK	COAL	-	820.0	
-306.0	CARBONDALE	COLCHESTER	COAL	-	918.0	

MAPID: 04900506000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 1 **QUARTERS/FOOTAGES:** 660' N line, 330' E line of NE SE
QUADRANGLE: EFFINGHAM NORTH **LONGITUDE:** -88.576805 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.170035 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 608.0 **LOGGED (FT.):** 1031.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-209.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	817.0	
-368.0	CARBONDALE	DANVILLE	COAL	3.5	976.0	
-414.0	CARBONDALE	BRIAR HILL	COAL	2.0	1022.0	
-419.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1027.0	SHALE ROOF

MAPID: 04901246000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 14 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: EFFINGHAM NORTH **LONGITUDE:** -88.595967 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.136237 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 1110.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-376.0	CARBONDALE	DANVILLE	COAL	-	975.0	
-421.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1020.0	SHALE ROOF
-511.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1110.0	

MAPID: 04900503000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 25 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: EFFINGHAM SOUTH **LONGITUDE:** -88.594172 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.107183 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 995.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-60.0	BOND	CARTHAGE	LIMESTONE	6.0	580.0	
-208.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	728.0	
-357.0	CARBONDALE	DANVILLE	COAL	2.5	877.0	
-402.0	CARBONDALE	SPRINGFIELD	COAL	3.0	922.0	SH OVER LS ROOF
-475.0	CARBONDALE	HOUCHIN CREEK	COAL	-	995.0	

MAPID: 04900504000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 28 **QUARTERS/FOOTAGES:** SE SE SE
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.634385 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.107025 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 602.0 **LOGGED (FT.):** 1060.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-37.0	BOND	CARTHAGE	LIMESTONE	7.0	639.0	
-187.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	789.0	
-327.0	CARBONDALE	DANVILLE	COAL	4.0	929.0	
-376.0	CARBONDALE	SPRINGFIELD	COAL	4.0	978.0	SH OVER LS ROOF
-458.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1060.0	

MAPID: 04900505000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.648485 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.103081 **DATE COLLECTED:** 6 / 0 / 1952
SURFACE ELEVATION (FT.): 602.0 **LOGGED (FT.):** 1155.0 **LOG TYPE:** Microresistivity Log
SOURCE: PURE OIL CO., THE **WELL TYPE:** Producer-Oil
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-358.0	CARBONDALE	HERRIN	COAL	-	960.0	
-553.0	CARBONDALE	COLCHESTER	COAL	-	1155.0	

MAPID: 04900505000C **VERSION:** 2 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** SE NW NW
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.648485 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.103081 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 602.0 **LOGGED (FT.):** 1055.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-58.0	BOND	CARTHAGE	LIMESTONE	6.0	660.0	
-192.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	794.0	
-333.0	CARBONDALE	DANVILLE	COAL	-	935.0	
-377.0	CARBONDALE	SPRINGFIELD	COAL	4.5	979.0	SHALE ROOF
-453.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1055.0	

MAPID: 04901057000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 33 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.641483 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.097602 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 596.0 **LOGGED (FT.):** 1028.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-40.0	BOND	CARTHAGE	LIMESTONE	6.0	636.0	
-180.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	776.0	
-319.0	CARBONDALE	DANVILLE	COAL	2.5	915.0	
-364.0	CARBONDALE	SPRINGFIELD	COAL	3.0	960.0	SH OVER LS ROOF
-432.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1028.0	

MAPID: 04900091000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW NE SW
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.627416 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.097724 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 594.0 **LOGGED (FT.):** 1028.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-16.0	BOND	CARTHAGE	LIMESTONE	7.0	610.0	
-166.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	760.0	
-310.0	CARBONDALE	DANVILLE	COAL	3.0	904.0	
-358.0	CARBONDALE	SPRINGFIELD	COAL	4.5	952.0	SH OVER LS ROOF
-434.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1028.0	

MAPID: 04900091000C **VERSION:** 2 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 5E **SECTION:** 34 **QUARTERS/FOOTAGES:** NW NE SW
QUADRANGLE: ALTAMONT EAST **LONGITUDE:** -88.627416 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 39.097724 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2385.0 **LOG TYPE:** Survey Sample Study
SOURCE: WEINERT, H. H., ESTATE **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: 04900606000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 6E **SECTION:** 2 **QUARTERS/FOOTAGES:** NW SW SW
QUADRANGLE: EFFINGHAM NORTH **LONGITUDE:** -88.503039 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.165499 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 618.0 **LOGGED (FT.):** 1119.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-224.0	BOND	CARTHAGE	LIMESTONE	14.0	842.0	
-421.0	CARBONDALE	BRIAR HILL	COAL	-	1039.0	
-437.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1055.0	SHALE ROOF
-501.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1119.0	

MAPID: 04901061000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 6E **SECTION:** 3 **QUARTERS/FOOTAGES:** SE NW SE
QUADRANGLE: EFFINGHAM NORTH **LONGITUDE:** -88.509923 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.167482 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 617.0 **LOGGED (FT.):** 1044.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?UDCYLS?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-227.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	844.0	
-384.0	CARBONDALE	DANVILLE	COAL	3.0	1001.0	
-423.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1040.0	SHALE ROOF

MAPID: 04900508000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 6E **SECTION:** 10 **QUARTERS/FOOTAGES:** NE NW SE
QUADRANGLE: EFFINGHAM NORTH **LONGITUDE:** -88.510042 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.15466 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 611.0 **LOGGED (FT.):** 1127.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?UNCYLS?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-241.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	852.0	
-402.0	CARBONDALE	DANVILLE	COAL	3.0	1013.0	
-429.0	CARBONDALE	HERRIN	COAL	4.0	1040.0	
-449.0	CARBONDALE	BRIAR HILL	COAL	-	1060.0	
-455.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1066.0	SHALE ROOF
-516.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1127.0	

MAPID: 04900509000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 6E **SECTION:** 11 **QUARTERS/FOOTAGES:** SW NW SW
QUADRANGLE: EFFINGHAM NORTH **LONGITUDE:** -88.503159 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.152699 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 611.0 **LOGGED (FT.):** 1116.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: TKCOAL?UNCYLS?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-227.0	MODESTO	WEST FRANKLIN	LIMESTONE	17.0	838.0	
-380.0	CARBONDALE	DANVILLE	COAL	3.5	991.0	
-420.0	CARBONDALE	BRIAR HILL	COAL	-	1031.0	
-426.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1037.0	SHALE ROOF
-505.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1116.0	

MAPID: 0492418600C VERSION: 1

PROJECT: ISGS96

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 15 QUARTERS/FOOTAGES: 360' S line, 380' E line

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.505789 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.134608 DATE COLLECTED: 6 / 19 / 1991

SURFACE ELEVATION (FT.): 596.0 LOGGED (FT.): 1290.0 LOG TYPE: Nuclear Log

SOURCE: BARGER ENGINEERING PALS NO. 1 WELL TYPE: Dry Hole

COMMENT: GAMMA-INDUCTION LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-97.0	BOND	CARTHAGE	LIMESTONE	5.0	693.0	
-234.0	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	830.0	
-237.0	MODESTO	WEST FRANKLIN	SHALE	4.0	833.0	
-241.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.5	837.0	
-415.0	CARBONDALE	ANNA	BLACK SHALE	1.5	1011.0	
-416.5	CARBONDALE	HERRIN	COAL	5.5	1012.5	
-444.0	CARBONDALE	BRIAR HILL	COAL	2.0	1040.0	
-446.0	CARBONDALE		SHALE	3.5	1042.0	
-449.5	CARBONDALE	ST. DAVID	LIMESTONE	3.5	1045.5	
-453.0	CARBONDALE	TURNER MINE	BLACK SHALE	2.5	1049.0	
-455.5	CARBONDALE	SPRINGFIELD	COAL	4.5	1051.5	
-519.0	CARBONDALE	EXCELLO	BLACK SHALE	5.0	1115.0	
-524.0	CARBONDALE	HOUCHIN CREEK	COAL	2.5	1120.0	
-607.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	3.0	1203.0	
-609.0	CARBONDALE	COLCHESTER	COAL	2.5	1205.0	
-649.0			BLACK SHALE	3.0	1245.0	
-691.0			BLACK SHALE	3.0	1287.0	

MAPID: 0490004400C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 16 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.531168 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.140443 DATE COLLECTED:

SURFACE ELEVATION (FT.): 606.0 LOGGED (FT.): 1089.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-266.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	872.0	
-428.0	CARBONDALE	DANVILLE	COAL	3.5	1034.0	
-453.0	CARBONDALE	HERRIN	COAL	4.5	1059.0	
-474.0	CARBONDALE	BRIAR HILL	COAL	-	1080.0	
-478.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1084.0	SHALE ROOF

MAPID: 04900045000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 18 QUARTERS/FOOTAGES: 410' N line, 385' E line of SE SW

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.571217 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.137508 DATE COLLECTED:

SURFACE ELEVATION (FT.): 603.0 LOGGED (FT.): 1167.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-269.0	MODESTO	WEST FRANKLIN	LIMESTONE	24.0	872.0	
-423.0	CARBONDALE	DANVILLE	COAL	4.0	1026.0	
-469.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1072.0	SH OVER LS ROOF
-564.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1167.0	

MAPID: 04900511000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 22 QUARTERS/FOOTAGES: NE NE NW

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.514951 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.132704 DATE COLLECTED:

SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 1102.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-114.0	BOND	CARTHAGE	LIMESTONE	5.0	681.0	
-249.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	816.0	
-403.0	CARBONDALE	DANVILLE	COAL	2.5	970.0	
-422.0	CARBONDALE	HERRIN	COAL	3.0	989.0	
-457.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1024.0	SH OVER LS ROOF
-535.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1102.0	

MAPID: 04900046000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 23 QUARTERS/FOOTAGES: 1060' N line, 250' W line

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.503593 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.130672 DATE COLLECTED:

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 1118.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-91.0	BOND	CARTHAGE	LIMESTONE	9.0	691.0	
-235.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	835.0	
-385.0	CARBONDALE	DANVILLE	COAL	-	985.0	
-409.0	CARBONDALE	HERRIN	COAL	-	1009.0	
-442.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1042.0	SH OVER LS ROOF
-518.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1118.0	

MAPID: 04901317000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 26 QUARTERS/FOOTAGES: NE SE SE

QUADRANGLE: DIETERICH LONGITUDE: -88.487366 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.106908 DATE COLLECTED:

SURFACE ELEVATION (FT.): 592.0 LOGGED (FT.): 1250.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-82.0	BOND	CARTHAGE	LIMESTONE	7.0	674.0	
-238.0	MODESTO	TRIVOLI	SANDSTONE	27.0	830.0	
-265.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	857.0	
-420.0	CARBONDALE	DANVILLE	COAL	3.0	1012.0	
-473.0	CARBONDALE	BRIAR HILL	COAL	-	1065.0	
-478.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1070.0	SHALE ROOF
-550.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1142.0	
-658.0	CARBONDALE	COLCHESTER	COAL	-	1250.0	

MAPID: 04900115000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 8N 6E

SECTION: 27

QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: EFFINGHAM SOUTH

LONGITUDE: -88.517808

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.107646

DATE COLLECTED:

SURFACE ELEVATION (FT.): 564.0

LOGGED (FT.): 1092.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	11.0	636.0	
-228.0	MODESTO	TRIVOLI	SANDSTONE	178.0	792.0	
-414.0	CARBONDALE	DANVILLE	COAL	-	978.0	
-456.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1020.0	SHALE ROOF
-528.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1092.0	

MAPID: 04900115000C VERSION: 2

PROJECT: CONTROL

COUNTY: EFFINGHAM

TWP/RNG: 8N 6E

SECTION: 27

QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: EFFINGHAM SOUTH

LONGITUDE: -88.517808

GEOLOGIST: HINES

CONFIDENTIAL: N

LATITUDE: 39.107646

DATE COLLECTED:

SURFACE ELEVATION (FT.):

LOGGED (FT.): 2572.0

LOG TYPE: Survey Sample Study

SOURCE: LUTTRELL HOMER ETAL

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: 04900002000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 29 QUARTERS/FOOTAGES:

QUADRANGLE: EFFINGHAM SOUTH

LONGITUDE: -88.551559

GEOLOGIST: R. SMITH

CONFIDENTIAL: N

LATITUDE: 39.112973

DATE COLLECTED: 0 / 0 / 1886

SURFACE ELEVATION (FT.):

LOGGED (FT.): 1175.0

LOG TYPE: Drillers Log

SOURCE: EFFINGHAM COAL CO.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNCONSOLIDATED	25.0	0.0	
-	MATTOON		SANDSTONE	7.0	25.0	
-	MATTOON		BLUE SHALE	9.0	32.0	
-	MATTOON		SANDSTONE	9.0	41.0	
-	MATTOON		SANDSTONE/SHALE	53.0	50.0	
-	MATTOON		DARK SHALE	25.0	103.0	
-	MATTOON		LIMESTONE	2.0	128.0	
-	MATTOON		BLACK SHALE	3.0	130.0	
-	MATTOON		SHALE	9.0	133.0	
-	MATTOON		SANDSTONE	8.0	142.0	
-	MATTOON		SANDSTONE/SHALE	4.0	150.0	
-	MATTOON		SANDSTONE	8.0	154.0	
-	MATTOON		GRAY SHALE	9.0	162.0	
-	MATTOON		SANDSTONE	14.0	171.0	
-	MATTOON		GRAY SHALE	18.0	185.0	
-	MATTOON		SANDSTONE	13.0	203.0	
-	MATTOON		SHALE	25.0	216.0	
-	MATTOON		SANDSTONE	79.0	241.0	
-	MATTOON		LIMESTONE	2.0	320.0	
-	MATTOON		BLUE SHALE	67.0	322.0	
-	MATTOON		BLACK SHALE	5.0	389.0	SLATE
-	MATTOON		CARBONACEOUS SHALE	1.0	394.0	
-	MATTOON		COAL	0.5	395.0	
-	MATTOON		BLACK SHALE	4.5	395.5	SLATE
-	MATTOON		SHALE	10.0	400.0	
-	MATTOON		BLACK SHALE	21.0	410.0	SLATE=BKSH
-	MATTOON		COAL	1.0	431.0	
-	MATTOON		UNDERCLAY	2.0	432.0	
-	MATTOON		BLACK SHALE	6.0	434.0	
-	MATTOON		SANDSTONE	7.0	440.0	
-	MATTOON		BLACK SHALE	6.0	447.0	
-	MATTOON		COAL	0.7	453.0	
-	MATTOON		SHALE	6.3	453.7	
-	BOND	MILLERSVILLE	LIMESTONE	7.0	460.0	
-	BOND	MILLERSVILLE	BLUE SHALE	7.0	467.0	
-	BOND	MILLERSVILLE	LIMESTONE	7.0	474.0	
-	BOND		SHALE	47.0	481.0	
-	BOND		COAL	0.3	528.0	
-	BOND		SHALE	4.8	528.3	

-	BOND		COAL	0.7	533.0	
-	BOND		SHALE	71.3	533.7	
-	BOND		BLACK SHALE	2.0	605.0	
-	BOND		BLUE SHALE	3.0	607.0	
-	BOND		CALCAREOUS SHALE	3.0	610.0	
-	BOND		SANDSTONE	20.0	613.0	
-	BOND		SHALE	17.0	633.0	
-	BOND		COAL WITH SHALE	1.2	650.0	
-	BOND		BLUE SHALE	7.8	651.2	
-	BOND		BLACK SHALE	2.0	659.0	
-	BOND		SHALE	53.0	661.0	
-	BOND	CARTHAGE	LIMESTONE	6.0	714.0	
-	MODESTO		BLACK SHALE	4.0	720.0	
-	MODESTO		SHALE	52.0	724.0	
-	MODESTO		BLACK SHALE	12.0	776.0	
-	MODESTO		SHALE	40.0	788.0	
-	MODESTO		LIMESTONE	3.0	828.0	
-	MODESTO		SHALE	12.0	831.0	
-	MODESTO		CLAYSTONE & SHALE	11.0	843.0	
-	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	854.0	
-	MODESTO	WEST FRANKLIN	SHALE	9.0	868.0	
-	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	877.0	
-	MODESTO		SHALE	8.0	882.0	
-	MODESTO		GRAY SHALE	79.0	890.0	
-	MODESTO		GRAY SHALE	27.0	969.0	SLATE
-	MODESTO		DARK SHALE	12.8	996.0	
-	CARBONDALE	DANVILLE	COAL	3.0	1008.8	
-	CARBONDALE		DARK SHALE	5.3	1011.8	
-	CARBONDALE		LIMESTONE	4.0	1017.0	
-	CARBONDALE	ANNA	BLACK SHALE	4.3	1021.0	
-	CARBONDALE	HERRIN	COAL	4.5	1025.3	
-	CARBONDALE		UNDERCLAY	3.2	1029.8	
-	CARBONDALE		LIMESTONE	10.0	1033.0	
-	CARBONDALE		SANDSTONE	9.0	1043.0	
-	CARBONDALE		BLACK SHALE	2.0	1052.0	
-	CARBONDALE	BRIAR HILL	COAL	1.2	1054.0	
-	CARBONDALE		UNDERCLAY	0.8	1055.2	
-	CARBONDALE	TURNER MINE	BLACK SHALE	3.3	1056.0	
-	CARBONDALE	SPRINGFIELD	COAL	4.7	1059.3	
-	CARBONDALE		UNDERCLAY	2.0	1064.0	
-	CARBONDALE		LIMESTONE	19.0	1066.0	
-	CARBONDALE		SANDSTONE	15.0	1085.0	
-	CARBONDALE		GRAY SHALE	29.0	1100.0	
-	CARBONDALE		SHALE	29.0	1129.0	SLATE
-	CARBONDALE	EXCELLO	BLACK SHALE	10.0	1158.0	
-	CARBONDALE		GRAY SHALE	7.0	1168.0	

MAPID: 04900584000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 31 QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.567201 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.099786 DATE COLLECTED:

SURFACE ELEVATION (FT.): 592.0 LOGGED (FT.): 1089.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-227.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	819.0	
-378.0	CARBONDALE	DANVILLE	COAL	2.5	970.0	
-388.0	CARBONDALE	HERRIN	COAL	-	980.0	
-420.0	CARBONDALE	BRIAR HILL	COAL	-	1012.0	
-433.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1025.0	SHALE ROOF
-497.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1089.0	

MAPID: 04900512000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 32 QUARTERS/FOOTAGES: SE NW SW

QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.558005 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.0959 DATE COLLECTED:

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 1129.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: LSROOF?LSUDCL?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-81.0	BOND	CARTHAGE	LIMESTONE	8.0	676.0	
-250.0	MODESTO	WEST FRANKLIN	LIMESTONE	21.0	845.0	
-408.0	CARBONDALE	DANVILLE	COAL	3.0	1003.0	
-455.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1050.0	SH OVER LS ROOF
-534.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1129.0	

MAPID: 04900513000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 33 QUARTERS/FOOTAGES: NW SE SW
 QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.536844 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.093518 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 1100.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: LSROOF?LSUDCL?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-106.0	BOND	CARTHAGE	LIMESTONE	11.0	689.0	
-260.0	MODESTO	TRIVOLI	SANDSTONE	15.0	843.0	
-286.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	869.0	
-446.0	CARBONDALE	DANVILLE	COAL	2.5	1029.0	
-507.0	CARBONDALE	BRIAR HILL	COAL	2.0	1090.0	
-513.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1096.0	SH OVER LS ROOF

MAPID: 04900514000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 34 QUARTERS/FOOTAGES: SE NE SW
 QUADRANGLE: EFFINGHAM SOUTH LONGITUDE: -88.515678 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.094934 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 524.0 LOGGED (FT.): 991.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-78.0	BOND	CARTHAGE	LIMESTONE	10.0	602.0	
-242.0	MODESTO	TRIVOLI	SANDSTONE	18.0	766.0	
-264.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	788.0	
-410.0	CARBONDALE	DANVILLE	COAL	3.0	934.0	
-457.0	CARBONDALE	BRIAR HILL	COAL	-	981.0	
-463.0	CARBONDALE	SPRINGFIELD	COAL	4.0	987.0	SHALE ROOF

MAPID: 04900311000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 6E SECTION: 35 QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: DIETERICH LONGITUDE: -88.494558 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.098012 DATE COLLECTED:

SURFACE ELEVATION (FT.): 593.0 LOGGED (FT.): 1250.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: TKCOAL?LSROOF?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-77.0	BOND	CARTHAGE	LIMESTONE	9.0	670.0	
-237.0	MODESTO	TRIVOLI	SANDSTONE	25.0	830.0	
-266.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	859.0	
-417.0	CARBONDALE	DANVILLE	COAL	3.5	1010.0	
-467.0	CARBONDALE	BRIAR HILL	COAL	2.0	1060.0	
-475.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1068.0	SHALE ROOF
-549.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1142.0	
-657.0	CARBONDALE	COLCHESTER	COAL	-	1250.0	

MAPID: 04900515000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 3 QUARTERS/FOOTAGES: 660' N line, 660' E line of SW

QUADRANGLE: TEUTOPOLIS LONGITUDE: -88.409397 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.167745 DATE COLLECTED:

SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 1144.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-96.0	BOND	CARTHAGE	LIMESTONE	5.0	698.0	
-186.0	MODESTO	TRIVOLI	SANDSTONE	70.0	788.0	
-258.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	860.0	
-404.0	CARBONDALE	DANVILLE	COAL	2.5	1006.0	
-429.0	CARBONDALE	HERRIN	COAL	5.0	1031.0	LS OVER SH ROOF
-448.0	CARBONDALE	BRIAR HILL	COAL	-	1050.0	
-453.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1055.0	SHALE ROOF
-542.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1144.0	

MAPID: 04901398000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 8N 7E

SECTION: 4

QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: TEUTOPOLIS

LONGITUDE: -88.426954

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 39.163182

DATE COLLECTED:

SURFACE ELEVATION (FT.): 604.0

LOGGED (FT.): 1180.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-111.0	BOND	CARTHAGE	LIMESTONE	6.0	715.0	
-198.0	MODESTO	TRIVOLI	SANDSTONE	67.0	802.0	
-266.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	870.0	
-418.0	CARBONDALE	DANVILLE	COAL	2.5	1022.0	
-443.0	CARBONDALE	HERRIN	COAL	5.0	1047.0	LS OVER SH ROOF
-472.0	CARBONDALE	BRIAR HILL	COAL	2.0	1076.0	
-480.0	CARBONDALE	SPRINGFIELD	COAL	5.5	1084.0	SHALE ROOF
-576.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1180.0	

MAPID: 04901081000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 8N 7E

SECTION: 6

QUARTERS/FOOTAGES: 1180' N line, 937' W line

QUADRANGLE: TEUTOPOLIS

LONGITUDE: -88.463819

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 39.168214

DATE COLLECTED:

SURFACE ELEVATION (FT.): 597.0

LOGGED (FT.): 1005.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-193.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	790.0	
-355.0	CARBONDALE	DANVILLE	COAL	3.5	952.0	
-377.0	CARBONDALE	HERRIN	COAL	5.0	974.0	LS OVER SH ROOF
-404.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1001.0	SHALE ROOF

MAPID: 04922979000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 8 QUARTERS/FOOTAGES: 63' S line, 198' W line

QUADRANGLE: TEUTOPOLIS LONGITUDE: -88.453125 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.147689 DATE COLLECTED: 9 / 12 / 1978

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 1100.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. IG-78-6 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS, RESIST AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
600.0			UNCONSOLIDATED	130.0	0.0	
470.0	MATTOON		SANDSTONE	21.0	130.0	
449.0	MATTOON		GRAY SHALE	6.0	151.0	
443.0	MATTOON		LIMESTONE	9.0	157.0	
434.0	MATTOON		SANDY SHALE	44.0	166.0	
390.0	MATTOON	TEUTOPOLIS	BLACK SHALE	10.0	210.0	THICKNESS OFF GAMMA LOG
380.0	MATTOON		GRAY SHALE	10.0	220.0	
370.0	MATTOON		SANDSTONE	61.0	230.0	
309.0	MATTOON		GRAY SHALE	18.0	291.0	
291.0	MATTOON		SANDSTONE	32.0	309.0	
259.0	MATTOON		GRAY SHALE	81.0	341.0	SANDY
178.0	MATTOON		BLACK SHALE	3.0	422.0	OFF GAMMA LOG
175.0	MATTOON		SANDSTONE	31.0	425.0	
144.0	MATTOON		SANDY SHALE	42.0	456.0	
102.0	BOND	MILLERSVILLE	LIMESTONE	9.0	498.0	
93.0	BOND	MILLERSVILLE	GRAY SHALE	5.0	507.0	
88.0	BOND	MILLERSVILLE	LIMESTONE	8.0	512.0	
80.0	BOND		SANDY SHALE	100.0	520.0	
-20.0	BOND		GRAY SHALE	45.0	620.0	
-65.0	BOND		COAL	1.0	665.0	
-66.0	BOND		GRAY SHALE	66.0	666.0	
-132.0	BOND	CARTHAGE	LIMESTONE	5.0	732.0	
-137.0	MODESTO	NEW HAVEN	BLACK SHALE	5.0	737.0	OFF GAMMA LOG
-142.0	MODESTO		GRAY SHALE	40.0	742.0	
-182.0	MODESTO	CHAPEL	COAL	2.0	782.0	
-184.0	MODESTO		GRAY SHALE	58.0	784.0	
-242.0	MODESTO		SANDSTONE	44.0	842.0	
-286.0	MODESTO		SHALE	10.0	886.0	
-296.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	896.0	
-300.0	MODESTO		GRAY & BLACK SHALE	128.2	900.0	
-428.2	CARBONDALE	DANVILLE	COAL	3.3	1028.2	
-431.5	CARBONDALE		UNDERCLAY	2.5	1031.5	
-434.0	CARBONDALE		SHALE	7.7	1034.0	
-441.7	CARBONDALE	BANKSTON FORK	LIMESTONE	2.0	1041.7	MAY BE CONANT
-443.7	CARBONDALE		SHALE	1.3	1043.7	
-445.0	CARBONDALE	BRERETON	LIMESTONE	4.3	1045.0	
-449.3	CARBONDALE	ANNA	SHALE	2.6	1049.3	
-451.9	CARBONDALE	HERRIN	COAL	4.6	1051.9	
-456.5	CARBONDALE		UNDERCLAY	1.5	1056.5	

-458.0	CARBONDALE		LIMESTONE	3.5	1058.0	
-461.5	CARBONDALE		GRAY SHALE	19.0	1061.5	POS. #5A COAL AT ABOUT 1076-1077
-480.5	CARBONDALE	TURNER MINE	BLACK SHALE	2.0	1080.5	
-482.5	CARBONDALE	SPRINGFIELD	COAL	3.2	1082.5	
-485.7	CARBONDALE		UNDERCLAY	2.8	1085.7	
-488.5	CARBONDALE		GRAY SHALE	11.5	1088.5	

MAPID: 04900117000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: TEUTOPOLIS **LONGITUDE:** -88.401292 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.148631 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 603.0 **LOGGED (FT.):** 1073.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-97.0	BOND	CARTHAGE	LIMESTONE	9.0	700.0	
-197.0	MODESTO	TRIVOLI	SANDSTONE	70.0	800.0	
-281.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	884.0	
-411.0	CARBONDALE	DANVILLE	COAL	3.5	1014.0	
-436.0	CARBONDALE	HERRIN	COAL	3.0	1039.0	SH OVER LS ROOF
-465.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1068.0	SHALE ROOF

MAPID: 04900117000C **VERSION:** 2 **PROJECT:** CONTROL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 7E **SECTION:** 10 **QUARTERS/FOOTAGES:** SW SE SE
QUADRANGLE: TEUTOPOLIS **LONGITUDE:** -88.401292 **GEOLOGIST:** HINES
CONFIDENTIAL: N **LATITUDE:** 39.148631 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): **LOGGED (FT.):** 2651.0 **LOG TYPE:** Survey Sample Study
SOURCE: LEWIS, WILL I. **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: 04923008000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 10 QUARTERS/FOOTAGES: 60' N line, 84' W line

QUADRANGLE: TEUTOPOLIS LONGITUDE: -88.416119 GEOLOGIST: SROKA

CONFIDENTIAL: N LATITUDE: 39.162093 DATE COLLECTED: 11 / 21 / 1979

SURFACE ELEVATION (FT.): 597.0 LOGGED (FT.): 1062.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL IG-79-10-1 WELL TYPE: Coal Test

COMMENT: GAMMA, RESIST, DENS, DRILL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
597.0			UNCONSOLIDATED	72.0	0.0
525.0	MATTOON		SANDSTONE	58.0	72.0
467.0	MATTOON		SHALE	6.0	130.0
461.0	MATTOON		SANDSTONE	12.0	136.0
449.0	MATTOON	BOGOTA	LIMESTONE	2.0	148.0
447.0	MATTOON	TROWBRIDGE	COAL	0.5	150.0
446.5	MATTOON		SHALE	25.5	150.5
421.0	MATTOON	SHUMWAY	LIMESTONE	1.5	176.0
419.5	MATTOON		SHALE	1.5	177.5
418.0	MATTOON	TEUTOPOLIS	BLACK SHALE	5.0	179.0
413.0	MATTOON		SHALE	9.0	184.0
404.0	MATTOON		CALCAREOUS SANDSTONE	13.0	193.0
391.0	MATTOON		SHALY SANDSTONE	2.0	206.0
389.0	MATTOON		SANDSTONE	6.0	208.0
383.0	MATTOON		SANDY SHALE	52.0	214.0
331.0	MATTOON		SHALY SANDSTONE	2.0	266.0
329.0	MATTOON		SANDY SHALE	22.0	268.0
307.0	MATTOON		SANDSTONE	60.0	290.0
247.0	MATTOON		SHALE	48.0	350.0
199.0	MATTOON		SANDSTONE	12.0	398.0
187.0	MATTOON		SANDY SHALE	9.0	410.0
178.0	MATTOON		COAL	2.0	419.0
176.0	MATTOON		UNDERCLAY	2.0	421.0
174.0	MATTOON		SANDSTONE	5.0	423.0
169.0	MATTOON		SANDY SHALE	20.0	428.0
149.0	MATTOON		COAL	2.0	448.0
147.0	MATTOON		SANDY SHALE	2.0	450.0
145.0	MATTOON		SHALY SANDSTONE	10.0	452.0
135.0	MATTOON		SANDY SHALE	3.0	462.0
132.0	MATTOON		COAL	1.0	465.0
131.0	MATTOON		SANDY SHALE	6.0	466.0
125.0	BOND	MILLERSVILLE	LIMESTONE	9.0	472.0
116.0	BOND	MILLERSVILLE	SHALE	7.0	481.0
109.0	BOND	MILLERSVILLE	LIMESTONE	4.0	488.0
105.0	BOND	MILLERSVILLE	SHALE	2.0	492.0
103.0	BOND	MILLERSVILLE	LIMESTONE	5.0	494.0
98.0	BOND		SHALE	12.0	499.0
86.0	BOND		CALCAREOUS SANDSTONE	3.0	511.0

83.0	BOND		SANDY SHALE	90.0	514.0	
-7.0	BOND		SANDSTONE	12.0	604.0	
-19.0	BOND		SHALE	17.0	616.0	
-36.0	BOND		COAL	1.0	633.0	
-37.0	BOND		SHALE	31.0	634.0	
-68.0	BOND		COAL	1.0	665.0	
-69.0	BOND		SHALE	38.5	666.0	
-107.5	BOND	CARTHAGE	LIMESTONE	1.0	704.5	
-108.5	MODESTO		SHALE	3.5	705.5	
-112.0	MODESTO	NEW HAVEN	BLACK SHALE	3.0	709.0	
-115.0	MODESTO		SHALE	30.0	712.0	
-145.0	MODESTO		SANDSTONE	15.0	742.0	
-160.0	MODESTO		SHALY SANDSTONE	2.0	757.0	
-162.0	MODESTO		SANDY SHALE	23.0	759.0	
-185.0	MODESTO		SANDSTONE/SILTSTONE	73.0	782.0	PERHAPS A SHALE
-258.0	MODESTO	WEST FRANKLIN	LIMESTONE	1.5	855.0	
-259.5	MODESTO	WEST FRANKLIN	SANDY SHALE	5.5	856.5	
-265.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	862.0	
-271.0	MODESTO	WEST FRANKLIN	SHALE	2.0	868.0	
-273.0	MODESTO	WEST FRANKLIN	LIMESTONE	1.0	870.0	
-274.0	MODESTO		SANDY SHALE	116.5	871.0	
-390.5	CARBONDALE	DANVILLE	COAL	4.5	987.5	
-395.0	CARBONDALE		SHALE	4.5	992.0	
-399.5	CARBONDALE	BANKSTON FORK	LIMESTONE	4.5	996.5	
-404.0	CARBONDALE		SHALE	1.5	1001.0	
-405.5	CARBONDALE	BRERETON	LIMESTONE	4.5	1002.5	
-410.0	CARBONDALE	ANNA	BLACK SHALE	1.0	1007.0	
-411.0	CARBONDALE	HERRIN	COAL	4.5	1008.0	
-415.5	CARBONDALE		SHALY SANDSTONE	4.5	1012.5	
-420.0	CARBONDALE		SHALE	4.0	1017.0	
-424.0	CARBONDALE		LIMESTONE	3.0	1021.0	
-427.0	CARBONDALE		SHALE	4.0	1024.0	
-431.0	CARBONDALE		LIMESTONE	1.5	1028.0	
-432.5	CARBONDALE		SHALE	4.5	1029.5	
-437.0	CARBONDALE	BRIAR HILL	COAL	2.0	1034.0	
-439.0	CARBONDALE	ST. DAVID	LIMESTONE	1.0	1036.0	
-440.0	CARBONDALE	TURNER MINE	BLACK SHALE	1.0	1037.0	
-441.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1038.0	
-445.5	CARBONDALE		SHALY SANDSTONE	19.5	1042.5	

MAPID: 04922983000C VERSION: 1

PROJECT: NCRDS98

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 13 QUARTERS/FOOTAGES: 60' N line, 1914' W line

QUADRANGLE: WOODBURY LONGITUDE: -88.372264 GEOLOGIST: J MCBETH

CONFIDENTIAL: N LATITUDE: 39.14778 DATE COLLECTED: 11 / 29 / 1978

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 1140.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CO. IG-78-22 WELL TYPE: Coal Test

COMMENT: GAMMA, DENS, RES & DRILLERS LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
600.0	PLEISTOCENE		UNCONSOLIDATED	18.0	0.0	
582.0	MATTOON		SHALE	42.0	18.0	
540.0	MATTOON		SANDSTONE	1.0	60.0	
539.0	MATTOON		GRAY SHALE	74.0	61.0	
465.0	MATTOON		SANDSTONE	15.0	135.0	
450.0	MATTOON		BLACK SHALE	2.0	150.0	
448.0	MATTOON		SHALE	25.0	152.0	
423.0	MATTOON		LIMESTONE	1.0	177.0	
422.0	MATTOON		GRAY SHALE	14.0	178.0	
408.0	MATTOON		LIMESTONE	4.5	192.0	
403.5	MATTOON		SANDY SHALE	20.5	196.5	
383.0	MATTOON		BLACK SHALE	2.0	217.0	
381.0	MATTOON		SANDY SHALE	53.0	219.0	
328.0	MATTOON		SHALY SANDSTONE	18.0	272.0	
310.0	MATTOON		GRAY SHALE	43.0	290.0	
267.0	MATTOON		CALCAREOUS SANDSTONE	4.0	333.0	
263.0	MATTOON		SHALE	54.0	337.0	
209.0	MATTOON		SANDSTONE	1.5	391.0	
207.5	MATTOON		GRAY SHALE	84.5	392.5	
123.0	MATTOON		SANDSTONE	12.5	477.0	
110.5	MATTOON		GRAY SHALE	2.0	489.5	
108.5	MATTOON		SANDSTONE	1.0	491.5	
107.5	MATTOON		SHALE & SANDSTONE	8.5	492.5	
99.0	MATTOON		LIMESTONE	0.5	501.0	
98.5	MATTOON		GRAY SHALE	45.5	501.5	WITH LIMESTONE
53.0	BOND	MILLERSVILLE	LIMESTONE	4.0	547.0	
49.0	BOND	MILLERSVILLE	GRAY SHALE	7.0	551.0	
42.0	BOND	MILLERSVILLE	LIMESTONE	3.0	558.0	
39.0	BOND		GRAY SHALE	150.0	561.0	
-111.0	BOND	CARTHAGE	LIMESTONE	6.5	711.0	
-117.5	MODESTO		GRAY SHALE	1.0	717.5	
-118.5	MODESTO	NEW HAVEN	BLACK SHALE	1.0	718.5	
-119.5	MODESTO		GRAY SHALE	186.5	719.5	
-306.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	906.0	
-313.0	MODESTO	WEST FRANKLIN	SHALE	15.0	913.0	
-328.0	MODESTO	WEST FRANKLIN	LIMESTONE	2.0	928.0	
-330.0	MODESTO		GRAY SHALE	126.0	930.0	
-456.0	CARBONDALE	DANVILLE	COAL	3.8	1056.0	DRILLER & E-LOG~2-3 DIFF IN DEPTH

-459.8	CARBONDALE		UNDERCLAY	6.2	1059.8	
-466.0	CARBONDALE		CALCAREOUS SHALE	2.5	1066.0	
-468.5	CARBONDALE	CONANT	LIMESTONE	1.5	1068.5	
-470.0	CARBONDALE	JAMESTOWN	COAL	1.7	1070.0	
-471.7	CARBONDALE	BRERETON	LIMESTONE	4.3	1071.7	DRILLER & E-LOG~2-3 DIFF IN DEPTH
-476.0	CARBONDALE	ANNA	BLACK SHALE	2.6	1076.0	
-478.6	CARBONDALE	HERRIN	COAL	6.2	1078.6	DRILLER & E-LOG~3-4 DIFF IN DEPTH
-484.8	CARBONDALE		GRAY SHALE	17.7	1084.8	
-502.5	CARBONDALE	BRIAR HILL	BLACK SHALE	3.5	1102.5	WITH COAL
-506.0	CARBONDALE		GRAY SHALE	3.0	1106.0	
-509.0	CARBONDALE		BLACK SHALE	1.0	1109.0	
-510.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1110.0	DRILLER & E-LOG ~4.5' DIFF IN DEPTH
-515.0	CARBONDALE		GRAY SHALE	25.0	1115.0	

MAPID: 04900516000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 7E **SECTION:** 17 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: TEUTOPOLIS **LONGITUDE:** -88.445668 **GEOLOGIST:** C TREWORGY
CONFIDENTIAL: N **LATITUDE:** 39.141283 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 592.0 **LOGGED (FT.):** 1089.5 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-133.0	BOND	CARTHAGE	LIMESTONE	9.0	725.0	
-295.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	887.0	
-438.0	CARBONDALE	DANVILLE	COAL	4.0	1030.0	
-492.0	CARBONDALE	SPRINGFIELD	COAL	5.5	1084.0	SHALE ROOF

MAPID: 04900517000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 21 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: DIETERICH LONGITUDE: -88.417664 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.125111 DATE COLLECTED:

SURFACE ELEVATION (FT.): 590.0 LOGGED (FT.): 1330.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-143.0	BOND	CARTHAGE	LIMESTONE	9.0	733.0	
-305.0	MODESTO	TRIVOLI	SANDSTONE	13.0	895.0	
-321.0	MODESTO	WEST FRANKLIN	LIMESTONE	17.0	911.0	
-484.0	CARBONDALE	DANVILLE	COAL	4.0	1074.0	
-508.0	CARBONDALE	HERRIN	COAL	6.0	1098.0	LS OVER SH ROOF
-540.0	CARBONDALE	SPRINGFIELD	COAL	5.5	1130.0	SHALE ROOF
-628.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1218.0	
-740.0	CARBONDALE	COLCHESTER	COAL	-	1330.0	

MAPID: 0492298000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 21 QUARTERS/FOOTAGES: 860' S line, 2440' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.425063 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.121043 DATE COLLECTED: 9 / 1 / 1978

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 1140.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. IG-78-7C WELL TYPE: Coal Test

COMMENT: GAMMA, DENS, RESIST, DRILL LOG & CORE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
585.0			UNCONSOLIDATED	124.0	0.0
461.0	MATTOON		GRAY SHALE & LIMESTONE	3.0	124.0
458.0	MATTOON		GRAY SHALE	24.0	127.0
434.0	MATTOON		SANDSTONE	19.0	151.0
415.0	MATTOON		DARK SHALE	24.0	170.0
391.0	MATTOON	BOGOTA	LIMESTONE	1.5	194.0
389.5	MATTOON		GRAY SHALE	2.5	195.5
387.0	MATTOON	INGRAHAM	BLACK SHALE	4.0	198.0
383.0	MATTOON		GRAY SHALE	4.0	202.0
379.0	MATTOON		SANDSTONE	44.0	206.0
335.0	MATTOON		GRAY SHALE	40.5	250.0
294.5	MATTOON		SANDSTONE	13.5	290.5
281.0	MATTOON		GRAY SHALE	34.0	304.0
247.0	MATTOON		BLACK SHALE	1.0	338.0
246.0	MATTOON		GRAY SHALE	1.0	339.0
245.0	MATTOON		SANDSTONE	20.0	340.0
225.0	MATTOON		GRAY SHALE	64.0	360.0
161.0	MATTOON		BLACK SHALE & CLAY	4.0	424.0
157.0	MATTOON		GRAY SHALE	2.0	428.0
155.0	MATTOON		LIMESTONE AND SANDSTONE	1.7	430.0
153.3	MATTOON		SANDSTONE	6.3	431.7
147.0	MATTOON		GRAY SHALE	41.0	438.0
106.0	MATTOON		SHALE/COAL	5.0	479.0
101.0	MATTOON		GRAY SHALE	5.0	484.0
96.0	BOND	MILLERSVILLE	LIMESTONE	7.5	489.0
88.5	BOND	MILLERSVILLE	GRAY SHALE	5.0	496.5
83.5	BOND	MILLERSVILLE	LIMESTONE	4.5	501.5
79.0	BOND		SANDSTONE/SHALE	11.0	506.0
68.0	BOND		GRAY SHALE	18.0	517.0
50.0	BOND		SANDSTONE	45.0	535.0
5.0	BOND		GRAY SHALE	10.5	580.0
-5.5	BOND		SANDSTONE	28.0	590.5
-33.5	BOND		COAL	2.0	618.5
-35.5	BOND		GRAY SHALE	39.5	620.5
-75.0	BOND		COAL	2.0	660.0
-77.0	BOND		GRAY SHALE	13.0	662.0
-90.0	BOND		SANDSTONE	7.0	675.0
-97.0	BOND		GRAY SHALE	26.0	682.0

-123.0	BOND	CARTHAGE	LIMESTONE	8.5	708.0	SOME DOLO.
-131.5	MODESTO	NEW HAVEN	BLACK SHALE	0.7	716.5	
-132.2	MODESTO		GRAY SHALE	52.8	717.2	
-185.0	MODESTO	CHAPEL	BLACK SHALE	3.0	770.0	OFF GAMMA LOG
-188.0	MODESTO		GRAY SHALE	125.0	773.0	
-313.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	898.0	
-320.0	MODESTO		GRAY SHALE	146.5	905.0	
-466.5	CARBONDALE	DANVILLE	COAL	2.8	1051.5	AVE B/LOGS
-469.3	CARBONDALE		GRAY SHALE	5.8	1054.3	
-475.0	CARBONDALE	CONANT	LIMESTONE	2.4	1060.0	CORE #1 1060-1070
-477.4	CARBONDALE		CALCAREOUS SHALE	2.5	1062.4	JAMESTOWN COAL INTERVAL
-479.9	CARBONDALE	BRERETON	LIMESTONE	5.2	1064.9	
-485.0	CARBONDALE	BRERETON	LIMESTONE	4.8	1070.0	CORE #2 1070-1080
-489.8	CARBONDALE	ANNA	BLACK SHALE	0.9	1074.8	
-490.7	CARBONDALE	HERRIN	COAL	4.3	1075.7	
-495.0	CARBONDALE	HERRIN	PYRITE	0.1	1080.0	CORE #3 1080-1090
-495.0	CARBONDALE	HERRIN	COAL	0.4	1080.0	CORE #3 1080-1090
-495.4	CARBONDALE		UNDERCLAY	4.0	1080.4	
-499.4	CARBONDALE		SILTSTONE	3.9	1084.4	
-503.3	CARBONDALE		SILTY SHALE	1.8	1088.3	
-505.0	CARBONDALE		SILTY SHALE	1.0	1090.0	CORE #4 1090-1100
-506.0	CARBONDALE		CALCAREOUS SHALE	9.0	1091.0	LS AS NODULES
-515.0	CARBONDALE		SILTY SHALE	0.5	1100.0	
-515.5	CARBONDALE		LIMESTONE	0.4	1100.5	CORE #5 1100-1110
-515.9	CARBONDALE		DARK SHALE	0.3	1100.9	
-516.2	CARBONDALE	BRIAR HILL	COAL	1.8	1101.2	
-518.0	CARBONDALE	TURNER MINE	DARK SHALE & BLACK SHALE	3.6	1103.0	
-521.6	CARBONDALE	SPRINGFIELD	COAL	3.4	1106.6	
-525.0	CARBONDALE	SPRINGFIELD	CORE LOSS	0.0	1110.0	
-525.0	CARBONDALE	SPRINGFIELD	COAL	1.1	1110.0	CORE #6 1110-1120
-526.1	CARBONDALE		UNDERCLAY	2.5	1111.1	
-528.6	CARBONDALE		UNDERCLAY & LIMESTONE	6.5	1113.6	LS NODULES
-535.0	CARBONDALE		UNCLASSIFIED	20.0	1120.0	

MAPID: 04922546000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 25 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: WHEELER LONGITUDE: -88.371311 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.105293 DATE COLLECTED:

SURFACE ELEVATION (FT.): 603.0 LOGGED (FT.): 1248.0 LOG TYPE: Nuclear Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-181.0	BOND	CARTHAGE	LIMESTONE	7.0	784.0	
-511.0	CARBONDALE	DANVILLE	COAL	3.5	1114.0	
-534.0	CARBONDALE	HERRIN	COAL	7.0	1137.0	LS OVER SH ROOF
-571.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1174.0	LS OVER SH ROOF
-645.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1248.0	

MAPID: 04922999000C VERSION: 1

PROJECT: NCRDS98

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 26 QUARTERS/FOOTAGES: 363' N line, 1632' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.384936 GEOLOGIST: J MCBETH

CONFIDENTIAL: N LATITUDE: 39.11782 DATE COLLECTED: 5 / 8 / 1979

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 1190.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. IG79-26-2 WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY, RESIST & DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
600.0	PLEISTOCENE		UNCONSOLIDATED	78.0	0.0	
522.0	MATTOON		SHALE	3.0	78.0	
519.0	MATTOON		SANDSTONE	14.0	81.0	
505.0	MATTOON		SHALE	19.0	95.0	
486.0	MATTOON		COAL	2.0	114.0	
484.0	MATTOON		GRAY SHALE	1.0	116.0	
483.0	MATTOON		LIMESTONE	2.0	117.0	
481.0	MATTOON		SHALE	22.2	119.0	
458.8	MATTOON		LIMESTONE	4.8	141.2	
454.0	MATTOON		SANDY SHALE	3.5	146.0	
450.5	MATTOON		LIMESTONE	0.5	149.5	
450.0	MATTOON		SANDY SHALE	4.0	150.0	
446.0	MATTOON		SANDSTONE/SHALE	30.0	154.0	
416.0	MATTOON	INGRAHAM	BLACK SHALE	4.0	184.0	
412.0	MATTOON		SANDY SHALE	3.0	188.0	
409.0	MATTOON		SANDSTONE	5.0	191.0	
404.0	MATTOON		SHALE	19.0	196.0	
385.0	MATTOON		LIMESTONE	1.0	215.0	
384.0	MATTOON		BLACK SHALE	3.0	216.0	WITH COAL
381.0	MATTOON		SHALE	17.0	219.0	
364.0	MATTOON		SANDSTONE	2.0	236.0	
362.0	MATTOON		SHALE	7.0	238.0	
355.0	MATTOON		SHALY SANDSTONE	9.0	245.0	
346.0	MATTOON		SANDY SHALE	10.0	254.0	
336.0	MATTOON		SHALE	5.5	264.0	
330.5	MATTOON		SANDSTONE	22.5	269.5	
308.0	MATTOON		SHALE	6.0	292.0	
302.0	MATTOON		LIMESTONE	1.6	298.0	
300.4	MATTOON		SHALE	46.4	299.6	
254.0	MATTOON		LIMESTONE	1.0	346.0	
253.0	MATTOON		SHALE	57.0	347.0	
196.0	MATTOON		SANDSTONE	6.0	404.0	
190.0	MATTOON		SHALE	66.0	410.0	
124.0	MATTOON		SANDSTONE	17.0	476.0	
107.0	MATTOON		LIMESTONE	6.5	493.0	
100.5	MATTOON		SHALE	3.7	499.5	
96.8	MATTOON		LIMESTONE	0.6	503.2	
96.2	MATTOON		SHALE	42.2	503.8	
54.0	MATTOON		COAL	3.0	546.0	

51.0	MATTOON		SHALE	14.0	549.0	
37.0	BOND	MILLERSVILLE	LIMESTONE	5.7	563.0	
31.3	BOND		LIMESTONE & SHALE	9.8	568.7	
21.5	BOND		SANDSTONE	7.5	578.5	
14.0	BOND		SHALE	21.5	586.0	
-7.5	BOND		SANDSTONE	4.5	607.5	
-12.0	BOND		SHALE	85.0	612.0	
-97.0	BOND		COAL	2.8	697.0	
-99.8	BOND		SHALE	16.2	699.8	
-116.0	BOND		COAL	2.0	716.0	
-118.0	BOND		SHALE	12.0	718.0	
-130.0	BOND		SANDSTONE	5.0	730.0	
-135.0	BOND		SHALE	29.3	735.0	
-164.3	BOND	CARTHAGE	LIMESTONE	5.7	764.3	
-170.0	MODESTO	NEW HAVEN	BLACK SHALE	4.0	770.0	WITH COAL
-174.0	MODESTO		SHALE	53.0	774.0	
-227.0	MODESTO		LIMESTONE	1.0	827.0	
-228.0	MODESTO		SHALE	19.5	828.0	
-247.5	MODESTO		SANDSTONE	4.5	847.5	
-252.0	MODESTO		SHALE	56.0	852.0	
-308.0	MODESTO		BLACK SHALE	4.0	908.0	
-312.0	MODESTO		SHALE	7.5	912.0	
-319.5	MODESTO		LIMESTONE AND SANDSTONE	2.5	919.5	
-322.0	MODESTO		SHALE	36.0	922.0	
-358.0	MODESTO		LIMESTONE	2.5	958.0	
-360.5	MODESTO		SHALE	9.5	960.5	
-370.0	MODESTO	WEST FRANKLIN	CALCAREOUS SHALE	5.5	970.0	
-375.5	MODESTO	WEST FRANKLIN	LIMESTONE	2.3	975.5	
-377.8	MODESTO		LIMESTONE & SHALE	4.2	977.8	
-382.0	MODESTO		SANDY SHALE	5.0	982.0	
-387.0	MODESTO		LIMESTONE AND SANDSTONE	1.0	987.0	
-388.0	MODESTO		SHALE	119.5	988.0	
-507.5	CARBONDALE	DANVILLE	COAL	4.0	1107.5	
-511.5	CARBONDALE		SHALE	6.5	1111.5	
-518.0	CARBONDALE	BRERETON	LIMESTONE	5.5	1118.0	
-523.5	CARBONDALE	BRERETON	SHALE	3.0	1123.5	
-526.5	CARBONDALE	BRERETON	LIMESTONE	4.2	1126.5	
-530.7	CARBONDALE	ANNA	BLACK SHALE	3.3	1130.7	
-534.0	CARBONDALE	HERRIN	COAL	5.7	1134.0	
-539.7	CARBONDALE		BLACK SHALE	3.3	1139.7	
-543.0	CARBONDALE		SHALE	17.0	1143.0	
-560.0	CARBONDALE	BRIAR HILL	BLACK SHALE	4.0	1160.0	WITH COAL
-564.0	CARBONDALE		SHALE	2.5	1164.0	
-566.5	CARBONDALE	ST. DAVID	LIMESTONE	0.5	1166.5	
-567.0	CARBONDALE	TURNER MINE	BLACK SHALE	3.0	1167.0	
-570.0	CARBONDALE	SPRINGFIELD	COAL	4.3	1170.0	

-574.3 CARBONDALE UNDERCLAY 3.7 1174.3
 -578.0 CARBONDALE SHALE 12.0 1178.0

MAPID: 04900371000C VERSION: 1 PROJECT: CGT-ECILL
 COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 28 QUARTERS/FOOTAGES: SE SE SE
 QUADRANGLE: DIETERICH LONGITUDE: -88.41791 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.105067 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 589.0 LOGGED (FT.): 1308.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-117.0	BOND	CARTHAGE	LIMESTONE	7.0	706.0	
-293.0	MODESTO	TRIVOLI	SANDSTONE	21.0	882.0	
-317.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	906.0	
-467.0	CARBONDALE	DANVILLE	COAL	4.0	1056.0	
-496.0	CARBONDALE	HERRIN	COAL	3.0	1085.0	SH OVER LS ROOF
-517.0	CARBONDALE	BRIAR HILL	COAL	-	1106.0	
-522.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1111.0	SHALE ROOF
-602.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1191.0	
-719.0	CARBONDALE	COLCHESTER	COAL	-	1308.0	

MAPID: 04900519000C VERSION: 1 PROJECT: CGT-ECILL
 COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 28 QUARTERS/FOOTAGES: SE NE NE
 QUADRANGLE: DIETERICH LONGITUDE: -88.417622 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.116027 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 1318.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-124.0	BOND	CARTHAGE	LIMESTONE	7.0	707.0	
-280.0	MODESTO	TRIVOLI	SANDSTONE	41.0	863.0	
-324.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	907.0	
-473.0	CARBONDALE	DANVILLE	COAL	4.0	1056.0	
-522.0	CARBONDALE	BRIAR HILL	COAL	2.5	1105.0	
-528.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1111.0	SHALE ROOF
-602.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1185.0	
-735.0	CARBONDALE	COLCHESTER	COAL	-	1318.0	

MAPID: 04900520000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 31 QUARTERS/FOOTAGES: 660' S line, 330' W line of NE

QUADRANGLE: DIETERICH LONGITUDE: -88.462865 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.098557 DATE COLLECTED:

SURFACE ELEVATION (FT.): 586.0 LOGGED (FT.): 1120.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-71.0	BOND	CARTHAGE	LIMESTONE	7.0	657.0	
-245.0	MODESTO	TRIVOLI	SANDSTONE	16.0	831.0	
-264.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	850.0	
-438.0	CARBONDALE	HERRIN	COAL	4.0	1024.0	LS OVER SH ROOF
-472.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1058.0	SHALE ROOF
-534.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1120.0	

MAPID: 04900521000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 32 QUARTERS/FOOTAGES: NE NE NE

QUADRANGLE: DIETERICH LONGITUDE: -88.436889 GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.103149 DATE COLLECTED:

SURFACE ELEVATION (FT.): 586.0 LOGGED (FT.): 1280.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-98.0	BOND	CARTHAGE	LIMESTONE	8.0	684.0	
-269.0	MODESTO	TRIVOLI	SANDSTONE	34.0	855.0	
-308.0	MODESTO	WEST FRANKLIN	LIMESTONE	12.0	894.0	
-448.0	CARBONDALE	DANVILLE	COAL	3.5	1034.0	
-472.0	CARBONDALE	HERRIN	COAL	5.0	1058.0	LS OVER SH ROOF
-497.0	CARBONDALE	BRIAR HILL	COAL	2.0	1083.0	
-503.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1089.0	SHALE ROOF
-694.0	CARBONDALE	COLCHESTER	COAL	-	1280.0	

MAPID: 04922984000C VERSION: 1

PROJECT: NCRDS92

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 32 QUARTERS/FOOTAGES: 2310' N line, 2577' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.445199 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.09762 DATE COLLECTED: 12 / 11 / 1978

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 1100.0 LOG TYPE: Drillers Log

SOURCE: MOBIL OIL CO. IG-78-21 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
580.0			CLAY	20.0	0.0	
560.0			SAND	1.0	20.0	
559.0			BOULDER	0.2	21.0	BOULDER
558.8			CLAY	4.8	21.2	GY CLY W/SS & GRAVEL
554.0			UNCONSOLIDATED	4.0	26.0	GRAVEL
550.0			CLAY	21.0	30.0	GRAY
529.0			SILTY CLAY	28.5	51.0	
500.5	MATTOON		GRAY SHALE	10.5	79.5	
490.0	MATTOON		BLACK SHALE	1.0	90.0	
489.0	MATTOON		GRAY SHALE	19.0	91.0	LGY SH W/SS STREAKS
470.0	MATTOON		DARK GRAY SHALE	33.0	110.0	
437.0	MATTOON		LIMESTONE	1.0	143.0	
436.0	MATTOON		DARK GRAY SHALE	5.5	144.0	
430.5	MATTOON		LIMESTONE	0.5	149.5	
430.0	MATTOON		BLACK SHALE	4.0	150.0	
426.0	MATTOON		SANDY SHALE	4.0	154.0	
422.0	MATTOON		SANDSTONE	3.0	158.0	
419.0	MATTOON		CALCAREOUS SHALE	4.0	161.0	
415.0	MATTOON		GRAY SHALE	6.0	165.0	
409.0	MATTOON		SANDSTONE	8.0	171.0	
401.0	MATTOON		SANDSTONE	5.0	179.0	SS & LGY SH
396.0	MATTOON		SANDY SHALE	26.0	184.0	
370.0	MATTOON		GRAY SHALE	30.0	210.0	GY SH & SS
340.0	MATTOON		SANDSTONE	22.0	240.0	SHALEY SS
318.0	MATTOON		SANDSTONE	9.0	262.0	CALC SS
309.0	MATTOON		SANDSTONE	9.0	271.0	SHALEY SS
300.0	MATTOON		SANDSTONE	12.0	280.0	
288.0	MATTOON		SANDSTONE	4.0	292.0	CALC SS
284.0	MATTOON		CALCAREOUS SHALE	54.0	296.0	
230.0	MATTOON		GRAY SHALE	30.0	350.0	
200.0	MATTOON		GRAY SHALE	11.0	380.0	GY SH W/ CALC SH STREAKS
189.0	MATTOON		SANDSTONE	1.8	391.0	CALC SS
187.2	MATTOON		CALCAREOUS SHALE	2.9	392.8	
184.3	MATTOON		LIMESTONE	1.3	395.7	
183.0	MATTOON		CALCAREOUS SHALE	5.0	397.0	
178.0	MATTOON		GRAY SHALE	5.0	402.0	
173.0	MATTOON		SANDY SHALE	5.0	407.0	
168.0	MATTOON		CALCAREOUS SHALE	18.0	412.0	
150.0	MATTOON		CALCAREOUS SHALE	6.0	430.0	

144.0	MATTOON		BLACK SHALE	11.0	436.0	
133.0	MATTOON		GRAY SHALE	5.0	447.0	
128.0	MATTOON		CALCAREOUS SHALE	6.0	452.0	
122.0	BOND	MILLERSVILLE	LIMESTONE	3.5	458.0	
118.5	BOND		CALCAREOUS SHALE	3.5	461.5	
115.0	BOND		CALCAREOUS SHALE	4.5	465.0	
110.5	BOND		LIMESTONE	2.5	469.5	
108.0	BOND		CALCAREOUS SHALE	4.5	472.0	
103.5	BOND		LIMESTONE	1.5	476.5	
102.0	BOND		CALCAREOUS SHALE	7.0	478.0	
95.0	BOND		GRAY SHALE	12.0	485.0	
83.0	BOND		SANDY SHALE	2.0	497.0	
81.0	BOND		GRAY SHALE	3.0	499.0	
78.0	BOND		SILTY SHALE	22.0	502.0	SLT & SDY SH
56.0	BOND		SANDY SHALE	28.0	524.0	
28.0	BOND		GRAY SHALE	8.0	552.0	
20.0	BOND		SANDY SHALE	24.0	560.0	
-4.0	BOND		COAL	2.0	584.0	
-6.0	BOND		SANDY SHALE	34.0	586.0	
-40.0	BOND		LIMESTONE	1.0	620.0	
-41.0	BOND		GRAY SHALE	16.0	621.0	
-57.0	BOND		SANDY SHALE	18.0	637.0	
-75.0	BOND		GRAY SHALE	12.6	655.0	
-87.6	BOND	CARTHAGE	LIMESTONE	8.4	667.6	
-96.0	MODESTO		BLACK SHALE	2.0	676.0	BK SH W/ COAL SEAM
-98.0	MODESTO		SANDY SHALE	12.0	678.0	
-110.0	MODESTO		SANDY SHALE	18.0	690.0	
-128.0	MODESTO		GRAY SHALE	8.0	708.0	
-136.0	MODESTO		GRAY SHALE	24.0	716.0	GY SH W/ LS STREAKS
-160.0	MODESTO		SANDY SHALE	20.0	740.0	
-180.0	MODESTO		GRAY SHALE	4.0	760.0	GY SH W/ LS STREAKS
-184.0	MODESTO		GRAY SHALE	60.2	764.0	
-244.2	MODESTO		LIMESTONE	0.8	824.2	
-245.0	MODESTO		GRAY SHALE	2.8	825.0	
-247.8	MODESTO		LIMESTONE	3.2	827.8	
-251.0	MODESTO		SANDSTONE	1.0	831.0	
-252.0	MODESTO		GRAY SHALE	33.5	832.0	
-285.5	MODESTO	WEST FRANKLIN	LIMESTONE	4.5	865.5	
-290.0	MODESTO		CALCAREOUS SHALE	12.5	870.0	
-302.5	MODESTO		LIMESTONE	2.5	882.5	
-305.0	MODESTO		CALCAREOUS SHALE	7.0	885.0	
-312.0	MODESTO		GRAY SHALE	48.0	892.0	
-360.0	MODESTO		CALCAREOUS SHALE	30.0	940.0	
-390.0	MODESTO		GRAY SHALE	49.0	970.0	
-439.0	CARBONDALE	DANVILLE	COAL	3.6	1019.0	
-442.6	CARBONDALE		GRAY SHALE	12.2	1022.6	
-454.8	CARBONDALE	BANKSTON FORK	LIMESTONE	3.2	1034.8	

-458.0	CARBONDALE		GRAY SHALE	1.8	1038.0
-459.8	CARBONDALE	BRERETON	LIMESTONE	3.2	1039.8
-463.0	CARBONDALE	ANNA	BLACK SHALE	3.5	1043.0
-466.5	CARBONDALE	HERRIN	COAL	6.0	1046.5
-472.5	CARBONDALE		GRAY SHALE	12.0	1052.5
-484.5	CARBONDALE		LIMESTONE	3.5	1064.5
-488.0	CARBONDALE		LIMESTONE	2.0	1068.0
-490.0	CARBONDALE		SANDY SHALE	3.0	1070.0
-493.0	CARBONDALE	TURNER MINE	BLACK SHALE	2.5	1073.0
-495.5	CARBONDALE	SPRINGFIELD	COAL	4.5	1075.5
-500.0	CARBONDALE		CALCAREOUS SHALE	20.0	1080.0

MAPID: 04901085000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 8N 7E **SECTION:** 33 **QUARTERS/FOOTAGES:** 300' S line, 332' E line of NW SE
QUADRANGLE: DIETERICH **LONGITUDE:** -88.423131 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.094042 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 582.0 **LOGGED (FT.):** 1292.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
-111.0	BOND	CARTHAGE	LIMESTONE	7.0	693.0	
-295.0	MODESTO	TRIVOLI	SANDSTONE	19.0	877.0	
-316.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	898.0	
-469.0	CARBONDALE	DANVILLE	COAL	4.0	1051.0	
-492.0	CARBONDALE	HERRIN	COAL	6.0	1074.0	LS OVER SH ROOF
-518.0	CARBONDALE	BRIAR HILL	COAL	2.0	1100.0	
-526.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1108.0	SHALE ROOF
-601.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1183.0	
-710.0	CARBONDALE	COLCHESTER	COAL	-	1292.0	

MAPID: 04923858000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 33 QUARTERS/FOOTAGES: 2574' S line, 70' E line

QUADRANGLE: DIETERICH LONGITUDE: -88.417312 GEOLOGIST: SROKA

CONFIDENTIAL: N LATITUDE: 39.096702 DATE COLLECTED: 5 / 28 / 1980

SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 1360.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL IG80-33-3C WELL TYPE: Coal Test

COMMENT: GAMMA, RESIST, DENS, DRILL, CORE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
587.0			UNCONSOLIDATED	96.0	0.0	
491.0	MATTOON		SHALE	16.0	96.0	
475.0	MATTOON		SHALE	8.0	112.0	WITH SS STREAKS
467.0	MATTOON		SHALE	8.0	120.0	
459.0	MATTOON		BLACK SHALE	2.0	128.0	WITH COAL TRACE
457.0	MATTOON		SANDY SHALE	8.0	130.0	
449.0	MATTOON		SHALE	22.0	138.0	
427.0	MATTOON		BLACK SHALE	3.0	160.0	
424.0	MATTOON		SHALE	7.0	163.0	
417.0	MATTOON		SANDSTONE	2.0	170.0	
415.0	MATTOON		DARK SHALE & SANDSTONE	6.0	172.0	
409.0	MATTOON		SANDSTONE	22.0	178.0	
387.0	MATTOON		CALCAREOUS SANDSTONE	2.0	200.0	
385.0	MATTOON		SANDSTONE	18.0	202.0	
367.0	MATTOON		CALCAREOUS SANDSTONE	2.0	220.0	
365.0	MATTOON		SANDSTONE/SILTSTONE	31.0	222.0	
334.0	MATTOON		COAL	1.0	253.0	
333.0	MATTOON		SILTY SHALE	34.0	254.0	
299.0	MATTOON		SANDY SHALE AND LIMESTONE	4.0	288.0	
295.0	MATTOON		SANDY SHALE	4.0	292.0	
291.0	MATTOON		SHALE	40.0	296.0	
251.0	MATTOON		CALCAREOUS SHALE	2.0	336.0	
249.0	MATTOON		COAL	0.7	338.0	
248.3	MATTOON		SHALE	6.3	338.7	
242.0	MATTOON		DARK SHALE & SANDSTONE	17.0	345.0	
225.0	MATTOON		SHALE	58.5	362.0	
166.5	MATTOON		BLACK SHALE	1.3	420.5	WITH COAL
165.2	MATTOON		SHALY SANDSTONE	6.2	421.8	
159.0	MATTOON		CALCAREOUS SANDSTONE	8.0	428.0	
151.0	MATTOON		SANDSTONE	18.0	436.0	
133.0	MATTOON		DARK SHALE & SANDSTONE	32.0	454.0	
101.0	MATTOON		SHALE	2.0	486.0	
99.0	MATTOON		COAL	1.5	488.0	
97.5	MATTOON		SHALE	14.5	489.5	

83.0	BOND	MILLERSVILLE	LIMESTONE	3.0	504.0	
80.0	BOND	MILLERSVILLE	SHALE	5.5	507.0	
74.5	BOND	MILLERSVILLE	LIMESTONE	3.5	512.5	
71.0	BOND		SANDY SHALE	4.0	516.0	
67.0	BOND		DARK SHALE & SANDSTONE	100.0	520.0	
-33.0	BOND		SANDY SHALE	5.0	620.0	
-38.0	BOND		COAL	2.0	625.0	
-40.0	BOND		SANDY SHALE	44.0	627.0	640-650 CALCAREOUS
-84.0	BOND		COAL	1.0	671.0	
-85.0	BOND		SANDY SHALE	28.0	672.0	WITH LS STREAKS
-113.0	BOND		SANDY SHALE	13.0	700.0	
-126.0	BOND	CARTHAGE	LIMESTONE	8.0	713.0	
-134.0	MODESTO		SHALE	3.0	721.0	
-137.0	MODESTO	NEW HAVEN	BLACK SHALE	1.0	724.0	
-138.0	MODESTO		SANDY SHALE	15.0	725.0	
-153.0	MODESTO		SILTY SHALE	39.0	740.0	
-192.0	MODESTO		LIMESTONE	2.0	779.0	
-194.0	MODESTO		SILTY SHALE	8.0	781.0	
-202.0	MODESTO		SANDSTONE/LIMESTONE	2.0	789.0	
-204.0	MODESTO		SILTY SHALE	1.5	791.0	
-205.5	MODESTO		LIMESTONE	0.5	792.5	
-206.0	MODESTO		SILTY SHALE	7.0	793.0	CALCAREOUS UPPER 3 FEET
-273.0	MODESTO	CHAPEL	COAL	1.0	860.0	
-274.0	MODESTO		UNDERCLAY	3.0	861.0	
-277.0	MODESTO		SANDY SHALE	15.0	864.0	WITH CALCAREOUS STREAKS
-292.0	MODESTO		SANDSTONE	4.0	879.0	
-296.0	MODESTO		SHALE	4.0	883.0	
-300.0	MODESTO		SANDSTONE/SHALE	7.0	887.0	
-307.0	MODESTO		CALCAREOUS SANDSTONE	3.0	894.0	
-310.0	MODESTO		LIMESTONE	2.0	897.0	GRAY
-312.0	MODESTO		SHALE	1.3	899.0	
-313.3	MODESTO	WEST FRANKLIN	LIMESTONE	4.7	900.3	TAN/BUFF
-318.0	MODESTO	WEST FRANKLIN	SANDY SHALE	7.5	905.0	
-325.5	MODESTO	WEST FRANKLIN	LIMESTONE	1.8	912.5	
-327.3	MODESTO	WEST FRANKLIN	SHALE	2.7	914.3	
-330.0	MODESTO	WEST FRANKLIN	LIMESTONE	1.5	917.0	TAN/BUFF
-331.5	MODESTO		SANDY SHALE	101.5	918.5	
-433.0	MODESTO		SILTY SHALE	32.0	1020.0	
-465.0	CARBONDALE	DANVILLE	COAL	3.5	1052.0	
-468.5	CARBONDALE		SHALE	5.5	1055.5	
-474.0	CARBONDALE	BANKSTON FORK	LIMESTONE	3.2	1061.0	TAN/BRN
-477.2	CARBONDALE		SHALE	1.8	1064.2	
-479.0	CARBONDALE	JAMESTOWN	COAL	1.0	1066.0	
-480.0	CARBONDALE		SHALE	3.0	1067.0	
-483.0	CARBONDALE		SHALE	4.7	1070.0	CORE #1 1074-1083
-487.7	CARBONDALE	HERRIN	COAL	6.7	1074.7	BONEY BANDS 1078- 1080

-494.3	CARBONDALE		UNCLASSIFIED	1.7	1081.3	
-496.0	CARBONDALE		SHALE	8.5	1083.0	
-504.5	CARBONDALE		LIMESTONE	0.5	1091.5	
-505.0	CARBONDALE		CALCAREOUS SHALE	6.5	1092.0	
-511.5	CARBONDALE		SHALE	2.0	1098.5	
-513.5	CARBONDALE	BRIAR HILL	COAL	1.5	1100.5	
-515.0	CARBONDALE		SHALE	3.2	1102.0	
-518.2	CARBONDALE	ST. DAVID	LIMESTONE	0.3	1105.2	
-518.5	CARBONDALE	TURNER MINE	BLACK SHALE	1.0	1105.5	
-519.5	CARBONDALE	SPRINGFIELD	COAL	4.5	1106.5	
-524.0	CARBONDALE		UNDERCLAY	3.0	1111.0	
-527.0	CARBONDALE		SILTY SHALE	26.0	1114.0	CALCAREOUS UPPER 6 FEET
-553.0	CARBONDALE		SANDY SHALE	17.0	1140.0	
-570.0	CARBONDALE		SILTY SHALE	7.0	1157.0	
-577.0	CARBONDALE		SILTSTONE	5.0	1164.0	GRAY
-582.0	CARBONDALE		SHALE	3.0	1169.0	
-585.0	CARBONDALE		SANDY SHALE	14.0	1172.0	
-599.0	CARBONDALE	HANOVER	SHALY LIMESTONE	1.5	1186.0	
-600.5	CARBONDALE	HOUCHIN CREEK	COAL	2.5	1187.5	
-603.0	CARBONDALE		SHALE	0.5	1190.0	
-603.5	CARBONDALE		SANDY SHALE	47.5	1190.5	
-651.0	CARBONDALE	SURVANT	COAL	2.0	1238.0	
-653.0	CARBONDALE		SANDY SHALE	65.5	1240.0	
-718.5	CARBONDALE	COLCHESTER	SHALE	3.0	1305.5	WITH COAL
-721.5	SPOON		SHALE	5.0	1308.5	
-726.5	SPOON		LIMESTONE	1.0	1313.5	
-727.5	SPOON		SHALE	3.5	1314.5	CORE #2 1318-1331
-731.0	SPOON		BLACK SHALE	2.3	1318.0	
-733.3	SPOON	SEELYVILLE	COAL	5.8	1320.3	PYRITE
-739.0	SPOON		UNDERCLAY	2.8	1326.0	
-741.8	SPOON		CORE LOSS	2.2	1328.8	
-744.0	SPOON		SANDY SHALE	19.0	1331.0	
-763.0	SPOON		SANDSTONE	5.5	1350.0	
-768.5	SPOON		SHALE	1.0	1355.5	
-769.5	SPOON		SANDSTONE	2.0	1356.5	
-771.5	SPOON		CALCAREOUS SHALE	1.5	1358.5	

MAPID: 04900522000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 8N 7E

SECTION: 34

QUARTERS/FOOTAGES: NW NW NW

QUADRANGLE: DIETERICH

LONGITUDE: -88.41562

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.103254

DATE COLLECTED:

SURFACE ELEVATION (FT.): 592.0

LOGGED (FT.): 1321.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-114.0	BOND	CARTHAGE	LIMESTONE	6.0	706.0	
-274.0	MODESTO	TRIVOLI	SANDSTONE	36.0	866.0	
-313.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	905.0	
-465.0	CARBONDALE	DANVILLE	COAL	4.0	1057.0	
-490.0	CARBONDALE	HERRIN	COAL	6.5	1082.0	SHALE ROOF
-513.0	CARBONDALE	BRIAR HILL	COAL	-	1105.0	
-520.0	CARBONDALE	SPRINGFIELD	COAL	4.5	1112.0	SHALE ROOF
-726.0	CARBONDALE	COLCHESTER	COAL	3.0	1318.0	

MAPID: 04923857000C VERSION: 1

PROJECT: NCRDS88

COUNTY: EFFINGHAM TWP/RNG: 8N 7E SECTION: 35 QUARTERS/FOOTAGES: 1345' S line, 54' W line

QUADRANGLE: DIETERICH LONGITUDE: -88.398065 GEOLOGIST: SROKA

CONFIDENTIAL: N LATITUDE: 39.093341 DATE COLLECTED: 5 / 27 / 1980

SURFACE ELEVATION (FT.): 596.0 LOGGED (FT.): 1396.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL IG80-35-4C WELL TYPE: Coal Test

COMMENT: GAMMA, NEUTRON, RESIST, DRILL LOG, CORE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
596.0			UNCONSOLIDATED	46.0	0.0	
550.0	MATTOON		SHALE	8.0	46.0	
542.0	MATTOON		BLACK SHALE	1.5	54.0	
540.5	MATTOON		LIMESTONE	0.5	55.5	
540.0	MATTOON		SHALE	10.0	56.0	
530.0	MATTOON		CALCAREOUS SHALE	4.0	66.0	
526.0	MATTOON		SANDY LIMESTONE	9.0	70.0	
517.0	MATTOON		SHALE	22.5	79.0	
494.5	MATTOON		BLACK SHALE	3.5	101.5	
491.0	MATTOON		LIMESTONE	1.0	105.0	
490.0	MATTOON		SHALE	1.0	106.0	
489.0	MATTOON		LIMESTONE	4.0	107.0	SHALEY BOTTOM 2 FEET
485.0	MATTOON		SHALE	14.5	111.0	
470.5	MATTOON		LIMESTONE	0.5	125.5	
470.0	MATTOON		SHALE	1.0	126.0	
469.0	MATTOON		BLACK SHALE	3.0	127.0	
466.0	MATTOON		SHALE	4.5	130.0	
461.5	MATTOON		LIMESTONE	1.5	134.5	
460.0	MATTOON		SHALE	6.0	136.0	
454.0	MATTOON		SANDSTONE	4.0	142.0	
450.0	MATTOON		SANDY SHALE	33.0	146.0	
417.0	MATTOON		COAL	1.0	179.0	
416.0	MATTOON		CALCAREOUS SHALE	5.0	180.0	
411.0	MATTOON		SANDY LIMESTONE	2.0	185.0	
409.0	MATTOON		CALCAREOUS SHALE	9.0	187.0	
400.0	MATTOON		SHALE	28.0	196.0	
372.0	MATTOON		LIMESTONE	1.5	224.0	
370.5	MATTOON		SHALE	2.5	225.5	
368.0	MATTOON		BLACK SHALE	4.0	228.0	
364.0	MATTOON		LIMESTONE	0.5	232.0	
363.5	MATTOON		SHALE	35.5	232.5	
328.0	MATTOON		SANDSTONE	5.0	268.0	
323.0	MATTOON		LIMESTONE	7.5	273.0	
315.5	MATTOON		COAL	0.5	280.5	
315.0	MATTOON		SHALE	33.0	281.0	
282.0	MATTOON		LIMESTONE	0.5	314.0	
281.5	MATTOON		SHALE	33.0	314.5	
248.5	MATTOON		LIMESTONE	0.5	347.5	
248.0	MATTOON		SANDY SHALE	52.0	348.0	

196.0	MATTOON		SHALE	58.5	400.0	
137.5	MATTOON		LIMESTONE	0.5	458.5	
137.0	MATTOON		SHALE	1.0	459.0	
136.0	MATTOON		SANDSTONE	12.0	460.0	
124.0	MATTOON		SANDY LIMESTONE	11.0	472.0	
113.0	MATTOON		SHALE	43.0	483.0	
70.0	MATTOON		COAL	2.0	526.0	
68.0	MATTOON		SHALE	15.8	528.0	
52.2	BOND	MILLERSVILLE	LIMESTONE	1.7	543.8	
50.5	BOND	MILLERSVILLE	SHALE	6.5	545.5	
44.0	BOND	MILLERSVILLE	LIMESTONE	8.0	552.0	SHALEY BOTTOM 1.5 FEET
36.0	BOND		SANDY SHALE	10.0	560.0	
26.0	BOND		SHALE	12.0	570.0	
14.0	BOND		SANDY SHALE	8.0	582.0	
6.0	BOND		SHALE	100.0	590.0	
-94.0	BOND		COAL	2.0	690.0	
-96.0	BOND		SHALE	5.5	692.0	
-101.5	BOND		SANDY LIMESTONE	6.5	697.5	
-108.0	BOND		SHALE	28.5	704.0	
-136.5	BOND	CARTHAGE	LIMESTONE	7.5	732.5	
-144.0	MODESTO	NEW HAVEN	BLACK SHALE	2.5	740.0	WITH COAL
-146.5	MODESTO		SHALE	67.5	742.5	
-214.0	MODESTO		SANDY SHALE	9.5	810.0	
-223.5	MODESTO		LIMESTONE	1.0	819.5	
-224.5	MODESTO		SANDSTONE	21.5	820.5	
-246.0	MODESTO		SHALE	57.0	842.0	
-303.0	MODESTO		SANDSTONE	41.0	899.0	
-344.0	MODESTO	WEST FRANKLIN	LIMESTONE	2.5	940.0	
-346.5	MODESTO	WEST FRANKLIN	SANDSTONE	12.5	942.5	
-359.0	MODESTO	WEST FRANKLIN	SANDY LIMESTONE	2.0	955.0	
-361.0	MODESTO		SHALE	132.0	957.0	
-493.0	CARBONDALE	DANVILLE	COAL	4.0	1089.0	
-497.0	CARBONDALE		SHALE	3.5	1093.0	
-500.5	CARBONDALE	BANKSTON FORK	LIMESTONE	2.5	1096.5	
-503.0	CARBONDALE		CALCAREOUS SHALE	1.0	1099.0	
-504.0	CARBONDALE		SHALE	16.0	1100.0	
-520.0	CARBONDALE	HERRIN	COAL	7.0	1116.0	
-527.0	CARBONDALE		SHALE	2.0	1123.0	
-529.0	CARBONDALE		LIMESTONE	3.0	1125.0	
-532.0	CARBONDALE		SHALE	6.6	1128.0	CORED 1129-1137; LS NODULES
-538.6	CARBONDALE		CALCAREOUS SHALE	2.4	1134.6	
-541.0	CARBONDALE		SHALE	8.0	1137.0	NODULES
-549.0	CARBONDALE	BRIAR HILL	COAL	2.0	1145.0	
-551.0	CARBONDALE		SHALE	4.0	1147.0	
-555.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1151.0	
-560.0	CARBONDALE		SHALE	68.0	1156.0	
-628.0	CARBONDALE	HOUCHIN CREEK	COAL	1.8	1224.0	

-629.8	CARBONDALE		SHALE	50.7	1225.8	
-680.5	CARBONDALE	SURVANT - UPPER	COAL	1.5	1276.5	
-682.0	CARBONDALE		UNDERCLAY	2.0	1278.0	
-684.0	CARBONDALE		SHALE	27.5	1280.0	
-711.5	CARBONDALE	SURVANT - LOWER	COAL	1.0	1307.5	
-712.5	CARBONDALE		SHALE	43.5	1308.5	
-756.0	CARBONDALE	COLCHESTER	COAL	2.5	1352.0	
-758.5	SPOON		SHALE	9.0	1354.5	CORE #2 1362-1377
-767.5	SPOON		BLACK SHALE	4.8	1363.5	
-772.3	SPOON	SEELYVILLE	COAL	7.7	1368.3	
-780.0	SPOON		SHALE	19.0	1376.0	
-799.0	SPOON		COAL	1.0	1395.0	

MAPID: 04900237000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 9N 4E **SECTION:** 19 **QUARTERS/FOOTAGES:** NW NW SE
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.795022 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.20798 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 613.0 **LOGGED (FT.):** 865.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG, 5' #50R6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
186.0	BOND	CARTHAGE	LIMESTONE	9.0	427.0	
38.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	575.0	
-72.0	CARBONDALE	DANVILLE	COAL	3.0	685.0	
-173.0	CARBONDALE	HOUCHIN CREEK	COAL	-	786.0	
-252.0	CARBONDALE	COLCHESTER	COAL	-	865.0	

MAPID: 04900593000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 9N 4E **SECTION:** 20 **QUARTERS/FOOTAGES:** SW SW SW
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.785784 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.202516 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 638.0 **LOGGED (FT.):** 906.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG, #6 OUT

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
174.0	BOND	CARTHAGE	LIMESTONE	8.0	464.0	
28.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	610.0	
-82.0	CARBONDALE	DANVILLE	COAL	-	720.0	
-107.0	CARBONDALE	SPRINGFIELD	COAL	-	745.0	
-189.0	CARBONDALE	HOUCHIN CREEK	COAL	-	827.0	
-268.0	CARBONDALE	COLCHESTER	COAL	-	906.0	

MAPID: 04900523000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 4E SECTION: 21 QUARTERS/FOOTAGES: SE SE NW

QUADRANGLE: BEECHER CITY LONGITUDE: -88.760354 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.209651 DATE COLLECTED:

SURFACE ELEVATION (FT.): 617.0 LOGGED (FT.): 886.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
161.0	BOND	CARTHAGE	LIMESTONE	9.0	456.0
14.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	603.0
-92.0	CARBONDALE	DANVILLE	COAL	-	709.0
-120.0	CARBONDALE	SPRINGFIELD	COAL	3.0	737.0
-191.0	CARBONDALE	HOUCHIN CREEK	COAL	-	808.0
-269.0	CARBONDALE	COLCHESTER	COAL	-	886.0

MAPID: 04921965000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 4E SECTION: 21 QUARTERS/FOOTAGES: 330' N line, 355' E line of NE NW

QUADRANGLE: BEECHER CITY LONGITUDE: -88.760471 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.215077 DATE COLLECTED:

SURFACE ELEVATION (FT.): 622.0 LOGGED (FT.): 1033.0 LOG TYPE: Nuclear Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG, 3' #50R6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
173.0	BOND	CARTHAGE	LIMESTONE	10.0	449.0
22.0	MODESTO	WEST FRANKLIN	LIMESTONE	25.0	600.0
-84.0	CARBONDALE	DANVILLE	COAL	3.0	706.0
-180.0	CARBONDALE	HOUCHIN CREEK	COAL	-	802.0
-252.0	CARBONDALE	COLCHESTER	COAL	-	874.0
-408.0	CARBONDALE	SEELYVILLE	COAL	3.0	1030.0

MAPID: 04900524000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 4E SECTION: 29 QUARTERS/FOOTAGES: NW NE SW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.781111 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.193424 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 616.0 LOGGED (FT.): 946.0 LOG TYPE: Electric Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: FAIR LOG, #6 OUT

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
570.0	BOND	CARTHAGE	LIMESTONE	51.0	46.0
0.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	616.0
-114.0	CARBONDALE	DANVILLE	COAL	2.0	730.0
-138.0	CARBONDALE	SPRINGFIELD	COAL	2.0	754.0
-222.0	CARBONDALE	HOUCHIN CREEK	COAL	-	838.0
-330.0	CARBONDALE	COLCHESTER	COAL	-	946.0

MAPID: 04901714000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 4E SECTION: 31 QUARTERS/FOOTAGES: 43' S line, 45' E line of NW
 QUADRANGLE: BEECHER CITY LONGITUDE: -88.796315 GEOLOGIST: C TREWORY
 CONFIDENTIAL: N LATITUDE: 39.179967 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 625.0 LOGGED (FT.): 758.0 LOG TYPE: Nuclear Log
 SOURCE: WELL TYPE: Oil and Gas Test
 COMMENT: GOOD LOG, #6 OUT

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
212.0	BOND	CARTHAGE	LIMESTONE	9.0	413.0
65.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	560.0
-41.0	CARBONDALE	DANVILLE	COAL	2.0	666.0
-64.0	CARBONDALE	SPRINGFIELD	COAL	-	689.0
-131.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	756.0

MAPID: 04900526000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 9N 4E **SECTION:** 32 **QUARTERS/FOOTAGES:** SE SE NW
QUADRANGLE: BEECHER CITY **LONGITUDE:** -88.778732 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.180699 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 600.0 **LOGGED (FT.):** 893.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: FAIR LOG, #6&5 OUT

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
173.0	BOND	CARTHAGE	LIMESTONE	9.0	427.0	
24.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	576.0	
-88.0	CARBONDALE	DANVILLE	COAL	2.0	688.0	
-193.0	CARBONDALE	HOUCHIN CREEK	COAL	-	793.0	
-293.0	CARBONDALE	COLCHESTER	COAL	-	893.0	

MAPID: 04922451000C **VERSION:** 1 **PROJECT:** IBC XSECT
COUNTY: EFFINGHAM **TWP/RNG:** 9N 5E **SECTION:** 20 **QUARTERS/FOOTAGES:** 330' N line, 330' W line of NE NW NW
QUADRANGLE: SHUMWAY **LONGITUDE:** -88.671461 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.215179 **DATE COLLECTED:** 2 / 0 / 1975
SURFACE ELEVATION (FT.): 631.0 **LOGGED (FT.):** 1140.0 **LOG TYPE:** Porosity 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	
-206.0	CARBONDALE	HERRIN	COAL	-	837.0	LITHOLOGY & CORRELATION UNCERTAIN
-509.0	CARBONDALE	COLCHESTER	COAL	-	1140.0	APPROXIMATE POSITION - COAL ABSENT

MAPID: 04900527000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: EFFINGHAM **TWP/RNG:** 9N 5E **SECTION:** 23 **QUARTERS/FOOTAGES:** NW SW NE
QUADRANGLE: EFFINGHAM NORTH **LONGITUDE:** -88.608348 **GEOLOGIST:** C TREWORY
CONFIDENTIAL: N **LATITUDE:** 39.211216 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 637.0 **LOGGED (FT.):** 1136.0 **LOG TYPE:** Electric Log
SOURCE: **WELL TYPE:** Oil and Gas Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-103.0	MODESTO	TRIVOLI	SANDSTONE	50.0	740.0	
-153.0	MODESTO	WEST FRANKLIN	LIMESTONE	-	790.0	
-301.0	CARBONDALE	DANVILLE	COAL	3.0	938.0	
-339.0	CARBONDALE	SPRINGFIELD	COAL	4.5	976.0	
-431.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1068.0	
-499.0	CARBONDALE	COLCHESTER	COAL	-	1136.0	

MAPID: 04900334000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 5E SECTION: 24 QUARTERS/FOOTAGES: NW SW SE

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.589495 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.203744 DATE COLLECTED:

SURFACE ELEVATION (FT.): 632.0 LOGGED (FT.): 1087.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-3.0	BOND	CARTHAGE	LIMESTONE	5.0	635.0	
-106.0	MODESTO	TRIVOLI	SANDSTONE	62.0	738.0	
-171.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	803.0	
-328.0	CARBONDALE	DANVILLE	COAL	2.5	960.0	
-373.0	CARBONDALE	SPRINGFIELD	COAL	3.0	1005.0	
-455.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1087.0	

MAPID: 04900528000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 5E SECTION: 31 QUARTERS/FOOTAGES: NW SE NE

QUADRANGLE: SHUMWAY LONGITUDE: -88.678392 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.182445 DATE COLLECTED:

SURFACE ELEVATION (FT.): 642.0 LOGGED (FT.): 1068.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
31.0	BOND	CARTHAGE	LIMESTONE	5.0	611.0	
-60.0	MODESTO	TRIVOLI	SANDSTONE	27.0	702.0	
-88.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	730.0	
-220.0	CARBONDALE	DANVILLE	COAL	2.0	862.0	
-252.0	CARBONDALE	SPRINGFIELD	COAL	4.0	894.0	
-335.0	CARBONDALE	HOUCHIN CREEK	COAL	-	977.0	
-426.0	CARBONDALE	COLCHESTER	COAL	-	1068.0	

MAPID: 04900529000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 9N 5E

SECTION: 32

QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: SHUMWAY

LONGITUDE: -88.671387

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.178785

DATE COLLECTED:

SURFACE ELEVATION (FT.): 639.0

LOGGED (FT.): 1016.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
13.0	BOND	CARTHAGE	LIMESTONE	6.0	626.0	
-115.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	754.0	
-251.0	CARBONDALE	DANVILLE	COAL	2.5	890.0	
-286.0	CARBONDALE	SPRINGFIELD	COAL	4.0	925.0	LS OVER SH ROOF
-377.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1016.0	

MAPID: 04901099000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 9N 5E

SECTION: 33

QUARTERS/FOOTAGES: SW SW NE

QUADRANGLE: SHUMWAY

LONGITUDE: -88.645704

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.180411

DATE COLLECTED:

SURFACE ELEVATION (FT.): 647.0

LOGGED (FT.): 1116.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
22.0	BOND	CARTHAGE	LIMESTONE	6.0	625.0	
-124.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	771.0	
-267.0	CARBONDALE	DANVILLE	COAL	-	914.0	
-301.0	CARBONDALE	SPRINGFIELD	COAL	5.5	948.0	SHALE ROOF
-397.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1044.0	
-469.0	CARBONDALE	COLCHESTER	COAL	-	1116.0	

MAPID: 04900530000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 9N 5E

SECTION: 35

QUARTERS/FOOTAGES: SE SW NE

QUADRANGLE: EFFINGHAM NORTH

LONGITUDE: -88.60585

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.180308

DATE COLLECTED:

SURFACE ELEVATION (FT.): 625.0

LOGGED (FT.): 1080.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-25.0	BOND	CARTHAGE	LIMESTONE	7.0	650.0	
-171.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	796.0	
-323.0	CARBONDALE	DANVILLE	COAL	3.0	948.0	
-347.0	CARBONDALE	HERRIN	COAL	4.0	972.0	
-369.0	CARBONDALE	SPRINGFIELD	COAL	3.5	994.0	LS OVER SH ROOF
-455.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1080.0	

MAPID: 04900531000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 9N 6E

SECTION: 22

QUARTERS/FOOTAGES: SW SE NW

QUADRANGLE: EFFINGHAM NORTH

LONGITUDE: -88.520567

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.208941

DATE COLLECTED:

SURFACE ELEVATION (FT.): 620.0

LOGGED (FT.): 1033.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-63.0	BOND	CARTHAGE	LIMESTONE	7.0	683.0	
-154.0	MODESTO	TRIVOLI	SANDSTONE	26.0	774.0	
-199.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	819.0	
-361.0	CARBONDALE	DANVILLE	COAL	4.0	981.0	
-386.0	CARBONDALE	HERRIN	COAL	4.0	1006.0	LS OVER SH ROOF
-407.0	CARBONDALE	SPRINGFIELD	COAL	6.5	1027.0	SHALE ROOF

MAPID: 04900532000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 6E SECTION: 23 QUARTERS/FOOTAGES: 958' N line, 997' E line of SE NE

QUADRANGLE: TEUTOPOLIS LONGITUDE: -88.492905 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.208783 DATE COLLECTED:

SURFACE ELEVATION (FT.): 634.0 LOGGED (FT.): 1081.5 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-100.0	BOND	CARTHAGE	LIMESTONE	6.0	734.0	
-232.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	866.0	
-395.0	CARBONDALE	DANVILLE	COAL	5.0	1029.0	
-413.0	CARBONDALE	HERRIN	COAL	5.0	1047.0	LS OVER SH ROOF
-442.0	CARBONDALE	SPRINGFIELD	COAL	5.5	1076.0	LS OVER SH ROOF

MAPID: 04900533000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 6E SECTION: 25 QUARTERS/FOOTAGES: SW SW SE

QUADRANGLE: TEUTOPOLIS LONGITUDE: -88.478927 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.186927 DATE COLLECTED:

SURFACE ELEVATION (FT.): 628.0 LOGGED (FT.): 1145.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-94.0	BOND	CARTHAGE	LIMESTONE	5.0	722.0	
-221.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	849.0	
-380.0	CARBONDALE	DANVILLE	COAL	4.0	1008.0	
-398.0	CARBONDALE	HERRIN	COAL	4.5	1026.0	LS OVER SH ROOF
-426.0	CARBONDALE	BRIAR HILL	COAL	-	1054.0	
-430.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1058.0	SHALE ROOF
-517.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1145.0	

MAPID: 04901157000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 9N 6E

SECTION: 26

QUARTERS/FOOTAGES: NW NW SW

QUADRANGLE: EFFINGHAM NORTH

LONGITUDE: -88.506575

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.192535

DATE COLLECTED:

SURFACE ELEVATION (FT.): 626.0

LOGGED (FT.): 1235.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-53.0	BOND	CARTHAGE	LIMESTONE	5.0	679.0	
-210.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	836.0	
-392.0	CARBONDALE	HERRIN	COAL	5.0	1018.0	LS OVER SH ROOF
-419.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1045.0	SHALE ROOF
-521.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1147.0	
-609.0	CARBONDALE	COLCHESTER	COAL	-	1235.0	

MAPID: 04900535000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM

TWP/RNG: 9N 6E

SECTION: 27

QUARTERS/FOOTAGES: NE NE SW

QUADRANGLE: EFFINGHAM NORTH

LONGITUDE: -88.518215

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N

LATITUDE: 39.192564

DATE COLLECTED:

SURFACE ELEVATION (FT.): 613.0

LOGGED (FT.): 1115.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-49.0	BOND	CARTHAGE	LIMESTONE	4.0	662.0	
-196.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	809.0	
-358.0	CARBONDALE	DANVILLE	COAL	3.5	971.0	
-404.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1017.0	SHALE ROOF
-502.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1115.0	

MAPID: 04900043000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 6E SECTION: 28 QUARTERS/FOOTAGES: 660' S line, 330' E line of SW

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.536888 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.188063 DATE COLLECTED:

SURFACE ELEVATION (FT.): 615.0 LOGGED (FT.): 1138.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-82.0	BOND	CARTHAGE	LIMESTONE	5.0	697.0	
-223.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	838.0	
-389.0	CARBONDALE	DANVILLE	COAL	3.5	1004.0	
-413.0	CARBONDALE	HERRIN	COAL	3.5	1028.0	LS OVER SH ROOF
-441.0	CARBONDALE	SPRINGFIELD	COAL	6.0	1056.0	SHALE ROOF
-523.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1138.0	

MAPID: 04900536000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 6E SECTION: 34 QUARTERS/FOOTAGES: NW NW SE

QUADRANGLE: EFFINGHAM NORTH LONGITUDE: -88.515868 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.178125 DATE COLLECTED:

SURFACE ELEVATION (FT.): 618.0 LOGGED (FT.): 1121.0 LOG TYPE: Electric Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-72.0	BOND	CARTHAGE	LIMESTONE	3.0	690.0	
-225.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	843.0	
-390.0	CARBONDALE	DANVILLE	COAL	3.0	1008.0	
-410.0	CARBONDALE	HERRIN	COAL	4.0	1028.0	LS OVER SH ROOF
-438.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1056.0	SHALE ROOF
-503.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1121.0	

MAPID: 04900537000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: EFFINGHAM TWP/RNG: 9N 6E SECTION: 36 QUARTERS/FOOTAGES: SE SE SW

QUADRANGLE: TEUTOPOLIS LONGITUDE: -88.481157 GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.172472 DATE COLLECTED:

SURFACE ELEVATION (FT.): 618.0 LOGGED (FT.): 1045.0 LOG TYPE: Nuclear Log

SOURCE: WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-83.0	BOND	CARTHAGE	LIMESTONE	3.0	701.0	
-215.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	833.0	
-375.0	CARBONDALE	DANVILLE	COAL	3.5	993.0	
-422.0	CARBONDALE	SPRINGFIELD	COAL	5.0	1040.0	LS OVER SH ROOF