



Status Report

Total Records: 148

TOP 3 COUNTY RECORDS

MOULTRIE 148

TOP 3 MEMBER RECORDS

DANVILLE 123 COAL
 WEST FRANKLIN 115 LIMESTONE
 HERRIN 110 COAL

TOP 3 LOG TYPE RECORDS

Electric Log 100
 Drillers Log 21
 Multiple log types 17

TOP 3 COAL RECORDS

DANVILLE 123
 HERRIN 110
 SPRINGFIELD 85

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
SHUMWAY	LIMESTONE	133.0	133.0	133.0	9.0	9.0	9.0
MILLERSVILLE	LIMESTONE	399.2	285.0	444.0	35.3	24.0	63.0
CARTHAGE	LIMESTONE	582.9	410.0	753.0	8.4	5.0	13.0
MACOUPIN	LIMESTONE	663.5	650.0	677.0	5.0	4.0	6.0
CHAPEL	COAL	746.2	735.0	755.5	1.3	1.0	2.0
WEST FRANKLIN	LIMESTONE	718.8	550.0	882.0	15.4	5.0	35.8
PIASA	LIMESTONE	786.0	786.0	786.0	6.0	6.0	6.0
DANVILLE	COAL	845.5	653.0	1012.0	2.9	2.0	5.2
DANVILLE SUMP	COAL	916.1	829.0	976.5	1.3	0.8	2.5
BANKSTON FORK	LIMESTONE	878.6	878.6	878.6	4.4	4.4	4.4
JAMESTOWN	COAL	942.5	912.0	963.5	1.5	0.6	2.6
BRERETON	LIMESTONE	885.9	835.0	956.1	5.5	0.9	9.5
ANNA	SHALE	916.7	868.2	957.0	3.2	0.8	6.0
HERRIN	COAL	906.0	750.0	1092.0	4.4	2.0	17.5
ST. DAVID	LIMESTONE	938.0	844.0	987.5	1.1	0.5	2.0
TURNER MINE	SHALE	951.0	844.5	994.0	2.9	1.0	5.0
SPRINGFIELD	COAL	922.9	776.0	1098.0	3.5	1.0	5.0
EXCELLO	SHALE	1078.0	1078.0	1078.0	3.0	3.0	3.0
HOUCHIN CREEK	COAL	975.1	801.0	1206.0	-	-	-
SURVANT	COAL	1138.0	1138.0	1138.0	3.0	3.0	3.0
MECCA QUARRY	SHALE	1177.0	1177.0	1177.0	1.0	1.0	1.0
COLCHESTER	COAL	1070.3	946.0	1178.0	1.0	1.0	1.0
SEELYVILLE	COAL	1194.0	1194.0	1194.0	7.0	7.0	7.0
					Net Coal	25.9	

MAPID: 13900281000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 12N 5E SECTION: 1
QUADRANGLE: SULLIVAN LONGITUDE: -88.584782
CONFIDENTIAL: N LATITUDE: 39.506062
SURFACE ELEVATION (FT.): 654.0 LOGGED (FT.): 407.0
SOURCE: SUN OIL CO.
COMMENT:

FOOT (NS): 50 S FOOT (EW): 50 E
GEOLOGIST: TREWORGY,J
DATE COLLECTED: 6 / 22 / 1951
LOG TYPE: Drillers Log
WELL TYPE: Engineering Test Holes

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
654.0			UNCONSOLIDATED	116.0	0.0
538.0			ROCK	163.0	116.0
375.0			COAL	2.0	279.0
373.0			ROCK	96.0	281.0
277.0			SHALE/COAL	1.0	377.0
276.0			ROCK	29.0	378.0

MAPID: 13900282000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 12N 5E SECTION: 2
QUADRANGLE: SULLIVAN LONGITUDE: -88.62241
CONFIDENTIAL: N LATITUDE: 39.506642
SURFACE ELEVATION (FT.): 652.0 LOGGED (FT.): 366.0
SOURCE: SUN OIL CO.
COMMENT:

FOOT (NS): 50 S FOOT (EW): 50 W
GEOLOGIST: TREWORGY,J
DATE COLLECTED: 6 / 18 / 1951
LOG TYPE: Drillers Log
WELL TYPE: Engineering Test Holes

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
652.0			UNCONSOLIDATED	118.0	0.0
534.0			ROCK	104.0	118.0
430.0			COAL WITH SHALE	3.0	222.0
427.0			ROCK	108.0	225.0
319.0			COAL	1.0	333.0
318.0			ROCK	32.0	334.0

MAPID: 13900283000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 12N 5E SECTION: 2

FOOT (NS): 50 S FOOT (EW): 50 E

QUADRANGLE: SULLIVAN LONGITUDE: -88.603877

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.506267

DATE COLLECTED: 6 / 20 / 1951

SURFACE ELEVATION (FT.): 657.0

LOGGED (FT.): 388.0

LOG TYPE: Drillers Log

SOURCE: SUN OIL CO.

WELL TYPE: Engineering Test Holes

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
657.0			UNCONSOLIDATED	155.0	0.0	
502.0			ROCK	105.0	155.0	
397.0			COAL WITH SHALE	4.0	260.0	
393.0			ROCK	95.0	264.0	
298.0			COAL	2.0	359.0	
296.0			ROCK	0.0	361.0	

MAPID: 13900191000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 5E SECTION: 11 NESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.609486

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.501697

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 660.0

LOGGED (FT.): 1126.0

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	10.0	604.0	
-92.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	752.0	
-221.0	CARBONDALE	DANVILLE	COAL	2.0	881.0	
-267.0	CARBONDALE	HERRIN	COAL	2.5	927.0	
-286.0	CARBONDALE	SPRINGFIELD	COAL	-	946.0	
-355.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1015.0	

MAPID: 13900186000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 5 NWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.554911

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.519903

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 653.0 LOGGED (FT.): 1040.0

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	
32.0	BOND	CARTHAGE	LIMESTONE	8.0	621.0	
-232.0	CARBONDALE	DANVILLE	COAL	-	885.0	
-291.0	CARBONDALE	HERRIN	COAL	3.0	944.0	
-309.0	CARBONDALE	SPRINGFIELD	COAL	-	962.0	
-387.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1040.0	

MAPID: 13900186000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 5 NWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.554911

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.519903

DATE COLLECTED: 8 / 20 / 1963

SURFACE ELEVATION (FT.): 653.0 LOGGED (FT.): 1040.0

LOG TYPE: Electric Log

SOURCE: T. L. METCALF

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
653.0			UNKNOWN	885.0	0.0	
-232.0	CARBONDALE	DANVILLE	COAL	-	885.0	
-232.0	CARBONDALE		ROCK	59.0	885.0	
-291.0	CARBONDALE	HERRIN	COAL	3.0	944.0	
-294.0	CARBONDALE		ROCK	15.0	947.0	
-309.0	CARBONDALE	SPRINGFIELD	COAL	-	962.0	
-309.0	CARBONDALE		ROCK	78.0	962.0	
-387.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1040.0	

MAPID: 13900193000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 8 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.563981

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.497991

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 1124.0

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
53.0	BOND	CARTHAGE	LIMESTONE	10.0	612.0
-95.0	MODESTO	WEST FRANKLIN	LIMESTONE	21.0	760.0
-200.0	CARBONDALE	DANVILLE	COAL	-	865.0
-261.0	CARBONDALE	HERRIN	COAL	3.0	926.0
-353.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1018.0

MAPID: 13900194000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 10 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.526169

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.496068

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 664.0 LOGGED (FT.): 1150.0

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
4.0	BOND	CARTHAGE	LIMESTONE	10.0	660.0
-130.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	794.0
-258.0	CARBONDALE	DANVILLE	COAL	3.0	922.0
-310.0	CARBONDALE	HERRIN	COAL	3.0	974.0
-397.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1061.0

MAPID: 13900195000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 11 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COOKS MILLS LONGITUDE: -88.49369

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.505154

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 1115.0

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
-25.0	BOND	CARTHAGE	LIMESTONE	9.0	690.0
-153.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	818.0
-267.0	CARBONDALE	DANVILLE	COAL	-	932.0
-345.0	CARBONDALE	HERRIN	COAL	2.0	1010.0
-450.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1115.0

MAPID: 13900196000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 12 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MATTOON WEST LONGITUDE: -88.472687

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.492114

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 698.0 LOGGED (FT.): 1277.0

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	
-55.0	BOND	CARTHAGE	LIMESTONE	9.0	753.0	
-184.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	882.0	
-304.0	CARBONDALE	DANVILLE	COAL	-	1002.0	
-394.0	CARBONDALE	HERRIN	COAL	3.0	1092.0	
-504.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1202.0	

MAPID: 13900197000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 15 NWSWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.516583

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.479532

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 698.0 LOGGED (FT.): 1221.0

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	
-16.0	BOND	CARTHAGE	LIMESTONE	10.0	714.0	
-153.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	851.0	
-272.0	CARBONDALE	DANVILLE	COAL	-	970.0	
-334.0	CARBONDALE	HERRIN	COAL	3.5	1032.0	
-349.0	CARBONDALE	SPRINGFIELD	COAL	-	1047.0	
-414.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1112.0	

MAPID: 13900198000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 16 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.544716

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.477858

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 666.0 LOGGED (FT.): 1034.0

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
30.0	BOND	CARTHAGE	LIMESTONE	13.0	636.0
-106.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	772.0
-228.0	CARBONDALE	DANVILLE	COAL	-	894.0
-264.0	CARBONDALE	HERRIN	COAL	-	930.0
-284.0	CARBONDALE	SPRINGFIELD	COAL	3.0	950.0

MAPID: 13900149000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 18 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.57599

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.48326

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 679.0 LOGGED (FT.): 1157.0

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
39.0	BOND	CARTHAGE	LIMESTONE	9.0	640.0
-112.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	791.0
-221.0	CARBONDALE	DANVILLE	COAL	-	900.0
-281.0	CARBONDALE	HERRIN	COAL	-	960.0
-293.0	CARBONDALE	SPRINGFIELD	COAL	-	972.0

MAPID: 13900060000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 21 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.537596

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.468673

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 702.0 LOGGED (FT.): 1087.0

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
10.0	BOND	CARTHAGE	LIMESTONE	10.0	692.0
-114.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	816.0
-238.0	CARBONDALE	DANVILLE	COAL	2.0	940.0
-316.0	CARBONDALE	SPRINGFIELD	COAL	2.5	1018.0
-385.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1087.0

MAPID: 13900201000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 21 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.537596

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.468673

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 693.0 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.)	
				UNIT	OVERBURDEN COMMENT
25.0	BOND	CARTHAGE	LIMESTONE	9.0	668.0
-114.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	807.0
-237.0	CARBONDALE	DANVILLE	COAL	2.0	930.0
-297.0	CARBONDALE	HERRIN	COAL	2.0	990.0
-310.0	CARBONDALE	SPRINGFIELD	COAL	-	1003.0
-377.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1070.0

MAPID: 13900082000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 22 NESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.514128

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.472193

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 721.0 LOGGED (FT.): 1220.0

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
9.0	BOND	CARTHAGE	LIMESTONE	9.0	712.0
-125.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	846.0
-246.0	CARBONDALE	DANVILLE	COAL	2.0	967.0
-316.0	CARBONDALE	HERRIN	COAL	4.0	1037.0
-332.0	CARBONDALE	SPRINGFIELD	COAL	-	1053.0
-409.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1130.0

MAPID: 13900205000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 22 SENWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.523461

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.466731

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 718.0 LOGGED (FT.): 1201.0

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
13.0	BOND	CARTHAGE	LIMESTONE	12.0	705.0
-121.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	839.0
-241.0	CARBONDALE	DANVILLE	COAL	2.0	959.0
-305.0	CARBONDALE	HERRIN	COAL	2.5	1023.0
-322.0	CARBONDALE	SPRINGFIELD	COAL	2.0	1040.0
-396.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1114.0

MAPID: 13900206000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 23 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.507007

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.468476

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 735.0 LOGGED (FT.): 1249.0

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	BOND	CARTHAGE	LIMESTONE	10.0	734.0
-131.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	866.0
-251.0	CARBONDALE	DANVILLE	COAL	-	986.0
-326.0	CARBONDALE	HERRIN	COAL	4.0	1061.0
-348.0	CARBONDALE	SPRINGFIELD	COAL	-	1083.0
-425.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1160.0

MAPID: 13900214000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 12N 6E SECTION: 28 NWSNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: WINDSOR LONGITUDE: -88.539871

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.457727

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 728.0 LOGGED (FT.): 1243.0

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
-20.0	BOND	CARTHAGE	LIMESTONE	12.0	748.0
-147.0	MODESTO	WEST FRANKLIN	LIMESTONE	17.0	875.0
-336.0	CARBONDALE	HERRIN	COAL	3.5	1064.0
-357.0	CARBONDALE	SPRINGFIELD	COAL	-	1085.0
-422.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1150.0

MAPID: 13900005000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 4E SECTION: 2 NENENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KIRKSVILLE LONGITUDE: -88.727568

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.607799

DATE COLLECTED: 2 / 0 / 1923

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 2150.0

LOG TYPE: Drillers Log

SOURCE: LINCOLN O'KAW

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
600.0			UNCONSOLIDATED	65.0	0.0
535.0			ROCK	35.0	65.0
500.0			COAL	2.0	100.0
498.0			ROCK	68.0	102.0
430.0			COAL	-	170.0
430.0			ROCK	10.0	170.0
420.0			COAL	6.0	180.0
414.0			ROCK	39.0	186.0
375.0			COAL	-	225.0
375.0			ROCK	160.0	225.0
215.0			COAL	-	385.0
215.0			ROCK	85.0	385.0
130.0			COAL	-	470.0
130.0			ROCK	65.0	470.0
65.0			COAL	-	535.0
65.0			ROCK	1615.0	535.0

MAPID: 13900134000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 11 SESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.610341

GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.580162

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 670.0 LOGGED (FT.): 1140.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG, GYSH ON5

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
72.0	BOND	CARTHAGE	LIMESTONE	9.0	598.0
-68.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	738.0
-223.0	CARBONDALE	DANVILLE	COAL	3.0	893.0
-247.0	CARBONDALE	HERRIN	COAL	3.0	917.0
-276.0	CARBONDALE	SPRINGFIELD	COAL	4.5	946.0
-348.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1018.0

MAPID: 13900134000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 11 SESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.610341

GEOLOGIST: TREWORY,J

CONFIDENTIAL: N LATITUDE: 39.580162

DATE COLLECTED: 5 / 0 / 1958

SURFACE ELEVATION (FT.): 670.0 LOGGED (FT.): 1140.0

LOG TYPE: Electric Log

SOURCE: NATION OIL CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
670.0			UNKNOWN	893.0	0.0
-223.0	CARBONDALE	DANVILLE	COAL	3.0	893.0
-226.0	CARBONDALE		ROCK	21.0	896.0
-247.0	CARBONDALE	HERRIN	COAL	3.0	917.0
-250.0	CARBONDALE		ROCK	26.0	920.0
-276.0	CARBONDALE	SPRINGFIELD	COAL	4.5	946.0
-280.5	CARBONDALE		ROCK	67.5	950.5
-348.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1018.0
-348.0	CARBONDALE		ROCK	122.0	1018.0
-470.0	CARBONDALE	COLCHESTER	COAL	-	1140.0

MAPID: 13920607000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 13 SWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.592503

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.573665

DATE COLLECTED: 0 / 0 / 1949

SURFACE ELEVATION (FT.): 630.0

LOGGED (FT.): 270.0

LOG TYPE: Drillers Log

SOURCE: E. C. BAKER & SONS

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
630.0			UNCONSOLIDATED	117.0	0.0	
513.0			ROCK	121.0	117.0	
392.0			COAL	3.0	238.0	
389.0			ROCK	29.0	241.0	

MAPID: 13900219000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 26 NWSWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.612398

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.538155

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 640.0

LOGGED (FT.): 1097.0

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	
66.0	BOND	CARTHAGE	LIMESTONE	8.0	574.0	
-78.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	718.0	
-199.0	CARBONDALE	DANVILLE	COAL	-	839.0	
-246.0	CARBONDALE	HERRIN	COAL	-	886.0	
-271.0	CARBONDALE	SPRINGFIELD	COAL	3.0	911.0	
-340.0	CARBONDALE	HOUCHIN CREEK	COAL	-	980.0	

MAPID: 13900219000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 26 NWSWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.612398

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.538155

DATE COLLECTED: 4 / 0 / 1946

SURFACE ELEVATION (FT.): 640.0 LOGGED (FT.): 1097.0

LOG TYPE: Electric Log

SOURCE: COLLINS BROS. OIL

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
640.0			UNKNOWN	839.0	0.0	
-199.0	CARBONDALE	DANVILLE	COAL	-	839.0	
-199.0	CARBONDALE		ROCK	47.0	839.0	
-246.0	CARBONDALE	HERRIN	COAL	-	886.0	
-246.0	CARBONDALE		ROCK	25.0	886.0	
-271.0	CARBONDALE	SPRINGFIELD	COAL	3.0	911.0	
-274.0	CARBONDALE		ROCK	66.0	914.0	
-340.0	CARBONDALE	HOUCHIN CREEK	COAL	-	980.0	
-340.0	CARBONDALE		ROCK	117.0	980.0	
-457.0	CARBONDALE	COLCHESTER	COAL	-	1097.0	

MAPID: 13900008000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 29 SWSENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KIRKSVILLE LONGITUDE: -88.663974

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.543804

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 647.0 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	
97.0	BOND	CARTHAGE	LIMESTONE	9.0	550.0	
-49.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	696.0	
-184.0	CARBONDALE	DANVILLE	COAL	4.0	831.0	
-237.0	CARBONDALE	HERRIN	COAL	4.0	884.0	
-318.0	CARBONDALE	HOUCHIN CREEK	COAL	-	965.0	

MAPID: 13900008000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 29 SWSENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KIRKSVILLE LONGITUDE: -88.663974

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.543804

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 647.0 LOGGED (FT.): 1075.0

LOG TYPE: Electric Log

SOURCE: SEABOARD OIL CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
647.0			UNKNOWN	831.0	0.0	
-184.0	CARBONDALE	DANVILLE	COAL	4.0	831.0	
-188.0	CARBONDALE		ROCK	49.0	835.0	
-237.0	CARBONDALE	HERRIN	COAL	4.0	884.0	
-241.0	CARBONDALE		ROCK	77.0	888.0	
-318.0	CARBONDALE	HOUCHIN CREEK	COAL	-	965.0	
-318.0	CARBONDALE		ROCK	110.0	965.0	
-428.0	CARBONDALE	COLCHESTER	COAL	-	1075.0	

MAPID: 13920608000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 35

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.613404

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.528228

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): LOGGED (FT.): 241.0

LOG TYPE: Drillers Log

SOURCE: E. C. BAKER & SONS

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-			UNCONSOLIDATED	112.0	0.0	
-			ROCK	125.0	112.0	
-			COAL	1.0	237.0	
-			ROCK	3.0	238.0	

MAPID: 13900127000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 36 SENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.595626

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.525458

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 1088.0

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
50.0	BOND	CARTHAGE	LIMESTONE	8.0	560.0
-92.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	702.0
-218.0	CARBONDALE	DANVILLE	COAL	2.5	828.0
-276.0	CARBONDALE	HERRIN	COAL	3.0	886.0
-295.0	CARBONDALE	SPRINGFIELD	COAL	-	905.0
-370.0	CARBONDALE	HOUCHIN CREEK	COAL	-	980.0

MAPID: 13900127000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 36 SENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.595626

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.525458

DATE COLLECTED: 11 / 0 / 1951

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 1088.0

LOG TYPE: Electric Log

SOURCE: TEXAS CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
610.0			UNKNOWN	828.0	0.0
-218.0	CARBONDALE	DANVILLE	COAL	2.5	828.0
-220.5	CARBONDALE		ROCK	55.5	830.5
-276.0	CARBONDALE	HERRIN	COAL	3.0	886.0
-279.0	CARBONDALE		ROCK	16.0	889.0
-295.0	CARBONDALE	SPRINGFIELD	COAL	-	905.0
-295.0	CARBONDALE		ROCK	75.0	905.0
-370.0	CARBONDALE	HOUCHIN CREEK	COAL	-	980.0
-370.0	CARBONDALE		ROCK	108.0	980.0
-478.0	CARBONDALE	COLCHESTER	COAL	-	1088.0

MAPID: 13900127000C VERSION: 3

PROJECT: IBC XSECT

COUNTY: MOULTRIE TWP/RNG: 13N 5E SECTION: 36 SENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.595626

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.525458

DATE COLLECTED: 11 / 0 / 1951

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 1089.0

LOG TYPE: Survey Sample 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	
-276.0	CARBONDALE	HERRIN	COAL	-	886.0	
-479.0	CARBONDALE	COLCHESTER	COAL	-	1089.0	

MAPID: 13900067000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 3 NWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.517625

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.603421

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 643.0 LOGGED (FT.): 1158.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG, LS ON 5?

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
9.0	BOND	CARTHAGE	LIMESTONE	9.0	634.0	
-120.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	763.0	
-279.0	CARBONDALE	DANVILLE	COAL	3.0	922.0	
-322.0	CARBONDALE	HERRIN	COAL	2.5	965.0	
-347.0	CARBONDALE	SPRINGFIELD	COAL	3.0	990.0	
-432.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1075.0	

MAPID: 13900067000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 3 NWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.517625

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.603421

DATE COLLECTED: 7 / 0 / 1956

SURFACE ELEVATION (FT.): 643.0 LOGGED (FT.): 1158.0

LOG TYPE: Electric Log

SOURCE: REE, INC.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
643.0			UNKNOWN	922.0	0.0	
-279.0	CARBONDALE	DANVILLE	COAL	3.0	922.0	
-282.0	CARBONDALE		ROCK	40.0	925.0	
-322.0	CARBONDALE	HERRIN	COAL	2.5	965.0	
-324.5	CARBONDALE		ROCK	22.5	967.5	
-347.0	CARBONDALE	SPRINGFIELD	COAL	3.0	990.0	
-350.0	CARBONDALE		ROCK	82.0	993.0	
-432.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1075.0	
-432.0	CARBONDALE		ROCK	83.0	1075.0	
-515.0	CARBONDALE	COLCHESTER	COAL	-	1158.0	

MAPID: 13900006000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 9

FOOT (NS): 865 S FOOT (EW): 1650 E

QUADRANGLE: SULLIVAN LONGITUDE: -88.53413

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.58129

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 620.0 LOGGED (FT.): 1002.0

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	
40.0	BOND	CARTHAGE	LIMESTONE	8.0	580.0	
-85.0	MODESTO	WEST FRANKLIN	LIMESTONE	12.0	705.0	
-232.0	CARBONDALE	DANVILLE	COAL	-	852.0	
-280.0	CARBONDALE	HERRIN	COAL	-	900.0	
-300.0	CARBONDALE	SPRINGFIELD	COAL	5.0	920.0	
-382.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1002.0	

MAPID: 13900006000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 9

FOOT (NS): 865 S FOOT (EW): 1650 E

QUADRANGLE: SULLIVAN LONGITUDE: -88.53413

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.58129

DATE COLLECTED: 0 / 0 / 1939

SURFACE ELEVATION (FT.): 620.0 LOGGED (FT.): 1002.0

LOG TYPE: Electric Log

SOURCE: SEABOARD OIL CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
620.0			UNKNOWN	852.0	0.0	
-232.0	CARBONDALE	DANVILLE	COAL	-	852.0	
-232.0	CARBONDALE		ROCK	48.0	852.0	
-280.0	CARBONDALE	HERRIN	COAL	-	900.0	
-280.0	CARBONDALE		ROCK	20.0	900.0	
-300.0	CARBONDALE	SPRINGFIELD	COAL	5.0	920.0	
-305.0	CARBONDALE		ROCK	77.0	925.0	
-382.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1002.0	

MAPID: 13920516000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 14 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.508033

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.570703

DATE COLLECTED: 0 / 0 / 1960

SURFACE ELEVATION (FT.): 650.0 LOGGED (FT.): 315.0

LOG TYPE: Drillers Log

SOURCE: E. C. BAKER & SONS

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
650.0			UNCONSOLIDATED	93.0	0.0	
557.0			ROCK	221.0	93.0	
336.0			COAL	1.0	314.0	

MAPID: 13900007000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 18 SWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.574514

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.576417

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 960.0

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
56.0	BOND	CARTHAGE	LIMESTONE	8.0	589.0
-84.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	729.0
-215.0	CARBONDALE	DANVILLE	COAL	-	860.0
-295.0	CARBONDALE	HERRIN	COAL	5.0	940.0
-311.0	CARBONDALE	SPRINGFIELD	COAL	4.0	956.0

MAPID: 13900007000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 18 SWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.574514

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.576417

DATE COLLECTED: 0 / 0 / 1938

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 960.0

LOG TYPE: Electric Log

SOURCE: RALPH H. NEELY ET AL.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
645.0			UNKNOWN	860.0	0.0
-215.0	CARBONDALE	DANVILLE	COAL	-	860.0
-215.0	CARBONDALE		ROCK	80.0	860.0
-295.0	CARBONDALE	HERRIN	COAL	5.0	940.0
-300.0	CARBONDALE		ROCK	11.0	945.0
-311.0	CARBONDALE	SPRINGFIELD	COAL	4.0	956.0

MAPID: 13900223000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 25 NWSENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COOKS MILLS LONGITUDE: -88.475173

GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.545121

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 1206.0

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
-70.0	BOND	CARTHAGE	LIMESTONE	9.0	735.0
-196.0	MODESTO	WEST FRANKLIN	LIMESTONE	17.0	861.0
-347.0	CARBONDALE	DANVILLE	COAL	4.0	1012.0
-411.0	CARBONDALE	HERRIN	COAL	3.5	1076.0
-433.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1098.0
-541.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1206.0

MAPID: 13900118000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 28 NENWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.543334

GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.54931

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 631.0 LOGGED (FT.): 1116.0

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
44.0	BOND	CARTHAGE	LIMESTONE	8.0	587.0
-91.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	722.0
-222.0	CARBONDALE	DANVILLE	COAL	2.0	853.0
-282.0	CARBONDALE	HERRIN	COAL	3.5	913.0
-299.0	CARBONDALE	SPRINGFIELD	COAL	2.5	930.0
-381.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1012.0

MAPID: 13900118000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 28 NENWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.543334

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.54931

DATE COLLECTED: 6 / 0 / 1957

SURFACE ELEVATION (FT.): 631.0 LOGGED (FT.): 1116.0

LOG TYPE: Electric Log

SOURCE: NAT'L ASSOC. PETROL. CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
631.0			UNKNOWN	853.0	0.0	
-222.0	CARBONDALE	DANVILLE	COAL	2.0	853.0	
-224.0	CARBONDALE		ROCK	58.0	855.0	
-282.0	CARBONDALE	HERRIN	COAL	3.5	913.0	
-285.5	CARBONDALE		ROCK	13.5	916.5	
-299.0	CARBONDALE	SPRINGFIELD	COAL	2.5	930.0	
-301.5	CARBONDALE		ROCK	79.5	932.5	
-381.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1012.0	
-381.0	CARBONDALE		ROCK	104.0	1012.0	
-485.0	CARBONDALE	COLCHESTER	COAL	-	1116.0	

MAPID: 13900110000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 31 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.574151

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.527261

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 637.0 LOGGED (FT.): 1021.0

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	
32.0	BOND	CARTHAGE	LIMESTONE	8.0	605.0	
-108.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	745.0	
-229.0	CARBONDALE	DANVILLE	COAL	3.5	866.0	
-288.0	CARBONDALE	HERRIN	COAL	3.0	925.0	
-310.0	CARBONDALE	SPRINGFIELD	COAL	3.0	947.0	
-384.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1021.0	

MAPID: 13900110000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 31 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.574151

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.527261

DATE COLLECTED: 12 / 0 / 1956

SURFACE ELEVATION (FT.): 637.0 LOGGED (FT.): 1021.0

LOG TYPE: Electric Log

SOURCE: ELLIS M. HOWARD

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
637.0			UNKNOWN	866.0	0.0	
-229.0	CARBONDALE	DANVILLE	COAL	3.5	866.0	
-232.5	CARBONDALE		ROCK	55.5	869.5	
-288.0	CARBONDALE	HERRIN	COAL	3.0	925.0	
-291.0	CARBONDALE		ROCK	19.0	928.0	
-310.0	CARBONDALE	SPRINGFIELD	COAL	3.0	947.0	
-313.0	CARBONDALE		ROCK	71.0	950.0	
-384.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1021.0	

MAPID: 13920490000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 31 NENESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.566247

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.524088

DATE COLLECTED: 0 / 0 / 1953

SURFACE ELEVATION (FT.): 642.0 LOGGED (FT.): 280.0

LOG TYPE: Drillers Log

SOURCE: E. C. BAKER & SONS

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
642.0			UNCONSOLIDATED	140.0	0.0	
502.0			ROCK	137.0	140.0	
365.0			COAL	1.0	277.0	
364.0			ROCK	2.0	278.0	

MAPID: 13900224000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 33 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.531324

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.52723

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 663.0 LOGGED (FT.): 999.0

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	
21.0	BOND	CARTHAGE	LIMESTONE	9.0	642.0	
-115.0	MODESTO	WEST FRANKLIN	LIMESTONE	12.0	778.0	
-247.0	CARBONDALE	DANVILLE	COAL	3.5	910.0	
-309.0	CARBONDALE	HERRIN	COAL	3.0	972.0	
-333.0	CARBONDALE	SPRINGFIELD	COAL	3.0	996.0	

MAPID: 13900224000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 33 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.531324

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.52723

DATE COLLECTED: 0 / 0 / 1950

SURFACE ELEVATION (FT.): 663.0 LOGGED (FT.): 1050.0

LOG TYPE: Electric Log

SOURCE: PAUL DORAN

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
663.0			UNKNOWN	910.0	0.0	
-247.0	CARBONDALE	DANVILLE	COAL	3.5	910.0	
-250.5	CARBONDALE		ROCK	58.5	913.5	
-309.0	CARBONDALE	HERRIN	COAL	3.0	972.0	
-312.0	CARBONDALE		ROCK	21.0	975.0	
-333.0	CARBONDALE	SPRINGFIELD	COAL	3.0	996.0	
-336.0	CARBONDALE		ROCK	51.0	999.0	
-387.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1050.0	

MAPID: 13900084000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 13N 6E SECTION: 36 SESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COOKS MILLS LONGITUDE: -88.477232

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.521412

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 660.0 LOGGED (FT.): 1234.0

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	
-43.0	BOND	CARTHAGE	LIMESTONE	9.0	703.0	
-173.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	833.0	
-301.0	CARBONDALE	DANVILLE	COAL	2.5	961.0	
-379.0	CARBONDALE	HERRIN	COAL	3.5	1039.0	

MAPID: 13900111000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 4 SESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.757084

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.689867

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 681.0 LOGGED (FT.): 967.0

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	
215.0	BOND	CARTHAGE	LIMESTONE	9.0	466.0	
71.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	610.0	
-46.0	CARBONDALE	DANVILLE	COAL	3.0	727.0	
-119.0	CARBONDALE	SPRINGFIELD	COAL	4.5	800.0	
-195.0	CARBONDALE	HOUCHIN CREEK	COAL	-	876.0	

MAPID: 13900069000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 10 NESESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.747477

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.669492

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 663.0 LOGGED (FT.): 950.0

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	
215.0	BOND	CARTHAGE	LIMESTONE	7.0	448.0	
87.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	576.0	
-32.0	CARBONDALE	DANVILLE	COAL	2.0	695.0	
-126.0	CARBONDALE	HERRIN	COAL	-	789.0	
-146.0	CARBONDALE	SPRINGFIELD	COAL	-	809.0	
-187.0	CARBONDALE	HOUCHIN CREEK	COAL	-	850.0	

MAPID: 13900069000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 10 NESESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.747477

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.669492

DATE COLLECTED: 7 / 0 / 1956

SURFACE ELEVATION (FT.): 663.0 LOGGED (FT.): 950.0

LOG TYPE: Electric Log

SOURCE: NAT'L ASSOC. PETROL. CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
663.0			UNKNOWN	695.0	0.0	
-32.0	CARBONDALE	DANVILLE	COAL	2.0	695.0	
-34.0	CARBONDALE		ROCK	92.0	697.0	
-126.0	CARBONDALE	HERRIN	COAL	-	789.0	
-126.0	CARBONDALE		ROCK	20.0	789.0	
-146.0	CARBONDALE	SPRINGFIELD	COAL	-	809.0	
-146.0	CARBONDALE		ROCK	41.0	809.0	
-187.0	CARBONDALE	HOUCHIN CREEK	COAL	-	850.0	
-187.0	CARBONDALE		ROCK	100.0	850.0	
-287.0	CARBONDALE	COLCHESTER	COAL	-	950.0	

MAPID: 13900227000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 10 SWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.75458

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.675042

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 671.0 LOGGED (FT.): 948.0

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	
216.0	BOND	CARTHAGE	LIMESTONE	10.0	455.0	
84.0	MODESTO	WEST FRANKLIN	LIMESTONE	21.0	587.0	
-33.0	CARBONDALE	DANVILLE	COAL	3.5	704.0	
-114.0	CARBONDALE	HERRIN	COAL	5.0	785.0	
-134.0	CARBONDALE	SPRINGFIELD	COAL	5.0	805.0	
-182.0	CARBONDALE	HOUCHIN CREEK	COAL	-	853.0	

MAPID: 13900062000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 11 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.735721

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.667694

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 664.0 LOGGED (FT.): 946.0

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
211.0	BOND	CARTHAGE	LIMESTONE	8.0	453.0
80.0	MODESTO	WEST FRANKLIN	LIMESTONE	20.0	584.0
-47.0	CARBONDALE	DANVILLE	COAL	3.0	711.0
-88.0	CARBONDALE	HERRIN	COAL	-	752.0
-121.0	CARBONDALE	SPRINGFIELD	COAL	4.5	785.0
-137.0	CARBONDALE	HOUCHIN CREEK	COAL	-	801.0

MAPID: 13900062000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 11 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.735721

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.667694

DATE COLLECTED: 4 / 0 / 1956

SURFACE ELEVATION (FT.): 664.0 LOGGED (FT.): 946.0

LOG TYPE: Electric Log

SOURCE: PERRY FULK

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
664.0			UNKNOWN	711.0	0.0
-47.0	CARBONDALE	DANVILLE	COAL	3.0	711.0
-50.0	CARBONDALE		ROCK	38.0	714.0
-88.0	CARBONDALE	HERRIN	COAL	-	752.0
-88.0	CARBONDALE		ROCK	33.0	752.0
-121.0	CARBONDALE	SPRINGFIELD	COAL	4.5	785.0
-125.5	CARBONDALE		ROCK	11.5	789.5
-137.0	CARBONDALE	HOUCHIN CREEK	COAL	-	801.0
-137.0	CARBONDALE		ROCK	145.0	801.0
-282.0	CARBONDALE	COLCHESTER	COAL	-	946.0

MAPID: 13900173000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 11 NESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.724202

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.676686

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 691.0 LOGGED (FT.): 899.0

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
204.0	BOND	CARTHAGE	LIMESTONE	10.0	487.0
64.0	MODESTO	WEST FRANKLIN	LIMESTONE	20.0	627.0
-69.0	CARBONDALE	DANVILLE	COAL	3.5	760.0
-110.0	CARBONDALE	HERRIN	COAL	-	801.0
-139.0	CARBONDALE	SPRINGFIELD	COAL	5.0	830.0
-208.0	CARBONDALE	HOUCHIN CREEK	COAL	-	899.0

MAPID: 13900173000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 11 NESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.724202

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.676686

DATE COLLECTED: 3 / 31 / 1961

SURFACE ELEVATION (FT.): 691.0 LOGGED (FT.): 1000.0

LOG TYPE: Electric Log

SOURCE: DON DURR

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
691.0			UNKNOWN	760.0	0.0
-69.0	CARBONDALE	DANVILLE	COAL	3.5	760.0
-72.5	CARBONDALE		ROCK	37.5	763.5
-110.0	CARBONDALE	HERRIN	COAL	-	801.0
-110.0	CARBONDALE		ROCK	29.0	801.0
-139.0	CARBONDALE	SPRINGFIELD	COAL	5.0	830.0
-144.0	CARBONDALE		ROCK	64.0	835.0
-208.0	CARBONDALE	HOUCHIN CREEK	COAL	-	899.0
-208.0	CARBONDALE		ROCK	101.0	899.0
-309.0	CARBONDALE	COLCHESTER	COAL	-	1000.0

MAPID: 13900228000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 15 NENWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.742671

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.65844

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 662.0 LOGGED (FT.): 967.0

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
208.0	BOND	CARTHAGE	LIMESTONE	8.0	454.0
62.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	600.0
-50.0	CARBONDALE	DANVILLE	COAL	2.5	712.0
-114.0	CARBONDALE	HERRIN	COAL	4.5	776.0
-142.0	CARBONDALE	SPRINGFIELD	COAL	2.5	804.0
-206.0	CARBONDALE	HOUCHIN CREEK	COAL	-	868.0

MAPID: 13900228000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 15 NENWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.742671

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.65844

DATE COLLECTED: 9 / 0 / 1951

SURFACE ELEVATION (FT.): 662.0 LOGGED (FT.): 967.0

LOG TYPE: Electric Log

SOURCE: E. A. OBERING

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
662.0			UNKNOWN	712.0	0.0
-50.0	CARBONDALE	DANVILLE	COAL	2.5	712.0
-52.5	CARBONDALE		ROCK	61.5	714.5
-114.0	CARBONDALE	HERRIN	COAL	4.5	776.0
-118.5	CARBONDALE		ROCK	23.5	780.5
-142.0	CARBONDALE	SPRINGFIELD	COAL	2.5	804.0
-144.5	CARBONDALE		ROCK	61.5	806.5
-206.0	CARBONDALE	HOUCHIN CREEK	COAL	-	868.0
-206.0	CARBONDALE		ROCK	99.0	868.0
-305.0	CARBONDALE	COLCHESTER	COAL	-	967.0

MAPID: 13900175000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 17 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.782795

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.658973

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 668.0 LOGGED (FT.): 925.0

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
250.0	BOND	CARTHAGE	LIMESTONE	10.0	418.0
118.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	550.0
15.0	CARBONDALE	DANVILLE	COAL	-	653.0
-173.0	CARBONDALE	HOUCHIN CREEK	COAL	-	841.0

MAPID: 13900229000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 18 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.804013

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.65917

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 680.0 LOGGED (FT.): 945.0

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
236.0	BOND	CARTHAGE	LIMESTONE	9.0	444.0
87.0	MODESTO	WEST FRANKLIN	LIMESTONE	31.0	593.0
-15.0	CARBONDALE	DANVILLE	COAL	2.0	695.0
-102.0	CARBONDALE	SPRINGFIELD	COAL	4.0	782.0
-168.0	CARBONDALE	HOUCHIN CREEK	COAL	-	848.0

MAPID: 13900230000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 20 SWSESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.777589

GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 39.638799

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 653.0 LOGGED (FT.): 950.0

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
239.0	BOND	CARTHAGE	LIMESTONE	9.0	414.0
101.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	552.0
-19.0	CARBONDALE	DANVILLE	COAL	2.0	672.0

MAPID: 13900058000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 21 NENWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.761325

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.644006

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 664.0 LOGGED (FT.): 971.0

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
226.0	BOND	CARTHAGE	LIMESTONE	9.0	438.0
83.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	581.0
-33.0	CARBONDALE	DANVILLE	COAL	2.0	697.0
-209.0	CARBONDALE	HOUCHIN CREEK	COAL	-	873.0

MAPID: 13900152000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 22 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.754476

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.651184

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 658.0 LOGGED (FT.): 960.0

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
232.0	BOND	CARTHAGE	LIMESTONE	8.0	426.0
101.0	MODESTO	WEST FRANKLIN	LIMESTONE	17.0	557.0
-12.0	CARBONDALE	DANVILLE	COAL	-	670.0
-206.0	CARBONDALE	HOUCHIN CREEK	COAL	-	864.0

MAPID: 13900133000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 23 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.735502

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.65099

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 653.0 LOGGED (FT.): 989.0

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
200.0	BOND	CARTHAGE	LIMESTONE	7.0	453.0
47.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	606.0
-68.0	CARBONDALE	DANVILLE	COAL	-	721.0
-149.0	CARBONDALE	HERRIN	COAL	4.0	802.0
-175.0	CARBONDALE	SPRINGFIELD	COAL	2.5	828.0
-244.0	CARBONDALE	HOUCHIN CREEK	COAL	-	897.0

MAPID: 13900133000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 23 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.735502

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.65099

DATE COLLECTED: 6 / 0 / 1958

SURFACE ELEVATION (FT.): 653.0 LOGGED (FT.): 989.0

LOG TYPE: Electric Log

SOURCE: E. A. OBERING

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
653.0			UNKNOWN	721.0	0.0
-68.0	CARBONDALE	DANVILLE	COAL	-	721.0
-68.0	CARBONDALE		ROCK	81.0	721.0
-149.0	CARBONDALE	HERRIN	COAL	4.0	802.0
-153.0	CARBONDALE		ROCK	22.0	806.0
-175.0	CARBONDALE	SPRINGFIELD	COAL	2.5	828.0
-177.5	CARBONDALE		ROCK	66.5	830.5
-244.0	CARBONDALE	HOUCHIN CREEK	COAL	-	897.0
-244.0	CARBONDALE		ROCK	92.0	897.0
-336.0	CARBONDALE	COLCHESTER	COAL	-	989.0

MAPID: 13900297000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 27 SESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KIRKSVILLE LONGITUDE: -88.74216

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.624065

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 653.0 LOGGED (FT.): 636.0

LOG TYPE: Multiple log types

SOURCE: PHILLIPS PETROL. CO.

WELL TYPE: Engineering Test Holes

COMMENT: 4,1

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
653.0			UNCONSOLIDATED	90.0	0.0
563.0			ROCK	152.0	90.0
411.0			COAL	3.0	242.0
408.0			ROCK	1.0	245.0
407.0			ROCK	0.0	246.0

MAPID: 13900264000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 30 NW/NENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.806018

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.637309

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 669.0 LOGGED (FT.): 958.0

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
229.0	BOND	CARTHAGE	LIMESTONE	9.0	440.0
91.0	MODESTO	WEST FRANKLIN	LIMESTONE	17.0	578.0
-1.0	CARBONDALE	DANVILLE	COAL	-	670.0
-187.0	CARBONDALE	HOUCHIN CREEK	COAL	-	856.0

MAPID: 13900004000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 31 NE

FOOT (NS): 660 N FOOT (EW): 330 W

QUADRANGLE: FINDLAY LONGITUDE: -88.800264

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.621859

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 675.0 LOGGED (FT.): 948.0

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
260.0	BOND	CARTHAGE	LIMESTONE	9.0	415.0
125.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	550.0
14.0	CARBONDALE	DANVILLE	COAL	2.0	661.0
-165.0	CARBONDALE	HOUCHIN CREEK	COAL	-	840.0

MAPID: 13900265000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 4E SECTION: 32 SWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: FINDLAY LONGITUDE: -88.791796

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.617375

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 673.0 LOGGED (FT.): 942.0

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
263.0	BOND	CARTHAGE	LIMESTONE	7.0	410.0
123.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	550.0
-3.0	CARBONDALE	DANVILLE	COAL	2.0	676.0

MAPID: 13900177000C **VERSION:** 1
COUNTY: MOULTRIE **TWP/RNG:** 14N 5E **SECTION:** 1 NWSW
QUADRANGLE: CADWELL **LONGITUDE:** -88.603142
CONFIDENTIAL: N **LATITUDE:** 39.686308
SURFACE ELEVATION (FT.): 677.0 **LOGGED (FT.):** 1097.0
SOURCE:
COMMENT: GOOD LOG

PROJECT: CGT-ECILL

FOOT (NS): 660 S **FOOT (EW):** 660 W
GEOLOGIST: C TREWORGY
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Electric Log
WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
126.0	BOND	CARTHAGE	LIMESTONE	7.0	551.0
-9.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	686.0
-123.0	CARBONDALE	DANVILLE	COAL	-	800.0

MAPID: 13900177000C **VERSION:** 2
COUNTY: MOULTRIE **TWP/RNG:** 14N 5E **SECTION:** 1 NWSW
QUADRANGLE: CADWELL **LONGITUDE:** -88.603142
CONFIDENTIAL: N **LATITUDE:** 39.686308
SURFACE ELEVATION (FT.): 677.0 **LOGGED (FT.):** 1097.0
SOURCE: M. H. RICHARDSON & DON DURR
COMMENT: CORRELATIONS BY C. TREWORGY

PROJECT: BLM

FOOT (NS): 660 S **FOOT (EW):** 660 W
GEOLOGIST: TREWORGY,J
DATE COLLECTED: 9 / 0 / 1962
LOG TYPE: Electric Log
WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
677.0			UNKNOWN	800.0	0.0
-123.0	CARBONDALE	DANVILLE	COAL	-	800.0
-123.0	CARBONDALE		ROCK	297.0	800.0
-420.0	CARBONDALE	COLCHESTER	COAL	-	1097.0

MAPID: 13900170000C **VERSION:** 1
COUNTY: MOULTRIE **TWP/RNG:** 14N 5E **SECTION:** 3 SWNW
QUADRANGLE: LOVINGTON **LONGITUDE:** -88.639916
CONFIDENTIAL: N **LATITUDE:** 39.690638
SURFACE ELEVATION (FT.): 645.0 **LOGGED (FT.):** 1048.0
SOURCE:
COMMENT: GOOD LOG

PROJECT: CGT-ECILL

FOOT (NS): 330 N **FOOT (EW):** 990 W
GEOLOGIST: C TREWORGY
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Electric Log
WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
107.0	BOND	CARTHAGE	LIMESTONE	5.0	538.0
-9.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	654.0
-131.0	CARBONDALE	DANVILLE	COAL	2.5	776.0
-312.0	CARBONDALE	HOUCHIN CREEK	COAL	-	957.0

MAPID: 13900170000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 3 SWNW

FOOT (NS): 330 N FOOT (EW): 990 W

QUADRANGLE: LOVINGTON LONGITUDE: -88.639916

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.690638

DATE COLLECTED: 6 / 0 / 1961

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 1048.0

LOG TYPE: Electric Log

SOURCE: HAROLD C. SANDERS

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
645.0			UNKNOWN	776.0	0.0	
-131.0	CARBONDALE	DANVILLE	COAL	2.5	776.0	
-133.5	CARBONDALE		ROCK	178.5	778.5	
-312.0	CARBONDALE	HOUCHIN CREEK	COAL	-	957.0	
-312.0	CARBONDALE		ROCK	91.0	957.0	
-403.0	CARBONDALE	COLCHESTER	COAL	-	1048.0	

MAPID: 13900120000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 4 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.661061

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.690683

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 648.0 LOGGED (FT.): 1025.0

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	
133.0	BOND	CARTHAGE	LIMESTONE	8.0	515.0	
-11.0	MODESTO	WEST FRANKLIN	LIMESTONE	19.0	659.0	
-148.0	CARBONDALE	DANVILLE	COAL	2.5	796.0	
-175.0	CARBONDALE	HERRIN	COAL	-	823.0	
-207.0	CARBONDALE	SPRINGFIELD	COAL	3.0	855.0	
-277.0	CARBONDALE	HOUCHIN CREEK	COAL	-	925.0	

MAPID: 13900120000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 4 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.661061

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.690683

DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 648.0 LOGGED (FT.): 1025.0

LOG TYPE: Electric Log

SOURCE: HAROLD C. SANDERS

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
648.0			UNKNOWN	796.0	0.0	
-148.0	CARBONDALE	DANVILLE	COAL	2.5	796.0	
-150.5	CARBONDALE		ROCK	24.5	798.5	
-175.0	CARBONDALE	HERRIN	COAL	-	823.0	
-175.0	CARBONDALE		ROCK	32.0	823.0	
-207.0	CARBONDALE	SPRINGFIELD	COAL	3.0	855.0	
-210.0	CARBONDALE		ROCK	67.0	858.0	
-277.0	CARBONDALE	HOUCHIN CREEK	COAL	-	925.0	
-277.0	CARBONDALE		ROCK	100.0	925.0	
-377.0	CARBONDALE	COLCHESTER	COAL	-	1025.0	

MAPID: 13900120000C VERSION: 3

PROJECT: IBC XSECT

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 4 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.661061

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.690683

DATE COLLECTED: 9 / 0 / 1957

SURFACE ELEVATION (FT.): 648.0 LOGGED (FT.): 1027.0

LOG TYPE: Lithologic 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	
-175.0	CARBONDALE	HERRIN	COAL	-	823.0	
-379.0	CARBONDALE	COLCHESTER	COAL	-	1027.0	

MAPID: 13920553000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 4

FOOT (NS): 2112 N FOOT (EW): 105 W

QUADRANGLE: LOVINGTON LONGITUDE: -88.661873

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.689342

DATE COLLECTED: 5 / 14 / 1979

SURFACE ELEVATION (FT.): 636.0 LOGGED (FT.): 870.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. MI-79-4-5

WELL TYPE: Coal Test

COMMENT: RESISTINTY AND DENSITY LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
636.0			UNCONSOLIDATED	88.0	0.0
548.0	MATTOON		SANDSTONE/SHALE	2.0	88.0
546.0	MATTOON		SANDSTONE	40.0	90.0
506.0	MATTOON		GRAY SHALE	10.0	130.0
496.0	MATTOON		SANDSTONE	8.0	140.0
488.0	MATTOON		GRAY SHALE	10.0	148.0
478.0	MATTOON		SANDSTONE	6.0	158.0
472.0	MATTOON		GREEN SHALE	15.0	164.0
457.0	MATTOON		COAL	2.0	179.0
455.0	MATTOON		GRAY SHALE	44.0	181.0
411.0	MATTOON		COAL	1.5	225.0
409.5	MATTOON		SANDSTONE	31.5	226.5
378.0	MATTOON		GRAY SHALE	27.0	258.0
351.0	BOND	MILLERSVILLE	LIMESTONE	5.0	285.0
346.0	BOND	MILLERSVILLE	GRAY SHALE	10.0	290.0
336.0	BOND	MILLERSVILLE	LIMESTONE	25.0	300.0
311.0	BOND		SHALE	107.0	325.0
204.0	BOND		BLACK SHALE	1.5	432.0
202.5	BOND		COAL	0.5	433.5
202.0	BOND		SHALE	16.0	434.0
186.0	BOND		SHALY SANDSTONE	34.0	450.0
152.0	BOND		GRAY SHALE	22.8	484.0
129.2	BOND	CARTHAGE	LIMESTONE	7.4	506.8
121.8	MODESTO		GRAY SHALE	18.8	514.2
103.0	MODESTO		LIMESTONE	2.0	533.0
101.0	MODESTO		GRAY SHALE	27.0	535.0
74.0	MODESTO		BLACK SHALE	2.0	562.0
72.0	MODESTO		COAL	2.0	564.0
70.0	MODESTO		GRAY SHALE	70.0	566.0
0.0	MODESTO		COAL	1.0	636.0
-1.0	MODESTO		GRAY SHALE	11.7	637.0
-12.7	MODESTO	WEST FRANKLIN	LIMESTONE	5.3	648.7
-18.0	MODESTO	WEST FRANKLIN	GRAY SHALE	3.5	654.0
-21.5	MODESTO	WEST FRANKLIN	LIMESTONE	9.3	657.5
-30.8	MODESTO		GRAY SHALE	117.2	666.8
-148.0	CARBONDALE	DANVILLE	COAL	3.2	784.0
-151.2	CARBONDALE		GRAY SHALE	25.8	787.2
-177.0	CARBONDALE	HERRIN	COAL	3.4	813.0
-180.4	CARBONDALE		GRAY SHALE	27.6	816.4

-208.0	CARBONDALE	ST. DAVID	LIMESTONE	0.5	844.0
-208.5	CARBONDALE	TURNER MINE	BLACK SHALE	2.0	844.5
-210.5	CARBONDALE	SPRINGFIELD	COAL	2.3	846.5
-212.8	CARBONDALE		LIMESTONE	5.0	848.8
-217.8	CARBONDALE		GRAY SHALE	16.2	853.8

MAPID: 13900266000C **VERSION:** 1 **PROJECT:** CGT-ECILL
COUNTY: MOULTRIE **TWP/RNG:** 14N 5E **SECTION:** 5 **SENWSE** **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LOVINGTON **LONGITUDE:** -88.668095 **GEOLOGIST:** C TREWORYG
CONFIDENTIAL: N **LATITUDE:** 39.685284 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 660.0 **LOGGED (FT.):** 1025.0 **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
144.0	BOND	CARTHAGE	LIMESTONE	8.0	516.0
3.0	MODESTO	WEST FRANKLIN	LIMESTONE	20.0	657.0
-134.0	CARBONDALE	DANVILLE	COAL	3.5	794.0
-189.0	CARBONDALE	SPRINGFIELD	COAL	4.0	849.0
-260.0	CARBONDALE	HOUCHIN CREEK	COAL	-	920.0

MAPID: 13900266000C **VERSION:** 2 **PROJECT:** BLM
COUNTY: MOULTRIE **TWP/RNG:** 14N 5E **SECTION:** 5 **SENWSE** **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LOVINGTON **LONGITUDE:** -88.668095 **GEOLOGIST:** TREWORYG,J
CONFIDENTIAL: N **LATITUDE:** 39.685284 **DATE COLLECTED:** 2 / 0 / 1950
SURFACE ELEVATION (FT.): 660.0 **LOGGED (FT.):** 1025.0 **LOG TYPE:** Electric Log
SOURCE: H. C. SANDERS **WELL TYPE:** Oil and Gas Test
COMMENT: CORRELATIONS BY C. TREWORYG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
660.0			UNKNOWN	794.0	0.0
-134.0	CARBONDALE	DANVILLE	COAL	3.5	794.0
-137.5	CARBONDALE		ROCK	51.5	797.5
-189.0	CARBONDALE	SPRINGFIELD	COAL	4.0	849.0
-193.0	CARBONDALE		ROCK	67.0	853.0
-260.0	CARBONDALE	HOUCHIN CREEK	COAL	-	920.0
-260.0	CARBONDALE		ROCK	105.0	920.0
-365.0	CARBONDALE	COLCHESTER	COAL	-	1025.0

MAPID: 13900268000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 27 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.641441

GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.629032

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 692.0 LOGGED (FT.): 1092.0

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
119.0	BOND	CARTHAGE	LIMESTONE	7.0	573.0
-28.0	MODESTO	WEST FRANKLIN	LIMESTONE	11.0	720.0
-175.0	CARBONDALE	DANVILLE	COAL	3.5	867.0
-195.0	CARBONDALE	HERRIN	COAL	2.5	887.0
-224.0	CARBONDALE	SPRINGFIELD	COAL	4.0	916.0
-298.0	CARBONDALE	HOUCHIN CREEK	COAL	-	990.0

MAPID: 13900268000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 27 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.641441

GEOLOGIST: TREWORY,J

CONFIDENTIAL: N LATITUDE: 39.629032

DATE COLLECTED: 6 / 0 / 1945

SURFACE ELEVATION (FT.): 692.0 LOGGED (FT.): 1092.0

LOG TYPE: Electric Log

SOURCE: H. M. WILLIAMS

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
692.0			UNKNOWN	867.0	0.0
-175.0	CARBONDALE	DANVILLE	COAL	3.5	867.0
-178.5	CARBONDALE		ROCK	16.5	870.5
-195.0	CARBONDALE	HERRIN	COAL	2.5	887.0
-197.5	CARBONDALE		ROCK	26.5	889.5
-224.0	CARBONDALE	SPRINGFIELD	COAL	4.0	916.0
-228.0	CARBONDALE		ROCK	70.0	920.0
-298.0	CARBONDALE	HOUCHIN CREEK	COAL	-	990.0
-298.0	CARBONDALE		ROCK	102.0	990.0
-400.0	CARBONDALE	COLCHESTER	COAL	-	1092.0

MAPID: 13900114000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 35 NENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.615427

GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.621756

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 1100.0

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
97.0	BOND	CARTHAGE	LIMESTONE	9.0	575.0
-48.0	MODESTO	WEST FRANKLIN	LIMESTONE	16.0	720.0
-198.0	CARBONDALE	DANVILLE	COAL	3.0	870.0
-221.0	CARBONDALE	HERRIN	COAL	2.5	893.0
-256.0	CARBONDALE	SPRINGFIELD	COAL	2.0	928.0
-323.0	CARBONDALE	HOUCHIN CREEK	COAL	-	995.0

MAPID: 13900114000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 35 NENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.615427

GEOLOGIST: TREWORY,J

CONFIDENTIAL: N LATITUDE: 39.621756

DATE COLLECTED: 6 / 0 / 1957

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 1100.0

LOG TYPE: Electric Log

SOURCE: RYAN OIL CO

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
672.0			UNKNOWN	870.0	0.0
-198.0	CARBONDALE	DANVILLE	COAL	3.0	870.0
-201.0	CARBONDALE		ROCK	20.0	873.0
-221.0	CARBONDALE	HERRIN	COAL	2.5	893.0
-223.5	CARBONDALE		ROCK	32.5	895.5
-256.0	CARBONDALE	SPRINGFIELD	COAL	2.0	928.0
-258.0	CARBONDALE		ROCK	65.0	930.0
-323.0	CARBONDALE	HOUCHIN CREEK	COAL	-	995.0
-323.0	CARBONDALE		ROCK	105.0	995.0
-428.0	CARBONDALE	COLCHESTER	COAL	-	1100.0

MAPID: 13900114000C VERSION: 3

PROJECT: IBC XSECT

COUNTY: MOULTRIE TWP/RNG: 14N 5E SECTION: 35 NENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.615427

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.621756

DATE COLLECTED: 6 / 0 / 1957

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 1100.0

LOG TYPE: Induction Log

SOURCE:

WELL TYPE: Producer-Oil

COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-222.0	CARBONDALE	HERRIN	COAL	-	894.0	
-428.0	CARBONDALE	COLCHESTER	COAL	-	1100.0	

MAPID: 13900129000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 1 SESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ARTHUR LONGITUDE: -88.478639

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.681835

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 662.0 LOGGED (FT.): 1174.0

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	BOND	CARTHAGE	LIMESTONE	9.0	635.0	
-94.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	756.0	
-243.0	CARBONDALE	DANVILLE	COAL	2.0	905.0	

MAPID: 13900269000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 2 SE

FOOT (NS): 1346 N FOOT (EW): 332 E

QUADRANGLE: ARTHUR LONGITUDE: -88.492634

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.684526

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 667.0 LOGGED (FT.): 1167.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: COAL@100481022, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
47.0	BOND	CARTHAGE	LIMESTONE	9.0	620.0	
-71.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	738.0	
-211.0	CARBONDALE	DANVILLE	COAL	3.0	878.0	

MAPID: 13920569000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 5

FOOT (NS): 370 N FOOT (EW): 48 W

QUADRANGLE: CADWELL LONGITUDE: -88.566593

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.69437

DATE COLLECTED: 5 / 7 / 1980

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 970.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP MI-80-5-7

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
672.0			UNCONSOLIDATED	118.0	0.0
554.0	MATTOON		DARK SHALE	12.0	118.0
542.0	MATTOON		GRAY SHALE	11.0	130.0
531.0	MATTOON		LIMESTONE	1.0	141.0
530.0	MATTOON		GRAY SHALE	10.0	142.0
520.0	MATTOON		COAL	1.0	152.0
519.0	MATTOON		GRAY SHALE	39.0	153.0
480.0	MATTOON		SANDSTONE	3.5	192.0
476.5	MATTOON		LIMESTONE	1.0	195.5
475.5	MATTOON		LIMESTONE AND SAND	1.5	196.5
474.0	MATTOON		DARK SHALE	1.0	198.0
473.0	MATTOON		LIMESTONE	2.0	199.0
471.0	MATTOON		GRAY SHALE	1.0	201.0
470.0	MATTOON		LIMESTONE	1.0	202.0
469.0	MATTOON		BLACK SHALE	17.0	203.0
452.0	MATTOON		LIMESTONE	1.0	220.0
451.0	MATTOON		SHALE	10.0	221.0
441.0	MATTOON		LIMESTONE	1.5	231.0
439.5	MATTOON		GRAY SHALE	0.5	232.5
439.0	MATTOON		LIMESTONE	2.0	233.0
437.0	MATTOON		GRAY SHALE	3.2	235.0
433.8	MATTOON		LIMESTONE	4.8	238.2
429.0	MATTOON		SANDSTONE	51.0	243.0
378.0	MATTOON		GRAY SHALE	11.0	294.0
367.0	MATTOON		SANDSTONE	6.0	305.0
361.0	MATTOON		LIMESTONE	3.5	311.0
357.5	MATTOON		BLACK SHALE	2.5	314.5
355.0	MATTOON		COAL	1.0	317.0
354.0	MATTOON		SHALE	44.0	318.0
310.0	MATTOON		COAL	1.0	362.0
309.0	MATTOON		GRAY SHALE	16.0	363.0
293.0	MATTOON		LIMESTONE	0.5	379.0
292.5	MATTOON		SANDSTONE	4.5	379.5
288.0	MATTOON		LIMESTONE	2.0	384.0
286.0	MATTOON		SANDSTONE	4.0	386.0
282.0	MATTOON		GRAY SHALE	21.0	390.0
261.0	MATTOON		COAL	1.0	411.0
260.0	MATTOON		GRAY SHALE	6.0	412.0
254.0	BOND	MILLERSVILLE	LIMESTONE	4.0	418.0

250.0	BOND	MILLERSVILLE	GRAY SHALE	8.0	422.0
242.0	BOND	MILLERSVILLE	LIMESTONE	26.0	430.0
216.0	BOND		GRAY SHALE	27.0	456.0
189.0	BOND		BLACK SHALE & CLAY	1.0	483.0
188.0	BOND		GRAY SHALE	5.0	484.0
183.0	BOND		SANDSTONE	9.0	489.0
174.0	BOND		SHALE	10.0	498.0
164.0	BOND		SANDSTONE	6.0	508.0
158.0	BOND		GRAY SHALE	12.0	514.0
146.0	BOND		BLACK SHALE	2.0	526.0
144.0	BOND		LIMESTONE	5.0	528.0
139.0	BOND		SHALE	26.0	533.0
113.0	BOND		COAL	0.5	559.0
112.5	BOND		GRAY SHALE	42.5	559.5
70.0	BOND		BLACK SHALE	2.0	602.0
68.0	BOND		SHALE	20.5	604.0
47.5	BOND	CARTHAGE	LIMESTONE	8.0	624.5
39.5	MODESTO		GRAY SHALE	18.5	632.5
21.0	MODESTO		LIMESTONE	1.0	651.0
20.0	MODESTO		GRAY SHALE	10.0	652.0
10.0	MODESTO		LIMESTONE	2.5	662.0
7.5	MODESTO		GRAY SHALE	13.5	664.5
-6.0	MODESTO		COAL	1.0	678.0
-7.0	MODESTO		GRAY SHALE	18.0	679.0
-25.0	MODESTO		SANDSTONE	5.0	697.0
-30.0	MODESTO		GRAY SHALE	45.0	702.0
-75.0	MODESTO	CHAPEL	COAL	1.0	747.0
-76.0	MODESTO		GRAY SHALE	6.0	748.0
-82.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.9	754.0
-88.9	MODESTO	WEST FRANKLIN	GRAY SHALE	3.1	760.9
-92.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.7	764.0
-101.7	MODESTO		SHALE	132.3	773.7
-234.0	CARBONDALE	DANVILLE	COAL	3.0	906.0
-237.0	CARBONDALE		GRAY SHALE	1.7	909.0
-238.7	CARBONDALE	DANVILLE SUMP	COAL	0.8	910.7
-239.5	CARBONDALE		GRAY SHALE	2.5	911.5
-242.0	CARBONDALE		LIMESTONE	1.5	914.0
-243.5	CARBONDALE		GRAY SHALE	6.5	915.5
-250.0	CARBONDALE		CLAYSTONE & SHALE	3.7	922.0
-253.7	CARBONDALE	HERRIN	COAL	1.3	925.7
-255.0	CARBONDALE	HERRIN	SHALE	0.5	927.0
-255.5	CARBONDALE	HERRIN	COAL	0.8	927.5
-256.3	CARBONDALE		GRAY SHALE	41.7	928.3

MAPID: 13900081000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 13 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ARTHUR LONGITUDE: -88.476015

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.665266

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 678.0 LOGGED (FT.): 1139.0

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
62.0	BOND	CARTHAGE	LIMESTONE	6.0	616.0
-49.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	727.0
-189.0	CARBONDALE	DANVILLE	COAL	3.0	867.0

MAPID: 13900142000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 13 SWSESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ARTHUR LONGITUDE: -88.485322

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.65245

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 1140.0

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
42.0	BOND	CARTHAGE	LIMESTONE	9.0	623.0
-78.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	743.0
-222.0	CARBONDALE	DANVILLE	COAL	2.0	887.0

MAPID: 13900140000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 14 NENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ARTHUR LONGITUDE: -88.4925

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.665194

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 674.0 LOGGED (FT.): 1142.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: #5 OR #6? @ 94, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
65.0	BOND	CARTHAGE	LIMESTONE	8.0	609.0
-59.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	733.0
-193.0	CARBONDALE	DANVILLE	COAL	3.0	867.0
-266.0	CARBONDALE	HERRIN	COAL	3.5	940.0

MAPID: 13900064000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 16 SWSESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.541621

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.652335

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 697.0 LOGGED (FT.): 1100.0

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
117.0	BOND	CARTHAGE	LIMESTONE	7.0	580.0
2.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	695.0
-123.0	CARBONDALE	DANVILLE	COAL	-	820.0

MAPID: 13900064000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 16 SWSESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.541621

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.652335

DATE COLLECTED: 5 / 0 / 1956

SURFACE ELEVATION (FT.): 697.0 LOGGED (FT.): 1100.0

LOG TYPE: Electric Log

SOURCE: M. & E. DRLG. CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
697.0			UNKNOWN	820.0	0.0
-123.0	CARBONDALE	DANVILLE	COAL	-	820.0
-123.0	CARBONDALE		ROCK	280.0	820.0
-403.0	CARBONDALE	COLCHESTER	COAL	-	1100.0

MAPID: 13920609000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 26 SWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SULLIVAN LONGITUDE: -88.50728

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.624173

DATE COLLECTED: 0 / 0 / 1949

SURFACE ELEVATION (FT.): 652.0 LOGGED (FT.): 101.0

LOG TYPE: Drillers Log

SOURCE: E. C. BAKER & SONS

WELL TYPE: Water Well

COMMENT: OR SE SE SEC. 27

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
652.0			UNCONSOLIDATED	90.0	0.0
562.0			ROCK	3.0	90.0
559.0			COAL	2.0	93.0
557.0			ROCK	6.0	95.0

MAPID: 13900066000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 27 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.527231

GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.632359

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 657.0 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.)	
				UNIT	OVERBURDEN COMMENT
24.0	BOND	CARTHAGE	LIMESTONE	7.0	633.0
-80.0	MODESTO	WEST FRANKLIN	LIMESTONE	11.0	737.0
-209.0	CARBONDALE	DANVILLE	COAL	-	866.0
-275.0	CARBONDALE	HERRIN	COAL	-	932.0
-299.0	CARBONDALE	SPRINGFIELD	COAL	5.0	956.0
-378.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1035.0

MAPID: 13900066000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 27 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.527231

GEOLOGIST: TREWORY,J

CONFIDENTIAL: N LATITUDE: 39.632359

DATE COLLECTED: 7 / 0 / 1956

SURFACE ELEVATION (FT.): 657.0 LOGGED (FT.): 1121.0

LOG TYPE: Electric Log

SOURCE: REE, INC.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
657.0			UNKNOWN	866.0	0.0
-209.0	CARBONDALE	DANVILLE	COAL	-	866.0
-209.0	CARBONDALE		ROCK	66.0	866.0
-275.0	CARBONDALE	HERRIN	COAL	-	932.0
-275.0	CARBONDALE		ROCK	24.0	932.0
-299.0	CARBONDALE	SPRINGFIELD	COAL	5.0	956.0
-304.0	CARBONDALE		ROCK	74.0	961.0
-378.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1035.0
-378.0	CARBONDALE		ROCK	86.0	1035.0
-464.0	CARBONDALE	COLCHESTER	COAL	-	1121.0

MAPID: 13900109000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 27 NWSESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.513146

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.625105

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 657.0 LOGGED (FT.): 1134.0

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
37.0	BOND	CARTHAGE	LIMESTONE	8.0	620.0
-89.0	MODESTO	WEST FRANKLIN	LIMESTONE	11.0	746.0
-219.0	CARBONDALE	DANVILLE	COAL	2.0	876.0
-293.0	CARBONDALE	HERRIN	COAL	-	950.0
-323.0	CARBONDALE	SPRINGFIELD	COAL	5.0	980.0

MAPID: 13900109000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 27 NWSESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.513146

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.625105

DATE COLLECTED: 11 / 0 / 1956

SURFACE ELEVATION (FT.): 657.0 LOGGED (FT.): 1134.0

LOG TYPE: Electric Log

SOURCE: PAUL G. WAITE

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
657.0			UNKNOWN	876.0	0.0
-219.0	CARBONDALE	DANVILLE	COAL	2.0	876.0
-221.0	CARBONDALE		ROCK	72.0	878.0
-293.0	CARBONDALE	HERRIN	COAL	-	950.0
-293.0	CARBONDALE		ROCK	30.0	950.0
-323.0	CARBONDALE	SPRINGFIELD	COAL	5.0	980.0
-328.0	CARBONDALE		ROCK	149.0	985.0
-477.0	CARBONDALE	COLCHESTER	COAL	-	1134.0

MAPID: 13900144000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 28 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.546162

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.626899

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 649.0 LOGGED (FT.): 935.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: #5 OR #6? @932, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
69.0	BOND	CARTHAGE	LIMESTONE	7.0	580.0
-63.0	MODESTO	WEST FRANKLIN	LIMESTONE	11.0	712.0
-212.0	CARBONDALE	DANVILLE	COAL	2.5	861.0
-283.0	CARBONDALE	SPRINGFIELD	COAL	3.5	932.0

MAPID: 13900144000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 28 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.546162

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.626899

DATE COLLECTED: 1 / 0 / 1959

SURFACE ELEVATION (FT.): 649.0 LOGGED (FT.): 935.5

LOG TYPE: Electric Log

SOURCE: ROMAN MILLER

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
649.0			UNKNOWN	861.0	0.0
-212.0	CARBONDALE	DANVILLE	COAL	2.5	861.0
-214.5	CARBONDALE		ROCK	68.5	863.5
-283.0	CARBONDALE	SPRINGFIELD	COAL	3.5	932.0

MAPID: 13900065000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 30 NWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.574895

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.632363

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 658.0 LOGGED (FT.): 1108.0

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
78.0	BOND	CARTHAGE	LIMESTONE	8.0	580.0
-61.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	719.0
-225.0	CARBONDALE	DANVILLE	COAL	3.5	883.0
-265.0	CARBONDALE	HERRIN	COAL	5.0	923.0
-284.0	CARBONDALE	SPRINGFIELD	COAL	3.0	942.0

MAPID: 13900065000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 14N 6E SECTION: 30 NWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.574895

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.632363

DATE COLLECTED: 6 / 0 / 1956

SURFACE ELEVATION (FT.): 658.0 LOGGED (FT.): 1108.0

LOG TYPE: Electric Log

SOURCE: REE, INC.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
658.0			UNKNOWN	883.0	0.0	
-225.0	CARBONDALE	DANVILLE	COAL	3.5	883.0	
-228.5	CARBONDALE		ROCK	36.5	886.5	
-265.0	CARBONDALE	HERRIN	COAL	5.0	923.0	
-270.0	CARBONDALE		ROCK	14.0	928.0	
-284.0	CARBONDALE	SPRINGFIELD	COAL	3.0	942.0	
-287.0	CARBONDALE		ROCK	55.0	945.0	
-342.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1000.0	
-342.0	CARBONDALE		ROCK	108.0	1000.0	
-450.0	CARBONDALE	COLCHESTER	COAL	-	1108.0	

MAPID: 13900143000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 4E SECTION: 22 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.755816

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.726219

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 711.0 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	
171.0	BOND	CARTHAGE	LIMESTONE	8.0	540.0	
4.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	707.0	
-81.0	CARBONDALE	DANVILLE	COAL	3.0	792.0	
-142.0	CARBONDALE	SPRINGFIELD	COAL	4.0	853.0	
-216.0	CARBONDALE	HOUCHIN CREEK	COAL	-	927.0	

MAPID: 13900189000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 4E SECTION: 31 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.810988

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.710745

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 691.0 LOGGED (FT.): 840.0

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
221.0	BOND	CARTHAGE	LIMESTONE	9.0	470.0
43.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	648.0
-23.0	CARBONDALE	DANVILLE	COAL	3.5	714.0
-59.0	CARBONDALE	HERRIN	COAL	-	750.0
-85.0	CARBONDALE	SPRINGFIELD	COAL	2.0	776.0
-149.0	CARBONDALE	HOUCHIN CREEK	COAL	-	840.0

MAPID: 13900141000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 4E SECTION: 32 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: DALTON CITY LONGITUDE: -88.779482

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.703032

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 662.0 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.)	
				UNIT	OVERBURDEN COMMENT
192.0	BOND	CARTHAGE	LIMESTONE	8.0	470.0
52.0	MODESTO	WEST FRANKLIN	LIMESTONE	24.0	610.0
-70.0	CARBONDALE	DANVILLE	COAL	2.0	732.0
-139.0	CARBONDALE	SPRINGFIELD	COAL	3.5	801.0
-208.0	CARBONDALE	HOUCHIN CREEK	COAL	-	870.0

MAPID: 13900272000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 4E SECTION: 32 SESE

FOOT (NS): 360 S FOOT (EW): 370 W

QUADRANGLE: DALTON CITY LONGITUDE: -88.779324

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.697554

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 656.0 LOGGED (FT.): 860.0

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
202.0	BOND	CARTHAGE	LIMESTONE	9.0	454.0
69.0	MODESTO	WEST FRANKLIN	LIMESTONE	21.0	587.0
-61.0	CARBONDALE	DANVILLE	COAL	2.0	717.0
-97.0	CARBONDALE	HERRIN	COAL	2.5	753.0
-129.0	CARBONDALE	SPRINGFIELD	COAL	4.5	785.0
-204.0	CARBONDALE	HOUCHIN CREEK	COAL	-	860.0

MAPID: 13900135000C VERSION: 1

PROJECT: IBC XSECT

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 5 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LA PLACE LONGITUDE: -88.681195

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.776095

DATE COLLECTED: 6 / 0 / 1958

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 1012.0

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.)	
				UNIT	OVERBURDEN COMMENT
-121.0	CARBONDALE	HERRIN	COAL	-	786.0
-347.0	CARBONDALE	COLCHESTER	COAL	-	1012.0

MAPID: 13900135000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 5 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LA PLACE LONGITUDE: -88.681195

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.776095

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 1010.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GY SH ON #5?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
170.0	BOND	CARTHAGE	LIMESTONE	9.0	495.0
11.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	654.0
-106.0	CARBONDALE	DANVILLE	COAL	2.0	771.0
-120.0	CARBONDALE	HERRIN	COAL	4.0	785.0
-169.0	CARBONDALE	SPRINGFIELD	COAL	4.0	834.0
-235.0	CARBONDALE	HOUCHIN CREEK	COAL	-	900.0

MAPID: 13900131000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 17 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.671358

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.745741

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 661.0 LOGGED (FT.): 1042.0

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
133.0	BOND	CARTHAGE	LIMESTONE	6.0	528.0
-19.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	680.0
-141.0	CARBONDALE	DANVILLE	COAL	2.0	802.0
-163.0	CARBONDALE	HERRIN	COAL	3.0	824.0
-201.0	CARBONDALE	SPRINGFIELD	COAL	2.5	862.0
-282.0	CARBONDALE	HOUCHIN CREEK	COAL	-	943.0

MAPID: 13900131000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 17 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.671358

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.745741

DATE COLLECTED: 12 / 0 / 1957

SURFACE ELEVATION (FT.): 661.0 LOGGED (FT.): 1042.0

LOG TYPE: Electric Log

SOURCE: M. & E. DRLG. CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
661.0			UNKNOWN	802.0	0.0
-141.0	CARBONDALE	DANVILLE	COAL	2.0	802.0
-143.0	CARBONDALE		ROCK	20.0	804.0
-163.0	CARBONDALE	HERRIN	COAL	3.0	824.0
-166.0	CARBONDALE		ROCK	35.0	827.0
-201.0	CARBONDALE	SPRINGFIELD	COAL	2.5	862.0
-203.5	CARBONDALE		ROCK	78.5	864.5
-282.0	CARBONDALE	HOUCHIN CREEK	COAL	-	943.0
-282.0	CARBONDALE		ROCK	99.0	943.0
-381.0	CARBONDALE	COLCHESTER	COAL	-	1042.0

MAPID: 13900105000C **VERSION:** 1
COUNTY: MOULTRIE **TWP/RNG:** 15N 5E **SECTION:** 18 NE
QUADRANGLE: LOVINGTON **LONGITUDE:** -88.68212
CONFIDENTIAL: N **LATITUDE:** 39.747699
SURFACE ELEVATION (FT.): 672.0 **LOGGED (FT.):** 352.0
SOURCE: FELMONT OIL CORP.
COMMENT:

PROJECT: BLM
FOOT (NS): 340 S **FOOT (EW):** 15 E
GEOLOGIST: TREWORGY,J
DATE COLLECTED: 10 / 0 / 1956
LOG TYPE: Drillers Log
WELL TYPE: Engineering Test Holes

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
672.0			UNCONSOLIDATED	120.0	0.0
552.0			ROCK	76.0	120.0
476.0			COAL	2.0	196.0
474.0			ROCK	74.0	198.0
400.0			COAL	1.0	272.0
399.0			ROCK	79.0	273.0

MAPID: 13900150000C **VERSION:** 1
COUNTY: MOULTRIE **TWP/RNG:** 15N 5E **SECTION:** 22 SE
QUADRANGLE: LOVINGTON **LONGITUDE:** -88.632722
CONFIDENTIAL: N **LATITUDE:** 39.729284
SURFACE ELEVATION (FT.): 681.0 **LOGGED (FT.):** 1107.0
SOURCE:
COMMENT: SH RF ON #5?, GOOD LOG

PROJECT: CGT-ECILL
FOOT (NS): 990 N **FOOT (EW):** 400 W
GEOLOGIST: C TREWORGY
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Electric Log
WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
91.0	BOND	CARTHAGE	LIMESTONE	7.0	590.0
-55.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	736.0
-188.0	CARBONDALE	DANVILLE	COAL	2.5	869.0
-206.0	CARBONDALE	HERRIN	COAL	4.0	887.0
-241.0	CARBONDALE	SPRINGFIELD	COAL	3.5	922.0
-316.0	CARBONDALE	HOUCHIN CREEK	COAL	-	997.0

MAPID: 13900150000C **VERSION:** 2
COUNTY: MOULTRIE **TWP/RNG:** 15N 5E **SECTION:** 22 SE
QUADRANGLE: LOVINGTON **LONGITUDE:** -88.632722
CONFIDENTIAL: N **LATITUDE:** 39.729284
SURFACE ELEVATION (FT.): 681.0 **LOGGED (FT.):** 1107.0
SOURCE: HAROLD C. SANDERS
COMMENT: CORRELATIONS BY C. TREWORYG

PROJECT: BLM
FOOT (NS): 990 N **FOOT (EW):** 400 W
GEOLOGIST: TREWORYG,J
DATE COLLECTED: 7 / 0 / 1959
LOG TYPE: Electric Log
WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
681.0			UNKNOWN	869.0	0.0	
-188.0	CARBONDALE	DANVILLE	COAL	2.5	869.0	
-190.5	CARBONDALE		ROCK	15.5	871.5	
-206.0	CARBONDALE	HERRIN	COAL	4.0	887.0	
-210.0	CARBONDALE		ROCK	31.0	891.0	
-241.0	CARBONDALE	SPRINGFIELD	COAL	3.5	922.0	
-244.5	CARBONDALE		ROCK	71.5	925.5	
-316.0	CARBONDALE	HOUCHIN CREEK	COAL	-	997.0	
-316.0	CARBONDALE		ROCK	110.0	997.0	
-426.0	CARBONDALE	COLCHESTER	COAL	-	1107.0	

MAPID: 13900150000C **VERSION:** 3
COUNTY: MOULTRIE **TWP/RNG:** 15N 5E **SECTION:** 22 SE
QUADRANGLE: LOVINGTON **LONGITUDE:** -88.632722
CONFIDENTIAL: N **LATITUDE:** 39.729284
SURFACE ELEVATION (FT.): 681.0 **LOGGED (FT.):** 1108.0
SOURCE:
COMMENT: TOPS PICKED FOR ISGS 11:30 X-SECTION

PROJECT: IBC XSECT
FOOT (NS): 990 N **FOOT (EW):** 400 W
GEOLOGIST: C TREWORYG
DATE COLLECTED: 7 / 0 / 1959
LOG TYPE: Lithologic Log
WELL TYPE: Producer-Oil

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-206.0	CARBONDALE	HERRIN	COAL	-	887.0	
-427.0	CARBONDALE	COLCHESTER	COAL	-	1108.0	

MAPID: 13900001000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27 SESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.630468

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.718154

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 670.0 LOGGED (FT.): 911.0

LOG TYPE: Survey Core Study

SOURCE:

WELL TYPE: Coal Test

COMMENT: T& S58, GOOD LOG, #7 SPLIT

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
86.0	BOND	CARTHAGE	LIMESTONE	13.0	584.0
-71.0	MODESTO	WEST FRANKLIN	LIMESTONE	13.0	741.0
-204.0	CARBONDALE	DANVILLE	COAL	4.5	874.0
-232.0	CARBONDALE	HERRIN	COAL	9.0	902.0

MAPID: 13900001000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27 SESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.630468

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.718154

DATE COLLECTED: 11 / 0 / 1900

SURFACE ELEVATION (FT.): 683.0 LOGGED (FT.): 920.0

LOG TYPE: Drillers Log

SOURCE: LOVINGTON C. C.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
683.0			UNCONSOLIDATED	145.0	0.0
538.0			ROCK	57.6	145.0
480.4			COAL	0.8	202.6
479.6			ROCK	52.0	203.4
427.6			COAL	2.0	255.4
425.6			ROCK	45.1	257.4
380.5			COAL	1.0	302.5
379.5			ROCK	47.3	303.5
332.2			COAL	0.3	350.8
332.0			ROCK	60.8	351.0
271.2			COAL	0.3	411.8
270.9			ROCK	21.3	412.1
249.7			COAL	0.1	433.3
249.6			ROCK	6.4	433.4
243.2			COAL	0.4	439.8
242.7			ROCK	36.7	440.3
206.1			COAL	0.7	476.9
205.4			ROCK	26.3	477.6
179.2			COAL	1.3	503.8
177.9			ROCK	139.9	505.1
38.0			COAL	0.5	645.0
37.5			ROCK	69.5	645.5
-32.0			COAL	1.0	715.0
-33.0			ROCK	124.0	716.0
-157.0			SHALE	33.5	840.0
-190.5			COAL	3.2	873.5
-193.7			SHALE	1.9	876.7
-195.6			COAL	1.3	878.6
-196.9			LIMESTONE	3.1	879.9
-200.0			SHALE	5.0	883.0
-205.0			BLACK SHALE	3.0	888.0
-208.0			LIMESTONE	9.5	891.0
-217.5			BLACK SHALE	2.3	900.5
-219.8	CARBONDALE	HERRIN	COAL	8.8	902.8
-227.7			ROCK	9.3	910.7

MAPID: 13900001000C VERSION: 3

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27 SESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.630468

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.718154

DATE COLLECTED: 11 / 0 / 1900

SURFACE ELEVATION (FT.): 669.7

LOGGED (FT.): 920.0

LOG TYPE: Drillers Log

SOURCE: LOVINGTON COAL CO.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
669.7			UNCONSOLIDATED	149.0	0.0
520.7	MATTOON		SANDY SHALE	35.0	149.0
485.7	MATTOON		SANDSTONE	18.6	184.0
467.1	MATTOON		COAL	0.8	202.6
466.3	MATTOON		SANDSTONE	0.6	203.4
465.7	MATTOON		CLAYSTONE & SHALE	7.0	204.0
458.7	MATTOON		SANDSTONE	4.0	211.0
454.7	MATTOON		SHALE	14.5	215.0
440.2	MATTOON		DARK SHALE	13.5	229.5
426.7	MATTOON		BLUE SHALE	12.4	243.0
414.3	MATTOON		COAL	2.0	255.4
412.3	MATTOON		SANDY SHALE	15.6	257.4
396.7	MATTOON		SHALE	24.7	273.0
372.0	MATTOON		SHALE	1.3	297.7
370.7	MATTOON		BLACK SHALE	3.5	299.0
367.2	MATTOON		COAL	1.0	302.5
366.2	MATTOON		UNDERCLAY	4.5	303.5
361.7	MATTOON		SANDSTONE	23.0	308.0
338.7	MATTOON		SHALE	19.8	331.0
318.9	MATTOON		COAL	0.3	350.8
318.7	MATTOON		UNDERCLAY	2.0	351.0
316.7	MATTOON		CLAYSTONE & SHALE	5.0	353.0
311.7	MATTOON		LIMESTONE	5.0	358.0
306.7	MATTOON		CLAYSTONE & SHALE	6.0	363.0
300.7	MATTOON		CONGLOMERATE	3.0	369.0
297.7	BOND	MILLERSVILLE	LIMESTONE	25.7	372.0
272.0	BOND		SANDY SHALE	14.2	397.7
257.9	BOND		COAL	0.3	411.8
257.5	BOND		SHALE	21.2	412.2
236.4	BOND		COAL	0.1	433.3
236.3	BOND		SHALE	6.4	433.4
229.9	BOND		COAL	0.4	439.8
229.4	BOND		SHALE	7.8	440.3
221.6	BOND		SANDSTONE	5.0	448.1
216.6	BOND		BLUE SHALE	23.8	453.1
192.8	BOND		COAL	0.5	476.9
192.3	BOND		CLAYSTONE & SHALE	4.5	477.4
187.8	BOND		LIMESTONE	1.0	481.9
186.8	BOND		SHALE	18.5	482.9

168.3	BOND		BLACK SHALE	0.5	501.4
167.8	BOND		SHALE	1.9	501.9
165.9	BOND		COAL	1.3	503.8
164.6	BOND		UNDERCLAY	3.8	505.1
160.8	BOND		SANDSTONE	73.0	508.9
87.8	BOND		BLACK SHALE	2.5	581.9
85.3	BOND	CARTHAGE	LIMESTONE	9.1	584.4
76.2	MODESTO		BLACK SHALE	1.0	593.5
75.2	MODESTO		SHALE	16.5	594.5
58.7	MODESTO		SANDSTONE	16.0	611.0
42.7	MODESTO		SHALE	15.5	627.0
27.2	MODESTO		BLACK SHALE	2.5	642.5
24.7	MODESTO		COAL	1.5	645.0
23.2	MODESTO		CLAYSTONE & SHALE	5.5	646.5
17.7	MODESTO		SANDSTONE	4.0	652.0
13.7	MODESTO		BLUE SHALE	1.0	656.0
12.7	MODESTO		SANDSTONE	18.0	657.0
-5.3	MODESTO		SHALE	39.5	675.0
-44.8	MODESTO		BLACK SHALE	0.5	714.5
-45.3	MODESTO		COAL	1.0	715.0
-46.3	MODESTO		UNDERCLAY	2.5	716.0
-48.8	MODESTO	WEST FRANKLIN	LIMESTONE	13.5	718.5
-62.3	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	732.0
-70.3	MODESTO	WEST FRANKLIN	BLUE SHALE	1.5	740.0
-71.8	MODESTO	WEST FRANKLIN	LIMESTONE	12.8	741.5
-84.6	MODESTO		SHALE	8.7	754.3
-93.3	MODESTO		SANDSTONE	38.0	763.0
-131.3	MODESTO		BLUE SHALE	24.0	801.0
-155.3	MODESTO		BLACK SHALE	5.0	825.0
-160.3	MODESTO		BLUE SHALE	43.5	830.0
-203.8	CARBONDALE	DANVILLE	COAL	3.2	873.5
-207.0	CARBONDALE		SHALE	1.9	876.7
-208.9	CARBONDALE	BANKSTON FORK	LIMESTONE	4.4	878.6
-213.3	CARBONDALE		CLAYSTONE & SHALE	5.0	883.0
-218.3	CARBONDALE		BLACK SHALE	3.0	888.0
-221.3	CARBONDALE	BRERETON	LIMESTONE	9.5	891.0
-230.8	CARBONDALE	ANNA	BLACK SHALE	2.3	900.5
-233.1	CARBONDALE	HERRIN	COAL	8.8	902.8
-242.0	CARBONDALE		SANDSTONE	8.3	911.7

MAPID: 13900003000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27 SENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.63634

GEOLOGIST: C TREWORY

CONFIDENTIAL: N LATITUDE: 39.719098

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 668.0 LOGGED (FT.): 873.6

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: TD 901, GOOD LOG, #7 SPLIT

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
98.0	BOND	CARTHAGE	LIMESTONE	6.0	570.0
-55.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	723.0
-181.0	CARBONDALE	DANVILLE	COAL	4.3	849.0
-201.0	CARBONDALE	HERRIN	COAL	4.6	869.0

MAPID: 13900003000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27 SENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON

LONGITUDE: -88.63634

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N

LATITUDE: 39.719098

DATE COLLECTED: 0 / 0 / 1907

SURFACE ELEVATION (FT.): 672.0

LOGGED (FT.): 901.0

LOG TYPE: Drillers Log

SOURCE: LOVINGTON C. C.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
672.0			UNCONSOLIDATED	136.0	0.0	
536.0			ROCK	104.5	136.0	
431.5			COAL	1.1	240.5	
431.4			ROCK	45.6	240.6	
385.8			COAL	1.3	286.2	
384.5			ROCK	47.3	287.5	
337.2			COAL	0.2	334.8	
337.0			ROCK	53.8	335.0	
283.2			COAL	0.1	388.8	
283.1			ROCK	28.4	388.9	
254.7			COAL	0.1	417.3	
254.6			ROCK	5.6	417.4	
249.0			COAL	0.3	423.0	
248.7			ROCK	33.5	423.3	
215.2			COAL	0.3	456.8	
214.9			ROCK	33.6	457.1	
181.3			COAL	0.9	490.7	
180.4			ROCK	134.4	491.6	
46.0			COAL	0.5	626.0	
45.5			ROCK	74.2	626.5	
-28.7			COAL	1.2	700.7	
-29.8			ROCK	112.2	701.8	
-142.0			SHALE	35.0	814.0	
-177.0			COAL	3.0	849.0	
-180.0			SHALE	2.0	852.0	
-182.0			COAL	1.3	854.0	
-183.3			LIMESTONE	2.0	855.3	
-185.3			SHALE	4.3	857.3	
-189.6			LIMESTONE	6.6	861.6	
-196.2			BLACK SHALE	0.8	868.2	
-196.9	CARBONDALE	HERRIN	COAL	4.7	868.9	
-201.6			ROCK	27.4	873.6	

MAPID: 13900003000C VERSION: 3

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27 SENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.63634

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.719098

DATE COLLECTED: 0 / 0 / 1907

SURFACE ELEVATION (FT.): 668.1

LOGGED (FT.): 901.0

LOG TYPE: Drillers Log

SOURCE: LOVINGTON COAL CO.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
668.1			UNCONSOLIDATED	136.0	0.0
532.1	MATTOON		SHALE	30.0	136.0
502.1	MATTOON		SANDSTONE	34.0	166.0
468.1	MATTOON		SHALE	1.0	200.0
467.1	MATTOON		SANDSTONE	39.5	201.0
427.6	MATTOON		COAL	1.1	240.5
426.5	MATTOON		SHALE	16.4	241.6
410.1	MATTOON		DARK SHALE	23.0	258.0
387.1	MATTOON		SHALE	5.2	281.0
381.9	MATTOON		COAL	1.3	286.2
380.6	MATTOON		GRAY SHALE	21.5	287.5
359.1	MATTOON		DARK SHALE	25.8	309.0
333.3	MATTOON		COAL	0.2	334.8
333.1	MATTOON		DARK SHALE	6.8	335.0
326.3	BOND	MILLERSVILLE	LIMESTONE	5.8	341.8
320.6	BOND	MILLERSVILLE	LIMESTONE	6.5	347.5
314.1	BOND	MILLERSVILLE	LIMESTONE	28.0	354.0
286.1	BOND		LIGHT SHALE	2.5	382.0
283.6	BOND		DARK SHALE	4.3	384.5
279.3	BOND		COAL	0.1	388.8
279.2	BOND		DARK SHALE	28.4	388.9
250.8	BOND		COAL	0.1	417.3
250.7	BOND		DARK SHALE	5.6	417.4
245.1	BOND		COAL	0.3	423.0
244.8	BOND		DARK SHALE	9.8	423.3
235.1	BOND		SANDY SHALE	7.0	433.0
228.1	BOND		DARK SHALE	16.8	440.0
211.3	BOND		COAL	0.3	456.8
211.0	BOND		SHALE	23.9	457.1
187.1	BOND		DARK SHALE	5.0	481.0
182.1	BOND		BLACK SHALE	4.7	486.0
177.4	BOND		COAL	0.9	490.7
176.5	BOND		SHALE	18.4	491.6
158.1	BOND		DARK SHALE	10.0	510.0
148.1	BOND		SANDY SHALE	9.0	520.0
139.1	BOND		SANDSTONE	8.0	529.0
131.1	BOND		SANDY SHALE	1.0	537.0
130.1	BOND		SANDSTONE	23.5	538.0
106.6	BOND		SHALE	7.0	561.5

99.6	BOND		CALCAREOUS SHALE	1.5	568.5
98.1	BOND	CARTHAGE	LIMESTONE	6.0	570.0
92.1	MODESTO		SHALE	1.0	576.0
91.1	MODESTO		BLACK SHALE	1.0	577.0
90.1	MODESTO		DARK SHALE	5.0	578.0
85.1	MODESTO		SHALE	12.0	583.0
73.1	MODESTO		LIMESTONE	2.5	595.0
70.6	MODESTO		GRAY SHALE	8.5	597.5
62.1	MODESTO		DARK SHALE	17.5	606.0
44.6	MODESTO		BLACK SHALE	2.5	623.5
42.1	MODESTO		COAL	0.3	626.0
41.8	MODESTO		UNDERCLAY	17.8	626.3
24.1	MODESTO		DARK SHALE	10.0	644.0
14.1	MODESTO		SANDY SHALE	16.0	654.0
-1.9	MODESTO		SANDSTONE	16.0	670.0
-17.9	MODESTO		DARK SHALE	12.5	686.0
-30.4	MODESTO		BLACK SHALE	2.2	698.5
-32.6	MODESTO		COAL	1.2	700.7
-33.7	MODESTO		UNDERCLAY	3.2	701.8
-36.9	MODESTO		DARK SHALE	3.0	705.0
-39.9	MODESTO		SHALE	14.0	708.0
-53.9	MODESTO		DARK SHALE	1.0	722.0
-54.9	MODESTO	WEST FRANKLIN	LIMESTONE	3.0	723.0
-57.9	MODESTO	WEST FRANKLIN	SHALE	1.5	726.0
-59.4	MODESTO	WEST FRANKLIN	LIMESTONE	10.5	727.5
-69.9	MODESTO		BLACK SHALE	2.0	738.0
-71.9	MODESTO		SHALE	17.0	740.0
-88.9	MODESTO		CALCAREOUS SHALE	10.0	757.0
-98.9	MODESTO		SHALE	30.0	767.0
-128.9	MODESTO		BLACK SHALE	17.0	797.0
-145.9	MODESTO		BLUE SHALE	20.0	814.0
-165.9	MODESTO		DARK SHALE	15.0	834.0
-180.9	CARBONDALE	DANVILLE	COAL	3.0	849.0
-183.9	CARBONDALE	DANVILLE	UNDERCLAY	2.0	852.0
-185.9	CARBONDALE	DANVILLE SUMP	COAL	1.3	854.0
-187.2	CARBONDALE		LIMESTONE	2.0	855.3
-189.2	CARBONDALE		DARK SHALE	1.3	857.3
-190.5	CARBONDALE		GRAY SHALE	2.0	858.6
-192.5	CARBONDALE		DARK SHALE	1.0	860.6
-193.5	CARBONDALE	BRERETON	LIMESTONE	6.6	861.6
-200.1	CARBONDALE	ANNA	BLACK SHALE	0.8	868.2
-200.8	CARBONDALE	HERRIN	COAL	4.7	868.9
-205.5	CARBONDALE		UNDERCLAY	2.7	873.6
-208.2	CARBONDALE		SANDSTONE	0.8	876.3
-208.9	CARBONDALE		SHALE	24.0	877.0

MAPID: 13900033601M VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27 NESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LOVINGTON LONGITUDE: -88.626943

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.715371

DATE COLLECTED: 0 / 0 / 1925

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 912.0

LOG TYPE: Measured section

SOURCE: MINE NOTES-LOVINGTON C. C. # 1

WELL TYPE: Underground mine

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
600.0			UNKNOWN	904.0	0.0
-304.0	CARBONDALE	HERRIN	COAL	8.0	904.0

MAPID: 13900033602M VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27

FOOT (NS): 2160 N FOOT (EW): 2370 W

QUADRANGLE: LOVINGTON LONGITUDE: -88.634908

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.71869

DATE COLLECTED: 0 / 0 / 1924

SURFACE ELEVATION (FT.): 630.0 LOGGED (FT.): 0.0

LOG TYPE: Measured section

SOURCE: MINE NOTES-LOVINGTON C. C. # 1

WELL TYPE: Underground mine

COMMENT: AIRSHAFT ?"320' NW OF HOIST SHAFT"

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
630.0			UNKNOWN	0.0	0.0

MAPID: 13900033603M VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 27

FOOT (NS): 1650 S FOOT (EW): 660 E

QUADRANGLE: LOVINGTON LONGITUDE: -88.626955

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.714372

DATE COLLECTED: 12 / 15 / 1909

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 930.0

LOG TYPE: Measured section

SOURCE: MINE NOTES-LOVINGTON C. C. # 1

WELL TYPE: Underground mine

COMMENT: 4 OTHER MEASURED SECTIONS IN THIS MINE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
580.0			UNKNOWN	891.2	0.0
-311.2			LIMESTONE	9.0	891.2
-320.2			SHALE	2.5	900.2
-322.7	CARBONDALE	HERRIN	COAL	9.3	902.7
-332.0			ROCK	18.0	912.0

MAPID: 13920554000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 28

FOOT (NS): 21 N FOOT (EW): 860 W

QUADRANGLE: LOVINGTON LONGITUDE: -88.659498

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.724488

DATE COLLECTED: 5 / 25 / 1979

SURFACE ELEVATION (FT.): 667.0 LOGGED (FT.): 900.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. MI-79-28-7

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
667.0			UNCONSOLIDATED	121.0	0.0
546.0	MATTOON		GRAY SHALE	106.0	121.0
440.0	MATTOON		SANDSTONE	6.0	227.0
434.0	MATTOON		GRAY SHALE	8.0	233.0
426.0	MATTOON		COAL	3.0	241.0
423.0	MATTOON		GRAY SHALE	41.5	244.0
381.5	MATTOON		LIMESTONE	1.0	285.5
380.5	MATTOON		COAL	1.0	286.5
379.5	MATTOON		BLACK SHALE & CLAY	5.0	287.5
374.5	MATTOON		GRAY SHALE	45.5	292.5
329.0	MATTOON		COAL	1.0	338.0
328.0	MATTOON		GRAY SHALE	10.0	339.0
318.0	BOND	MILLERSVILLE	LIMESTONE	3.0	349.0
315.0	BOND	MILLERSVILLE	GRAY SHALE	7.0	352.0
308.0	BOND	MILLERSVILLE	LIMESTONE	18.5	359.0
289.5	BOND		GRAY SHALE	48.5	377.5
241.0	BOND		SANDSTONE	4.0	426.0
237.0	BOND		GRAY SHALE	10.0	430.0
227.0	BOND		SANDSTONE	16.0	440.0
211.0	BOND		GRAY SHALE	6.5	456.0
204.5	BOND		COAL	1.0	462.5
203.5	BOND		GRAY SHALE	5.5	463.5
198.0	BOND		LIMESTONE	1.0	469.0
197.0	BOND		SHALE	22.0	470.0
175.0	BOND		SHALE & SANDSTONE	3.0	492.0
172.0	BOND		BLACK SHALE & CLAY	1.0	495.0
171.0	BOND		GRAY SHALE	40.0	496.0
131.0	BOND		COAL	1.0	536.0
130.0	BOND		GRAY SHALE	25.7	537.0
104.3	BOND	CARTHAGE	LIMESTONE	6.3	562.7
98.0	MODESTO		GRAY SHALE	3.0	569.0
95.0	MODESTO		BLACK SHALE	2.0	572.0
93.0	MODESTO		GRAY SHALE	42.0	574.0
51.0	MODESTO		BLACK SHALE & CLAY	2.0	616.0
49.0	MODESTO		GRAY SHALE	66.0	618.0
-17.0	MODESTO		BLACK SHALE	1.0	684.0
-18.0	MODESTO		COAL	1.0	685.0
-19.0	MODESTO		GRAY SHALE	24.0	686.0
-43.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	710.0

-48.0	MODESTO	WEST FRANKLIN	GRAY SHALE	8.0	715.0
-56.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	723.0
-66.0	MODESTO		GRAY SHALE	34.0	733.0
-100.0	MODESTO		LIMESTONE	1.0	767.0
-101.0	MODESTO		GRAY SHALE	11.0	768.0
-112.0	MODESTO		LIMESTONE	3.0	779.0
-115.0	MODESTO		SHALE	6.0	782.0
-121.0	MODESTO		BLACK SHALE	14.0	788.0
-135.0	MODESTO		GRAY SHALE	22.0	802.0
-157.0	CARBONDALE	DANVILLE	COAL	3.0	824.0
-160.0	CARBONDALE		GRAY SHALE	2.0	827.0
-162.0	CARBONDALE	DANVILLE SUMP	COAL	1.0	829.0
-163.0	CARBONDALE		LIMESTONE	2.0	830.0
-165.0	CARBONDALE		SHALE	3.0	832.0
-168.0	CARBONDALE	BRERETON	LIMESTONE	5.0	835.0
-173.0	CARBONDALE		BLACK SHALE	1.8	840.0
-174.8	CARBONDALE	HERRIN	COAL	3.7	841.8
-178.5	CARBONDALE		GRAY SHALE	32.0	845.5
-210.5	CARBONDALE		BLACK SHALE	2.0	877.5
-212.5	CARBONDALE	SPRINGFIELD	COAL	3.5	879.5
-216.0	CARBONDALE		UNDERCLAY	5.7	883.0
-221.7	CARBONDALE		GRAY SHALE	11.3	888.7

MAPID: 13920555000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 35

FOOT (NS): 92 N FOOT (EW): 1275 E

QUADRANGLE: CADWELL LONGITUDE: -88.610633

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.709767

DATE COLLECTED: 6 / 1 / 1979

SURFACE ELEVATION (FT.): 682.0 LOGGED (FT.): 1015.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. MI-79-35-4

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
682.0			UNCONSOLIDATED	185.0	0.0
497.0	MATTOON		GRAY SHALE	91.5	185.0
405.5	MATTOON		SANDSTONE	2.0	276.5
403.5	MATTOON		COAL	1.0	278.5
402.5	MATTOON		GRAY SHALE	43.5	279.5
359.0	MATTOON		COAL	1.5	323.0
357.5	MATTOON		GRAY SHALE	6.0	324.5
351.5	MATTOON		SANDSTONE	6.5	330.5
345.0	MATTOON		SHALE & SANDSTONE	19.0	337.0
326.0	MATTOON		GRAY SHALE	16.5	356.0
309.5	MATTOON		COAL	0.5	372.5
309.0	MATTOON		GRAY SHALE	8.5	373.0
300.5	BOND	MILLERSVILLE	LIMESTONE	4.7	381.5
295.8	BOND	MILLERSVILLE	GRAY SHALE	4.8	386.2
291.0	BOND	MILLERSVILLE	LIMESTONE	28.0	391.0
263.0	BOND		GRAY SHALE	48.0	419.0
215.0	BOND		SANDSTONE	5.0	467.0
210.0	BOND		GRAY SHALE	30.0	472.0
180.0	BOND		COAL	1.0	502.0
179.0	BOND		SHALE	33.0	503.0
146.0	BOND		BLACK SHALE & CLAY	2.0	536.0
144.0	BOND		SHALE & SANDSTONE	7.0	538.0
137.0	BOND		GRAY SHALE	15.0	545.0
122.0	BOND		SANDSTONE	12.0	560.0
110.0	BOND		GRAY SHALE	8.0	572.0
102.0	BOND		LIMESTONE	1.5	580.0
100.5	BOND		COAL	2.0	581.5
98.5	BOND		GRAY SHALE	24.5	583.5
74.0	BOND	CARTHAGE	LIMESTONE	6.4	608.0
67.6	MODESTO		GRAY SHALE	2.6	614.4
65.0	MODESTO		BLACK SHALE	1.0	617.0
64.0	MODESTO		GRAY SHALE	15.0	618.0
49.0	MODESTO		LIMESTONE	2.5	633.0
46.5	MODESTO		SANDSTONE	3.5	635.5
43.0	MODESTO		LIMESTONE	1.3	639.0
41.7	MODESTO		GRAY SHALE	32.2	640.3
9.5	MODESTO		BLACK SHALE	2.5	672.5
7.0	MODESTO		GRAY SHALE	50.0	675.0
-43.0	MODESTO		SANDSTONE	3.5	725.0

-46.5	MODESTO		GRAY SHALE	28.5	728.5
-75.0	MODESTO		COAL	1.0	757.0
-76.0	MODESTO		GRAY SHALE	13.0	758.0
-89.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	771.0
-99.0	MODESTO	WEST FRANKLIN	GRAY SHALE	3.0	781.0
-102.0	MODESTO	WEST FRANKLIN	LIMESTONE	12.0	784.0
-114.0	MODESTO		DARK SHALE	135.0	796.0
-249.0	CARBONDALE	DANVILLE	COAL	3.5	931.0
-252.5	CARBONDALE		UNDERCLAY	1.0	934.5
-253.5	CARBONDALE	DANVILLE SUMP	COAL	1.5	935.5
-255.0	CARBONDALE		GRAY SHALE	11.0	937.0
-266.0	CARBONDALE		DARK SHALE	5.0	948.0
-271.0	CARBONDALE	HERRIN	COAL	5.0	953.0
-276.0	CARBONDALE		GRAY SHALE	37.0	958.0
-313.0	CARBONDALE		BLACK SHALE	1.8	995.0
-314.8	CARBONDALE		LIMESTONE	0.6	996.8
-315.4	CARBONDALE	SPRINGFIELD	COAL	2.1	997.4
-317.5	CARBONDALE		UNDERCLAY	3.5	999.5
-321.0	CARBONDALE		LIMESTONE	3.0	1003.0
-324.0	CARBONDALE		SHALE	9.0	1006.0

MAPID: 13920555000C VERSION: 2

PROJECT: NCRDS87

COUNTY: MOULTRIE TWP/RNG: 15N 5E SECTION: 35

FOOT (NS): 92 N FOOT (EW): 1275 E

QUADRANGLE: CADWELL LONGITUDE: -88.610633

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 39.709767

DATE COLLECTED: 6 / 1 / 1979

SURFACE ELEVATION (FT.): 682.0 LOGGED (FT.): 1014.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORPORATION MI-79-35-4

WELL TYPE: Coal Test

COMMENT: LOG-TYPES: 11, 19, 23

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
682.0			UNCONSOLIDATED	181.0	0.0
501.0	MATTOON		UNCLASSIFIED	95.5	181.0
405.5	MATTOON		BLACK SHALE	0.0	276.5
405.5	MATTOON		COAL	1.5	276.5
404.0	MATTOON		UNCLASSIFIED	39.0	278.0
365.0	MATTOON		BLACK SHALE	1.5	317.0
363.5	MATTOON		UNCLASSIFIED	2.5	318.5
361.0	MATTOON		COAL	2.0	321.0
359.0	MATTOON		UNCLASSIFIED	47.5	323.0
311.5	MATTOON		COAL	1.0	370.5
310.5	MATTOON		UNCLASSIFIED	8.0	371.5
302.5	BOND	MILLERSVILLE	LIMESTONE	6.0	379.5
296.5	BOND		UNCLASSIFIED	4.5	385.5
292.0	BOND	MILLERSVILLE	LIMESTONE	29.0	390.0
263.0	BOND		UNCLASSIFIED	80.5	419.0
182.5	BOND		COAL	1.0	499.5
181.5	BOND		UNCLASSIFIED	39.5	500.5
142.0	BOND		BLACK SHALE	4.0	540.0
138.0	BOND		COAL	1.0	544.0
137.0	BOND		UNCLASSIFIED	35.0	545.0
102.0	BOND		COAL	2.0	580.0
100.0	BOND		UNCLASSIFIED	25.0	582.0
75.0	BOND	CARTHAGE	LIMESTONE	6.0	607.0
69.0	MODESTO		BLACK SHALE	3.0	613.0
66.0	MODESTO		UNCLASSIFIED	16.5	616.0
49.5	MODESTO		LIMESTONE	7.0	632.5
42.5	MODESTO		UNCLASSIFIED	28.5	639.5
14.0	MODESTO		BLACK SHALE	4.5	668.0
9.5	MODESTO		UNCLASSIFIED	79.0	672.5
-69.5	MODESTO		BLACK SHALE	1.5	751.5
-71.0	MODESTO		UNCLASSIFIED	2.5	753.0
-73.5	MODESTO	CHAPEL	COAL	1.5	755.5
-75.0	MODESTO		UNCLASSIFIED	14.0	757.0
-89.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.5	771.0
-98.5	MODESTO		UNCLASSIFIED	3.5	780.5
-102.0	MODESTO	WEST FRANKLIN	LIMESTONE	12.0	784.0
-114.0	MODESTO		BLACK SHALE	2.0	796.0
-116.0	MODESTO		UNCLASSIFIED	132.5	798.0
-248.5	CARBONDALE	DANVILLE	COAL	3.5	930.5

-252.0	CARBONDALE		UNCLASSIFIED	14.0	934.0
-266.0	CARBONDALE	ANNA	BLACK SHALE	5.0	948.0
-271.0	CARBONDALE	HERRIN	COAL	4.0	953.0
-275.0	CARBONDALE		UNCLASSIFIED	6.5	957.0
-281.5	CARBONDALE		LIMESTONE	1.0	963.5
-282.5	CARBONDALE		UNCLASSIFIED	29.5	964.5
-312.0	CARBONDALE	TURNER MINE	BLACK SHALE	3.5	994.0
-315.5	CARBONDALE	SPRINGFIELD	COAL	2.5	997.5
-318.0	CARBONDALE		UNCLASSIFIED	2.5	1000.0
-320.5	CARBONDALE		LIMESTONE	3.5	1002.5
-324.0	CARBONDALE		UNCLASSIFIED	8.0	1006.0

MAPID: 13900108000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 2 SWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ATWOOD LONGITUDE: -88.499988

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.77603

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 670.0 LOGGED (FT.): 1138.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: Y SH ON #5?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
51.0	BOND	CARTHAGE	LIMESTONE	8.0	619.0
-81.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	751.0
-233.0	CARBONDALE	DANVILLE	COAL	3.0	903.0
-256.0	CARBONDALE	HERRIN	COAL	3.5	926.0
-294.0	CARBONDALE	SPRINGFIELD	COAL	5.0	964.0
-367.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1037.0

MAPID: 13900119000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 7 SWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: HAMMOND LONGITUDE: -88.576001

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.759061

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 692.0 LOGGED (FT.): 1025.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: Y SH ON #5?, GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN COMMENT
92.0	BOND	CARTHAGE	LIMESTONE	8.0	600.0
-50.0	MODESTO	WEST FRANKLIN	LIMESTONE	15.0	742.0
-94.0	MODESTO	PIASA	LIMESTONE	6.0	786.0
-201.0	CARBONDALE	DANVILLE	COAL	-	893.0
-224.0	CARBONDALE	HERRIN	COAL	4.0	916.0
-256.0	CARBONDALE	SPRINGFIELD	COAL	4.5	948.0
-333.0	CARBONDALE	HOUCHIN CREEK	COAL	-	1025.0

MAPID: 13920559000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 9

FOOT (NS): 42 S FOOT (EW): 61 E

QUADRANGLE: HAMMOND LONGITUDE: -88.529522

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.754355

DATE COLLECTED: 7 / 9 / 1979

SURFACE ELEVATION (FT.): 680.0 LOGGED (FT.): 680.0

LOG TYPE: Drillers Log

SOURCE: MOBIL OIL CORP. MI-79-9-10

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
680.0			UNCONSOLIDATED	140.0	0.0	
540.0	MATTOON		GRAY SHALE	4.0	140.0	
536.0	MATTOON		SANDSTONE	0.5	144.0	
535.5	MATTOON		GRAY SHALE	18.0	144.5	
517.5	MATTOON		LIMESTONE	1.0	162.5	
516.5	MATTOON		GRAY SHALE	6.5	163.5	
510.0	MATTOON		LIMESTONE	8.0	170.0	
502.0	MATTOON		SHALE	38.0	178.0	
464.0	MATTOON		SANDSTONE	4.0	216.0	
460.0	MATTOON		SANDSTONE/LIMESTON	20.0	220.0	
440.0	MATTOON		SANDSTONE	10.0	240.0	
430.0	MATTOON		LIMESTONE	1.0	250.0	
429.0	MATTOON		SANDSTONE	60.0	251.0	
369.0	MATTOON		COAL	1.0	311.0	
368.0	MATTOON		SILTSTONE	28.0	312.0	
340.0	MATTOON		GRAY SHALE	6.0	340.0	
334.0	MATTOON		COAL	2.0	346.0	
332.0	MATTOON		GRAY SHALE	22.0	348.0	
310.0	MATTOON		SILTSTONE	12.0	370.0	
298.0	MATTOON		GRAY SHALE	15.0	382.0	
283.0	BOND	MILLERSVILLE	LIMESTONE	2.0	397.0	UNCERTAIN CORRELATION
281.0	BOND	MILLERSVILLE	GRAY SHALE	11.0	399.0	
270.0	BOND	MILLERSVILLE	LIMESTONE	50.0	410.0	
220.0	BOND		GRAY SHALE	6.0	460.0	
214.0	BOND		COAL	2.0	466.0	
212.0	BOND		GRAY SHALE	24.0	468.0	
188.0	BOND		SANDSTONE	11.0	492.0	
177.0	BOND		COAL	2.0	503.0	
175.0	BOND		SANDSTONE	5.0	505.0	
170.0	BOND		SHALE	73.0	510.0	
97.0	BOND		LIMESTONE	1.0	583.0	
96.0	BOND		SANDSTONE	30.0	584.0	
66.0	BOND		LIMESTONE	7.0	614.0	
59.0	BOND		BLACK SHALE	2.0	621.0	
57.0	BOND		SHALE & SANDSTONE	15.0	623.0	
42.0	BOND	CARTHAGE	LIMESTONE	10.0	638.0	
32.0	MODESTO		SANDSTONE	18.0	648.0	
14.0	MODESTO		BLACK SHALE	2.0	666.0	
12.0	MODESTO		SANDSTONE	12.0	668.0	



MAPID: 1392056000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 11

FOOT (NS): 159 S FOOT (EW): 1293 E

QUADRANGLE: ATWOOD LONGITUDE: -88.496165

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.754464

DATE COLLECTED: 6 / 14 / 1979

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 940.0

LOG TYPE: Drillers Log

SOURCE: MOBIL OIL CORP. MI-79-11-1

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
665.0			UNCONSOLIDATED	104.0	0.0
561.0	MATTOON		SANDSTONE	1.5	104.0
559.5	MATTOON		SHALE	18.5	105.5
541.0	MATTOON		LIMESTONE	3.8	124.0
537.2	MATTOON		SHALE	1.7	127.8
535.5	MATTOON		LIMESTONE	2.0	129.5
533.5	MATTOON		GRAY SHALE	10.5	131.5
523.0	MATTOON		SANDSTONE	11.0	142.0
512.0	MATTOON		LIMESTONE	1.0	153.0
511.0	MATTOON		SHALE	37.5	154.0
473.5	MATTOON		LIMESTONE	1.5	191.5
472.0	MATTOON		GRAY SHALE	31.0	193.0
441.0	MATTOON		SANDSTONE	80.0	224.0
361.0	MATTOON		BLACK SHALE & CLAY	3.0	304.0
358.0	MATTOON		GRAY SHALE	7.0	307.0
351.0	MATTOON		DARK SHALE	26.0	314.0
325.0	MATTOON		COAL	3.0	340.0
322.0	MATTOON		GRAY SHALE	43.0	343.0
279.0	BOND	MILLERSVILLE	LIMESTONE	6.0	386.0
273.0	BOND	MILLERSVILLE	GRAY SHALE	4.0	392.0
269.0	BOND	MILLERSVILLE	LIMESTONE	11.0	396.0
258.0	BOND	MILLERSVILLE	GRAY SHALE	0.5	407.0
257.5	BOND	MILLERSVILLE	LIMESTONE	26.5	407.5
231.0	BOND		GRAY SHALE	13.0	434.0
218.0	BOND		COAL	1.0	447.0
217.0	BOND		GRAY SHALE	8.0	448.0
209.0	BOND		SANDSTONE	18.0	456.0
191.0	BOND		SHALE	92.0	474.0
99.0	BOND		SANDSTONE/SHALE	4.0	566.0
95.0	BOND		SHALE/COAL	2.0	570.0
93.0	BOND		GRAY SHALE	14.0	572.0
79.0	BOND		SANDSTONE	14.0	586.0
65.0	BOND		SANDSTONE	4.0	600.0
61.0	BOND		BLACK SHALE	5.0	604.0
56.0	MODESTO		GRAY SHALE	8.0	609.0
48.0	MODESTO		LIMESTONE/SHALE/SA	12.0	617.0
36.0	MODESTO		SANDSTONE/SHALE	3.0	629.0
33.0	MODESTO		GRAY SHALE	38.0	632.0
-5.0	MODESTO		SANDSTONE	10.0	670.0

-15.0	MODESTO		GRAY SHALE	2.0	680.0
-17.0	MODESTO		SANDSTONE	8.0	682.0
-25.0	MODESTO		GRAY SHALE	26.0	690.0
-51.0	MODESTO		COAL	2.0	716.0
-53.0	MODESTO		GRAY SHALE	6.0	718.0
-59.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.5	724.0
-63.5	MODESTO	WEST FRANKLIN	GRAY SHALE	1.5	728.5
-65.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	730.0
-72.0	MODESTO		SHALE	20.0	737.0
-92.0	MODESTO		LIMESTONE	2.0	757.0
-94.0	MODESTO		GRAY SHALE	112.5	759.0
-206.5	CARBONDALE	DANVILLE	COAL	3.5	871.5
-210.0	CARBONDALE		GRAY SHALE	10.7	875.0
-220.7	CARBONDALE		BLACK SHALE	0.3	885.7
-221.0	CARBONDALE		UNCLASSIFIED	3.5	886.0
-224.5	CARBONDALE	HERRIN	COAL	3.5	889.5
-228.0	CARBONDALE		UNCLASSIFIED	1.0	893.0
-229.0	CARBONDALE		GRAY SHALE	1.0	894.0
-230.0	CARBONDALE		LIMESTONE	5.0	895.0
-235.0	CARBONDALE		GRAY SHALE	19.8	900.0
-254.8	CARBONDALE		LIMESTONE	0.5	919.8
-255.3	CARBONDALE		BLACK SHALE	2.7	920.3
-258.0	CARBONDALE		GRAY SHALE	17.0	923.0

MAPID: 13900009000C VERSION: 2

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 13 NW NW

FOOT (NS): 330 N FOOT (EW): 330 E

QUADRANGLE: ATWOOD LONGITUDE: -88.487939

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.753011

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 662.0 LOGGED (FT.): 990.0

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
64.0	BOND	CARTHAGE	LIMESTONE	8.0	598.0
-60.0	MODESTO	WEST FRANKLIN	LIMESTONE	14.0	722.0
-212.0	CARBONDALE	DANVILLE	COAL	2.5	874.0
-229.0	CARBONDALE	HERRIN	COAL	5.0	891.0
-263.0	CARBONDALE	SPRINGFIELD	COAL	5.0	925.0
-328.0	CARBONDALE	HOUCHIN CREEK	COAL	-	990.0

MAPID: 13900009000C VERSION: 3

PROJECT: CONTROL

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 13 NW NW

FOOT (NS): 330 N FOOT (EW): 330 E

QUADRANGLE: ATWOOD LONGITUDE: -88.487939

GEOLOGIST: HINES

CONFIDENTIAL: N LATITUDE: 39.753011

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): LOGGED (FT.): 3673.0

LOG TYPE: Survey Sample Study

SOURCE: CONTINENTAL OIL CO.

WELL TYPE: Oil and Gas Test

COMMENT: OILWELLS LOGGED BY COAL SECT-LOGS IN GRU

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-			NO RECORD	0.0	0.0

MAPID: 13900106000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 14 SESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ARTHUR LONGITUDE: -88.497461

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.747586

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 667.0 LOGGED (FT.): 1118.0

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
43.0	BOND	CARTHAGE	LIMESTONE	10.0	624.0
-64.0	MODESTO	WEST FRANKLIN	LIMESTONE	18.0	731.0
-213.0	CARBONDALE	DANVILLE	COAL	2.5	880.0
-233.0	CARBONDALE	HERRIN	COAL	3.5	900.0
-268.0	CARBONDALE	SPRINGFIELD	COAL	5.0	935.0

MAPID: 13900017000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 15

FOOT (NS): 20 S FOOT (EW): 20 E

QUADRANGLE: CADWELL LONGITUDE: -88.510104

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.739343

DATE COLLECTED: 0 / 0 / 1948

SURFACE ELEVATION (FT.): 668.0 LOGGED (FT.): 439.0

LOG TYPE: Multiple log types

SOURCE: SOHIO OIL CO.

WELL TYPE: Engineering Test Holes

COMMENT: 4,1

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
668.0			UNKNOWN	355.0	0.0
313.0			COAL	-	355.0
313.0			UNKNOWN	48.0	355.0
265.0			ROCK	36.0	403.0

MAPID: 13900275000C VERSION: 1

PROJECT: CGT-ECILL

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 15 SWSENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.523285

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N LATITUDE: 39.747665

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 949.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GY SH ON #5?, FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
70.0	BOND	CARTHAGE	LIMESTONE	10.0	602.0
-62.0	MODESTO	WEST FRANKLIN	LIMESTONE	17.0	734.0
-211.0	CARBONDALE	DANVILLE	COAL	3.0	883.0
-230.0	CARBONDALE	HERRIN	COAL	4.0	902.0
-272.0	CARBONDALE	SPRINGFIELD	COAL	5.0	944.0

MAPID: 13900275000C VERSION: 2

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 15 SWSENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL LONGITUDE: -88.523285

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 39.747665

DATE COLLECTED: 9 / 0 / 1949

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 949.0

LOG TYPE: Electric Log

SOURCE: SOHIO PETROL. CO.

WELL TYPE: Oil and Gas Test

COMMENT: CORRELATIONS BY C. TREWORGY

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
672.0			UNKNOWN	883.0	0.0
-211.0	CARBONDALE	DANVILLE	COAL	3.0	883.0
-214.0	CARBONDALE		ROCK	16.0	886.0
-230.0	CARBONDALE	HERRIN	COAL	4.0	902.0
-234.0	CARBONDALE		ROCK	38.0	906.0
-272.0	CARBONDALE	SPRINGFIELD	COAL	5.0	944.0

MAPID: 13920556000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 19

FOOT (NS): 1986 N FOOT (EW): 122 W

QUADRANGLE: CADWELL LONGITUDE: -88.58642

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.733709

DATE COLLECTED: 6 / 4 / 1979

SURFACE ELEVATION (FT.): 695.0 LOGGED (FT.): 1065.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. MI-79-19-6

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
695.0			UNCONSOLIDATED	144.5	0.0
550.5	MATTOON		LIMESTONE	1.5	144.5
549.0	MATTOON		SHALE	116.0	146.0
433.0	MATTOON		SANDSTONE	42.0	262.0
391.0	MATTOON		COAL	2.0	304.0
389.0	MATTOON		SHALE	42.0	306.0
347.0	MATTOON		COAL	2.0	348.0
345.0	MATTOON		GRAY SHALE	55.0	350.0
290.0	BOND	MILLERSVILLE	LIMESTONE	4.0	405.0
286.0	BOND	MILLERSVILLE	GRAY SHALE	7.0	409.0
279.0	BOND	MILLERSVILLE	LIMESTONE	22.0	416.0
257.0	BOND		GRAY SHALE	36.0	438.0
221.0	BOND		COAL	1.0	474.0
220.0	BOND		GRAY SHALE	15.0	475.0
205.0	BOND		SANDSTONE/SHALE	10.0	490.0
195.0	BOND		GRAY SHALE	21.0	500.0
174.0	BOND		COAL	1.0	521.0
173.0	BOND		SHALE	52.0	522.0
121.0	BOND		SANDSTONE	41.0	574.0
80.0	BOND		COAL	1.0	615.0
79.0	BOND		GRAY SHALE	21.5	616.0
57.5	BOND	CARTHAGE	LIMESTONE	7.0	637.5
50.5	MODESTO		SHALE	21.5	644.5
29.0	MODESTO		SANDSTONE	20.0	666.0
9.0	MODESTO		GRAY SHALE	13.5	686.0
-4.5	MODESTO		COAL	2.5	699.5
-7.0	MODESTO		GRAY SHALE	56.0	702.0
-63.0	MODESTO		SANDSTONE	6.0	758.0
-69.0	MODESTO		GRAY SHALE	6.0	764.0
-75.0	MODESTO		SHALE & SANDSTONE	6.0	770.0
-81.0	MODESTO		GRAY SHALE	2.0	776.0
-83.0	MODESTO		COAL	1.0	778.0
-84.0	MODESTO		GRAY SHALE	17.0	779.0
-101.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	796.0
-111.0	MODESTO	WEST FRANKLIN	GRAY SHALE	3.5	806.0
-114.5	MODESTO	WEST FRANKLIN	LIMESTONE	19.5	809.5
-134.0	MODESTO		GRAY SHALE	35.0	829.0
-169.0	MODESTO		SHALE/COAL	2.0	864.0
-171.0	MODESTO		GRAY SHALE	105.0	866.0

-276.0	CARBONDALE	DANVILLE	COAL	3.5	971.0
-279.5	CARBONDALE		GRAY SHALE	2.0	974.5
-281.5	CARBONDALE	DANVILLE SUMP	COAL	2.5	976.5
-284.0	CARBONDALE		GRAY SHALE	8.0	979.0
-292.0	CARBONDALE		LIMESTONE	7.0	987.0
-299.0	CARBONDALE	HERRIN	COAL	4.0	994.0
-303.0	CARBONDALE		GRAY SHALE	41.2	998.0
-344.2	CARBONDALE		LIMESTONE	0.8	1039.2
-345.0	CARBONDALE		BLACK SHALE	2.0	1040.0
-347.0	CARBONDALE	SPRINGFIELD	COAL	4.0	1042.0
-351.0	CARBONDALE		UNDERCLAY	2.5	1046.0
-353.5	CARBONDALE		GRAY SHALE	16.5	1048.5

MAPID: 13920570000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 20

FOOT (NS): 42 N FOOT (EW): 1284 E

QUADRANGLE: CADWELL LONGITUDE: -88.552663

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.739279

DATE COLLECTED: 5 / 9 / 1980

SURFACE ELEVATION (FT.): 692.0 LOGGED (FT.): 954.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. MI-80-20-8

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
692.0			UNCONSOLIDATED	138.0	0.0	
554.0	MATTOON		SHALE	11.0	138.0	
543.0	MATTOON		SANDSTONE	3.0	149.0	
540.0	MATTOON		GRAY SHALE	9.0	152.0	
531.0	MATTOON		BLACK SHALE	2.0	161.0	
529.0	MATTOON		GRAY SHALE	18.5	163.0	
510.5	MATTOON		LIMESTONE	9.0	181.5	
501.5	MATTOON		GRAY SHALE	2.0	190.5	
499.5	MATTOON		LIMESTONE	1.0	192.5	
498.5	MATTOON		GRAY SHALE	0.5	193.5	
498.0	MATTOON		BLACK SHALE	11.0	194.0	
487.0	MATTOON		LIMESTONE	3.0	205.0	
484.0	MATTOON		SHALE	12.0	208.0	
472.0	MATTOON		SANDSTONE	90.0	220.0	
382.0	MATTOON		COAL	1.0	310.0	
381.0	MATTOON		GRAY SHALE	43.0	311.0	
338.0	MATTOON		BLACK SHALE & CLAY	3.0	354.0	
335.0	MATTOON		GRAY SHALE	21.5	357.0	
313.5	MATTOON		LIMESTONE	1.5	378.5	
312.0	MATTOON		GRAY SHALE	23.0	380.0	
289.0	BOND	MILLERSVILLE	LIMESTONE	5.5	403.0	
283.5	BOND	MILLERSVILLE	GRAY SHALE	9.5	408.5	
274.0	BOND	MILLERSVILLE	LIMESTONE	18.0	418.0	
256.0	BOND		GRAY SHALE	146.0	436.0	
110.0	BOND		SANDSTONE	27.0	582.0	
83.0	BOND		GRAY SHALE	12.0	609.0	
71.0	BOND		LIMESTONE	2.0	621.0	
69.0	BOND		GRAY SHALE	1.0	623.0	
68.0	BOND	CARTHAGE	LIMESTONE	7.0	624.0	
61.0	MODESTO		BLACK SHALE & CLAY	4.0	631.0	
57.0	MODESTO		GRAY SHALE	14.0	635.0	
43.0	MODESTO		LIMESTONE	4.0	649.0	
39.0	MODESTO		GRAY SHALE	55.0	653.0	
-16.0	MODESTO		LIMESTONE	2.0	708.0	
-18.0	MODESTO		GRAY SHALE	32.0	710.0	
-50.0	MODESTO		BLACK SHALE	4.0	742.0	
-54.0	MODESTO	CHAPEL	COAL	1.0	746.0	
-55.0	MODESTO		GRAY SHALE	9.0	747.0	
-64.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.5	756.0	UNCERTAIN CORRELATION

-69.5	MODESTO	WEST FRANKLIN	GRAY SHALE	6.5	761.5	UNCERTAIN CORRELATION
-76.0	MODESTO	WEST FRANKLIN	LIMESTONE	2.0	768.0	
-78.0	MODESTO	WEST FRANKLIN	GRAY SHALE	4.0	770.0	
-82.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	774.0	
-90.0	MODESTO		GRAY SHALE	20.0	782.0	
-110.0	MODESTO		LIMESTONE	2.0	802.0	
-112.0	MODESTO		GRAY SHALE	112.0	804.0	
-224.0	CARBONDALE	DANVILLE	COAL	3.5	916.0	
-227.5	CARBONDALE		GRAY SHALE	1.5	919.5	
-229.0	CARBONDALE	DANVILLE SUMP	COAL	1.0	921.0	
-230.0	CARBONDALE		GRAY SHALE	5.5	922.0	
-235.5	CARBONDALE		LIMESTONE	4.5	927.5	
-240.0	CARBONDALE		GRAY SHALE	1.0	932.0	
-241.0	CARBONDALE	HERRIN	COAL	5.0	933.0	
-246.0	CARBONDALE		GRAY SHALE	1.5	938.0	
-247.5	CARBONDALE		LIMESTONE	0.7	939.5	
-248.2	CARBONDALE		GRAY SHALE	13.8	940.2	

MAPID: 13920571000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 21

FOOT (NS): 44 S FOOT (EW): 74 E

QUADRANGLE: CADWELL LONGITUDE: -88.529565

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.724878

DATE COLLECTED: 5 / 6 / 1980

SURFACE ELEVATION (FT.): 674.0 LOGGED (FT.): 1424.4

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 80-21-1C

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
674.0			UNCONSOLIDATED	120.0	0.0
554.0	MATTOON		SHALE & SANDSTONE	14.0	120.0
540.0	MATTOON		GRAY SHALE	13.0	134.0
527.0	MATTOON		SANDSTONE	1.0	147.0
526.0	MATTOON		SANDSTONE/SHALE	22.0	148.0
504.0	MATTOON		GRAY SHALE	9.5	170.0
494.5	MATTOON		LIMESTONE	1.5	179.5
493.0	MATTOON		CLAYSTONE & SILTST	3.0	181.0
490.0	MATTOON		LIMESTONE	2.0	184.0
488.0	MATTOON		BLACK SHALE	7.0	186.0
481.0	MATTOON		LIMESTONE	1.0	193.0
480.0	MATTOON		SHALE	73.0	194.0
407.0	MATTOON		LIMESTONE	6.0	267.0
401.0	MATTOON		SANDSTONE	62.0	273.0
339.0	MATTOON		COAL	3.0	335.0
336.0	MATTOON		SANDSTONE	12.0	338.0
324.0	MATTOON		GRAY SHALE	26.0	350.0
298.0	MATTOON		COAL	2.0	376.0
296.0	MATTOON		GRAY SHALE	22.0	378.0
274.0	MATTOON		SHALE & SANDSTONE	5.0	400.0
269.0	MATTOON		GRAY SHALE	16.0	405.0
253.0	MATTOON		COAL	1.0	421.0
252.0	MATTOON		GRAY SHALE	6.0	422.0
246.0	BOND	MILLERSVILLE	LIMESTONE	3.0	428.0
243.0	BOND	MILLERSVILLE	GRAY SHALE	5.0	431.0
238.0	BOND	MILLERSVILLE	LIMESTONE	22.0	436.0
216.0	BOND		GRAY SHALE	5.0	458.0
211.0	BOND		SANDSTONE	13.0	463.0
198.0	BOND		GRAY SHALE	23.0	476.0
175.0	BOND		COAL	1.0	499.0
174.0	BOND		SILTSTONE	52.0	500.0
122.0	BOND		SHALE	12.0	552.0
110.0	BOND		COAL WITH SHALE	4.0	564.0
106.0	BOND		GRAY SHALE	29.5	568.0
76.5	BOND		SANDSTONE	6.5	597.5
70.0	BOND		SHALE & SANDSTONE	22.0	604.0
48.0	BOND		COAL	2.0	626.0
46.0	BOND		GRAY SHALE	17.0	628.0
29.0	BOND	CARTHAGE	LIMESTONE	9.0	645.0

20.0	MODESTO		GRAY SHALE	3.0	654.0
17.0	MODESTO		BLACK SHALE	1.0	657.0
16.0	MODESTO		GRAY SHALE	15.0	658.0
1.0	MODESTO		LIMESTONE	6.0	673.0
-5.0	MODESTO		SHALE & SANDSTONE	17.0	679.0
-22.0	MODESTO		GRAY SHALE	6.0	696.0
-28.0	MODESTO		BLACK SHALE & CLAY	2.0	702.0
-30.0	MODESTO		GRAY SHALE	65.0	704.0
-95.0	MODESTO		COAL	2.0	769.0
-97.0	MODESTO		GRAY SHALE	6.5	771.0
-103.5	MODESTO	WEST FRANKLIN	LIMESTONE	8.5	777.5
-112.0	MODESTO	WEST FRANKLIN	GRAY SHALE	5.5	786.0
-117.5	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	791.5
-126.5	MODESTO		GRAY SHALE	11.5	800.5
-138.0	MODESTO		LIMESTONE	4.0	812.0
-142.0	MODESTO		GRAY SHALE	121.5	816.0
-263.5	CARBONDALE	DANVILLE	COAL	2.5	937.5
-266.0	CARBONDALE		BLACK SHALE & CLAY	2.0	940.0
-268.0	CARBONDALE		BLACK SHALE	0.4	942.0
-268.4	CARBONDALE		UNDERCLAY	1.2	942.4
-269.6	CARBONDALE		CALCAREOUS SHALE	7.6	943.6
-277.2	CARBONDALE		GREEN SHALE	0.7	951.2
-277.9	CARBONDALE	JAMESTOWN	SHALE/COAL	1.4	951.9
-279.3	CARBONDALE		DARK GRAY SHALE	2.8	953.3
-282.1	CARBONDALE	BRERETON	LIMESTONE	0.9	956.1
-283.0	CARBONDALE	ANNA	BLACK SHALE	1.8	957.0
-284.8	CARBONDALE	HERRIN	COAL	5.0	958.8
-289.8	CARBONDALE	HERRIN	SHALE	0.1	963.8
-289.9	CARBONDALE	HERRIN	COAL	0.7	963.9
-290.6	CARBONDALE		CARBONACEOUS SHALE	0.5	964.6
-291.1	CARBONDALE		CLAYSTONE	1.2	965.1
-292.3	CARBONDALE		SHALE	1.6	966.3
-293.9	CARBONDALE		CALCAREOUS SANDSTO	3.1	967.9
-297.0	CARBONDALE		GRAY SHALE	16.5	971.0
-313.5	CARBONDALE	ST. DAVID	LIMESTONE	1.0	987.5
-314.5	CARBONDALE		GRAY SHALE	0.5	988.5
-315.0	CARBONDALE	TURNER MINE	BLACK SHALE	4.0	989.0
-319.0	CARBONDALE	SPRINGFIELD	COAL	1.5	993.0
-320.5	CARBONDALE		UNDERCLAY	3.5	994.5
-324.0	CARBONDALE		GRAY SHALE	24.0	998.0
-348.0	CARBONDALE		LIMESTONE	1.0	1022.0
-349.0	CARBONDALE		SHALE	52.0	1023.0
-401.0	CARBONDALE		SANDSTONE	3.0	1075.0
-404.0	CARBONDALE	EXCELLO	BLACK SHALE	3.0	1078.0
-407.0	CARBONDALE		SHALE	17.0	1081.0
-424.0	CARBONDALE		LIMESTONE	1.0	1098.0
-425.0	CARBONDALE		GRAY SHALE	39.0	1099.0
-464.0	CARBONDALE	SURVANT	COAL	3.0	1138.0

-467.0	CARBONDALE		GRAY SHALE	35.0	1141.0
-502.0	CARBONDALE		COAL	1.0	1176.0
-503.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	1.0	1177.0
-504.0	CARBONDALE	COLCHESTER	COAL	1.0	1178.0
-505.0	SPOON		GRAY SHALE	15.0	1179.0
-520.0	SPOON	SEELYVILLE	COAL	1.0	1194.0
-521.0	SPOON	SEELYVILLE	GRAY SHALE	4.5	1195.0
-525.5	SPOON	SEELYVILLE	COAL	1.5	1199.5
-527.0	SPOON		GRAY SHALE	19.0	1201.0
-546.0	SPOON		COAL	1.0	1220.0
-547.0	SPOON		GRAY SHALE	15.0	1221.0
-562.0	SPOON		LIMESTONE	1.0	1236.0
-563.0	SPOON		GRAY SHALE	11.0	1237.0
-574.0			COAL	1.5	1248.0
-575.5			GRAY SHALE	6.0	1249.5
-581.5			LIMESTONE	1.5	1255.5
-583.0			GRAY SHALE	7.0	1257.0
-590.0			LIMESTONE	1.0	1264.0
-591.0			SHALE	2.0	1265.0
-593.0			BLACK SHALE	7.0	1267.0
-600.0			LIMESTONE	1.0	1274.0
-601.0			COAL	4.0	1275.0
-605.0			GRAY SHALE	13.0	1279.0
-618.0			BLACK SHALE	2.0	1292.0
-620.0			SHALE	3.0	1294.0
-623.0			COAL	1.0	1297.0
-624.0			GRAY SHALE	1.0	1298.0
-625.0			BLACK SHALE	3.0	1299.0
-628.0			SHALE	9.5	1302.0
-637.5			LIMESTONE	0.5	1311.5
-638.0			COAL	2.3	1312.0
-640.3			GRAY SHALE	42.7	1314.3
-683.0			COAL	1.3	1357.0
-684.3			DARK SHALE	1.2	1358.3
-685.5			SANDSTONE	14.5	1359.5
-700.0			GRAY SHALE	15.5	1374.0
-715.5			COAL	1.0	1389.5
-716.5			SANDSTONE	5.5	1390.5
-722.0			GRAY SHALE	23.5	1396.0
-745.5			LIMESTONE	4.9	1419.5

MAPID: 13920561000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 23

FOOT (NS): 760 N FOOT (EW): 408 W

QUADRANGLE: CADWELL LONGITUDE: -88.508611

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.737191

DATE COLLECTED: 6 / 29 / 1979

SURFACE ELEVATION (FT.): 670.0 LOGGED (FT.): 1009.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP MI-79-23-2

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
670.0			UNCONSOLIDATED	98.0	0.0	
572.0	MATTOON		UNCLASSIFIED	41.0	98.0	
531.0	MATTOON		BLACK SHALE	4.5	139.0	
526.5	MATTOON		UNCLASSIFIED	267.5	143.5	
259.0	BOND	MILLERSVILLE	LIMESTONE	2.5	411.0	
256.5	BOND	MILLERSVILLE	SHALE	10.5	413.5	
246.0	BOND	MILLERSVILLE	LIMESTONE	22.0	424.0	
224.0	BOND		UNCLASSIFIED	100.0	446.0	
124.0	BOND		BLACK SHALE	3.5	546.0	
120.5	BOND		UNCLASSIFIED	74.5	549.5	
46.0	BOND	CARTHAGE	LIMESTONE	7.0	624.0	
39.0	MODESTO		BLACK SHALE	3.5	631.0	
35.5	MODESTO		UNCLASSIFIED	15.5	634.5	
20.0	MODESTO	MACOUPIN	LIMESTONE	4.0	650.0	UNCERTAIN CORRELATION
16.0	MODESTO		UNCLASSIFIED	20.5	654.0	
-4.5	MODESTO		BLACK SHALE	5.5	674.5	
-10.0	MODESTO		UNCLASSIFIED	82.0	680.0	
-92.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.0	762.0	
-96.0	MODESTO	WEST FRANKLIN	SHALE	3.0	766.0	
-99.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	769.0	
-105.0	MODESTO		UNCLASSIFIED	131.0	775.0	
-236.0	CARBONDALE	DANVILLE	COAL	3.5	906.0	
-239.5	CARBONDALE		UNCLASSIFIED	22.5	909.5	
-262.0	CARBONDALE		BLACK SHALE	6.0	932.0	
-268.0	CARBONDALE	HERRIN	COAL	8.0	938.0	
-276.0	CARBONDALE		UNCLASSIFIED	63.0	946.0	

MAPID: 13920572000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 24

FOOT (NS): 1624 S FOOT (EW): 670 E

QUADRANGLE: ARTHUR LONGITUDE: -88.475263

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.729185

DATE COLLECTED: 4 / 22 / 1980

SURFACE ELEVATION (FT.): 660.0 LOGGED (FT.): 980.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 80-24-3C

WELL TYPE: Coal Test

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

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
660.0			UNCONSOLIDATED	88.0	0.0
572.0	MATTOON		SANDSTONE	1.5	88.0
570.5	MATTOON		GRAY SHALE	45.5	89.5
525.0	MATTOON		LIMESTONE	3.0	135.0
522.0	MATTOON		GRAY SHALE	3.0	138.0
519.0	MATTOON		LIMESTONE	3.0	141.0
516.0	MATTOON		GRAY SHALE	2.5	144.0
513.5	MATTOON		LIMESTONE	1.0	146.5
512.5	MATTOON		SHALE	23.5	147.5
489.0	MATTOON		LIMESTONE	1.0	171.0
488.0	MATTOON		GRAY SHALE	77.0	172.0
411.0	MATTOON		SANDSTONE	73.0	249.0
338.0	MATTOON		GRAY SHALE	4.0	322.0
334.0	MATTOON		COAL	1.0	326.0
333.0	MATTOON		GRAY SHALE	13.0	327.0
320.0	MATTOON		DARK SHALE & BLACK	34.0	340.0
286.0	MATTOON		GRAY SHALE	12.0	374.0
274.0	MATTOON		LIMESTONE	2.0	386.0
272.0	MATTOON		SANDSTONE	8.0	388.0
264.0	MATTOON		GRAY SHALE	17.0	396.0
247.0	MATTOON		COAL	2.0	413.0
245.0	MATTOON		GRAY SHALE	5.0	415.0
240.0	BOND	MILLERSVILLE	LIMESTONE	3.0	420.0
237.0	BOND	MILLERSVILLE	GRAY SHALE	4.0	423.0
233.0	BOND	MILLERSVILLE	LIMESTONE	27.0	427.0
206.0	BOND		GRAY SHALE	34.0	454.0
172.0	BOND		COAL	2.0	488.0
170.0	BOND		SHALE	96.0	490.0
74.0	BOND		SANDSTONE	16.0	586.0
58.0	BOND		BLACK SHALE	1.0	602.0
57.0	BOND		GRAY SHALE	20.0	603.0
37.0	BOND	CARTHAGE	LIMESTONE	9.5	623.0
27.5	MODESTO		GRAY SHALE	3.5	632.5
24.0	MODESTO		BLACK SHALE	2.0	636.0
22.0	MODESTO		GRAY SHALE	9.0	638.0
13.0	MODESTO		LIMESTONE	5.0	647.0
8.0	MODESTO		GRAY SHALE	26.5	652.0
-18.5	MODESTO		BLACK SHALE & CLAY	2.5	678.5
-21.0	MODESTO		GRAY SHALE	68.0	681.0

-89.0	MODESTO	CHAPEL	BLACK SHALE & CLAY	2.0	749.0
-91.0	MODESTO		UNDERCLAY	2.0	751.0
-93.0	MODESTO		LIMESTONE/CHERT	5.5	753.0
-98.5	MODESTO	WEST FRANKLIN	LIMESTONE	4.5	758.5
-103.0	MODESTO	WEST FRANKLIN	GRAY SHALE	8.0	763.0
-111.0	MODESTO	WEST FRANKLIN	LIMESTONE	9.0	771.0
-120.0	MODESTO		GRAY SHALE	13.5	780.0
-133.5	MODESTO		LIMESTONE	1.5	793.5
-135.0	MODESTO		GRAY SHALE	102.5	795.0
-237.5	MODESTO		BLACK SHALE	1.0	897.5
-238.5	CARBONDALE	DANVILLE	COAL	3.2	898.5
-241.7	CARBONDALE		CLAYSTONE	3.3	901.7
-245.0	CARBONDALE		CLAYSTONE	6.0	905.0
-251.0	CARBONDALE		DARK GRAY SHALE	1.0	911.0
-252.0	CARBONDALE	JAMESTOWN	COAL	0.6	912.0
-252.6	CARBONDALE		UNDERCLAY	2.1	912.6
-254.7	CARBONDALE	ANNA	BLACK SHALE	3.3	914.7
-258.0	CARBONDALE	HERRIN	COAL	5.5	918.0
-263.5	CARBONDALE		UNDERCLAY	2.8	923.5
-266.3	CARBONDALE		SHALY LIMESTONE	2.8	926.3
-269.1	CARBONDALE		SHALE	5.9	929.1
-275.0	CARBONDALE		SANDSTONE/SHALE	1.9	935.0
-276.9	CARBONDALE		SANDSTONE	1.6	936.9
-278.5	CARBONDALE		SHALE	14.0	938.5
-292.5	CARBONDALE		LIMESTONE	0.5	952.5
-293.0	CARBONDALE		GRAY SHALE	4.0	953.0
-297.0	CARBONDALE	ST. DAVID	LIMESTONE	1.0	957.0
-298.0	CARBONDALE	TURNER MINE	BLACK SHALE	2.0	958.0
-300.0	CARBONDALE	SPRINGFIELD	COAL	1.5	960.0
-301.5	CARBONDALE		UNDERCLAY & LIMEST	2.5	961.5
-304.0	CARBONDALE		GRAY SHALE	16.0	964.0

MAPID: 13920572000C VERSION: 2

PROJECT: NCRDS87

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 24

FOOT (NS): 1624 S FOOT (EW): 670 E

QUADRANGLE: ARTHUR LONGITUDE: -88.475263

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 39.729185

DATE COLLECTED: 4 / 25 / 1980

SURFACE ELEVATION (FT.): 660.0 LOGGED (FT.): 980.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORPORATION 80-24-3C

WELL TYPE: Coal Test

COMMENT: LOG-TYPES: 11, 19, 23

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
660.0			UNCONSOLIDATED	97.0	0.0
563.0	MATTOON		UNCLASSIFIED	36.0	97.0
527.0	MATTOON	SHUMWAY	LIMESTONE	9.0	133.0
518.0	MATTOON		BLACK SHALE	3.0	142.0
515.0	MATTOON		LIMESTONE	1.0	145.0
514.0	MATTOON		UNCLASSIFIED	179.0	146.0
335.0	MATTOON		COAL	1.5	325.0
333.5	MATTOON		UNCLASSIFIED	38.5	326.5
295.0	MATTOON		BLACK SHALE	3.0	365.0
292.0	MATTOON		UNCLASSIFIED	43.0	368.0
249.0	MATTOON		COAL	1.0	411.0
248.0	MATTOON		UNCLASSIFIED	8.0	412.0
240.0	BOND	MILLERSVILLE	LIMESTONE	3.0	420.0
237.0	BOND		UNCLASSIFIED	5.0	423.0
232.0	BOND	MILLERSVILLE	LIMESTONE	25.0	428.0
207.0	BOND		UNCLASSIFIED	35.0	453.0
172.0	BOND		COAL WITH SHALE PA	1.0	488.0
171.0	BOND		UNCLASSIFIED	60.5	489.0
110.5	BOND		BLACK SHALE	3.5	549.5
107.0	BOND		UNCLASSIFIED	71.0	553.0
36.0	BOND	CARTHAGE	LIMESTONE	8.0	624.0
28.0	MODESTO		BLACK SHALE	5.0	632.0
23.0	MODESTO		UNCLASSIFIED	10.0	637.0
13.0	MODESTO		LIMESTONE	6.0	647.0
7.0	MODESTO		UNCLASSIFIED	23.0	653.0
-16.0	MODESTO		BLACK SHALE	8.0	676.0
-24.0	MODESTO		UNCLASSIFIED	61.0	684.0
-85.0	MODESTO		BLACK SHALE	5.0	745.0
-90.0	MODESTO	CHAPEL	COAL	1.5	750.0
-91.5	MODESTO		UNCLASSIFIED	8.5	751.5
-100.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.5	760.0
-104.5	MODESTO		UNCLASSIFIED	7.5	764.5
-112.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.5	772.0
-120.5	MODESTO		BLACK SHALE	3.5	780.5
-124.0	MODESTO		UNCLASSIFIED	115.0	784.0
-239.0	CARBONDALE	DANVILLE	COAL	3.0	899.0
-242.0	CARBONDALE		UNCLASSIFIED	10.0	902.0
-252.0	CARBONDALE	ANNA	BLACK SHALE	6.0	912.0
-258.0	CARBONDALE	HERRIN	COAL	5.0	918.0

-263.0	CARBONDALE		UNCLASSIFIED	32.0	923.0
-295.0	CARBONDALE	TURNER MINE	BLACK SHALE	5.0	955.0
-300.0	CARBONDALE	SPRINGFIELD	COAL	1.0	960.0
-301.0	CARBONDALE		UNCLASSIFIED	19.0	961.0

MAPID: 13900019000C VERSION: 1

PROJECT: BLM

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 26 NWNWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: CADWELL

LONGITUDE: -88.50971

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N

LATITUDE: 39.724381

DATE COLLECTED: 0 / 0 / 1948

SURFACE ELEVATION (FT.): 671.0

LOGGED (FT.): 441.0

LOG TYPE: Drillers Log

SOURCE: SOHIO OIL CO.

WELL TYPE: Engineering Test Holes

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN	COMMENT
671.0			UNKNOWN	330.0	0.0
341.0			COAL	-	330.0
341.0			UNKNOWN	41.0	330.0
300.0			COAL	-	371.0
300.0			UNKNOWN	70.0	371.0

MAPID: 13920573000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 26

FOOT (NS): 40 N FOOT (EW): 2612 W

QUADRANGLE: CADWELL LONGITUDE: -88.500956

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.724652

DATE COLLECTED: 5 / 5 / 1980

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 942.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. MI-80-26-9

WELL TYPE: Coal Test

COMMENT: DENSITY AND RESISTIVITY LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
672.0			UNCONSOLIDATED	117.0	0.0
555.0	MATTOON		SHALE	7.5	117.0
547.5	MATTOON		LIMESTONE	5.5	124.5
542.0	MATTOON		GRAY SHALE	3.0	130.0
539.0	MATTOON		LIMESTONE	1.0	133.0
538.0	MATTOON		SHALE	23.0	134.0
515.0	MATTOON		LIMESTONE	0.5	157.0
514.5	MATTOON		SHALE	35.0	157.5
479.5	MATTOON		LIMESTONE	2.0	192.5
477.5	MATTOON		SHALE	31.5	194.5
446.0	MATTOON		LIMESTONE	2.0	226.0
444.0	MATTOON		SANDSTONE	87.5	228.0
356.5	MATTOON		COAL	1.0	315.5
355.5	MATTOON		GRAY SHALE	36.0	316.5
319.5	MATTOON		COAL	1.0	352.5
318.5	MATTOON		GRAY SHALE	57.0	353.5
261.5	BOND	MILLERSVILLE	LIMESTONE	1.5	410.5
260.0	BOND	MILLERSVILLE	GRAY SHALE	5.0	412.0
255.0	BOND	MILLERSVILLE	LIMESTONE	7.5	417.0
247.5	BOND	MILLERSVILLE	GRAY SHALE	0.5	424.5
247.0	BOND	MILLERSVILLE	LIMESTONE	16.0	425.0
231.0	BOND		SHALE	105.0	441.0
126.0	BOND		BLACK SHALE	5.0	546.0
121.0	BOND		GRAY SHALE	9.0	551.0
112.0	BOND		SANDSTONE	28.5	560.0
83.5	BOND		GRAY SHALE	2.0	588.5
81.5	BOND		LIMESTONE	1.0	590.5
80.5	BOND		COAL	2.0	591.5
78.5	BOND		GRAY SHALE	23.0	593.5
55.5	BOND	CARTHAGE	LIMESTONE	8.5	616.5
47.0	MODESTO		BLACK SHALE & CLAY	5.0	625.0
42.0	MODESTO		GRAY SHALE	9.0	630.0
33.0	MODESTO		LIMESTONE	2.0	639.0
31.0	MODESTO		GRAY SHALE	27.0	641.0
4.0	MODESTO		BLACK SHALE	4.0	668.0
0.0	MODESTO		GRAY SHALE	67.0	672.0
-67.0	MODESTO		BLACK SHALE	2.0	739.0
-69.0	MODESTO	CHAPEL	COAL	1.0	741.0
-70.0	MODESTO		GRAY SHALE	8.0	742.0

-78.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.5	750.0
-83.5	MODESTO	WEST FRANKLIN	GRAY SHALE	6.0	755.5
-89.5	MODESTO	WEST FRANKLIN	LIMESTONE	6.5	761.5
-96.0	MODESTO		GRAY SHALE	131.0	768.0
-227.0	CARBONDALE	DANVILLE	COAL	3.5	899.0
-230.5	CARBONDALE		GRAY SHALE	14.5	902.5
-245.0	CARBONDALE	HERRIN	COAL	5.0	917.0
-250.0	CARBONDALE		GRAY SHALE	20.0	922.0

MAPID: 13920574000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 27

FOOT (NS): 50 S FOOT (EW): 1038 E

QUADRANGLE: CADWELL LONGITUDE: -88.513835

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.710429

DATE COLLECTED: 4 / 24 / 1980

SURFACE ELEVATION (FT.): 682.0 LOGGED (FT.): 1060.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 80-27-2C

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
682.0			UNCONSOLIDATED	108.0	0.0
574.0	MATTOON		SHALE	8.0	108.0
566.0	MATTOON		LIMESTONE	1.5	116.0
564.5	MATTOON		GRAY SHALE	4.0	117.5
560.5	MATTOON		BLACK SHALE	3.5	121.5
557.0	MATTOON		GRAY SHALE	4.0	125.0
553.0	MATTOON		LIMESTONE	1.5	129.0
551.5	MATTOON		SHALE	22.0	130.5
529.5	MATTOON		LIMESTONE	0.5	152.5
529.0	MATTOON		GRAY SHALE	29.0	153.0
500.0	MATTOON		LIMESTONE	5.0	182.0
495.0	MATTOON		GRAY SHALE	3.0	187.0
492.0	MATTOON		LIMESTONE	2.0	190.0
490.0	MATTOON		BLACK SHALE	2.0	192.0
488.0	MATTOON		LIMESTONE	0.5	194.0
487.5	MATTOON		GRAY SHALE	4.0	194.5
483.5	MATTOON		LIMESTONE	0.5	198.5
483.0	MATTOON		SHALE	79.0	199.0
404.0	MATTOON		SANDSTONE	70.0	278.0
334.0	MATTOON		COAL	1.5	348.0
332.5	MATTOON		SHALE	40.0	349.5
292.5	MATTOON		COAL	1.5	389.5
291.0	MATTOON		GRAY SHALE	24.0	391.0
267.0	MATTOON		SANDSTONE	5.0	415.0
262.0	MATTOON		GRAY SHALE	24.0	420.0
238.0	BOND	MILLERSVILLE	LIMESTONE	5.5	444.0
232.5	BOND	MILLERSVILLE	GRAY SHALE	8.5	449.5
224.0	BOND	MILLERSVILLE	LIMESTONE	22.5	458.0
201.5	BOND		GRAY SHALE	29.5	480.5
172.0	BOND		COAL	0.5	510.0
171.5	BOND		SHALE	69.5	510.5
102.0	BOND		SHALE	2.0	580.0
100.0	BOND		GRAY SHALE	10.0	582.0
90.0	BOND		SANDSTONE	35.0	592.0
55.0	BOND		COAL	1.0	627.0
54.0	BOND		SANDSTONE	12.0	628.0
42.0	BOND		GRAY SHALE	11.0	640.0
31.0	BOND	CARTHAGE	LIMESTONE	8.5	651.0
22.5	MODESTO		BLACK SHALE & CLAY	3.5	659.5

19.0	MODESTO		GRAY SHALE	13.0	663.0	
6.0	MODESTO		LIMESTONE	5.0	676.0	
1.0	MODESTO		GRAY SHALE	96.0	681.0	
-95.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	777.0	
-100.0	MODESTO	WEST FRANKLIN	GRAY SHALE	6.0	782.0	
-106.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.5	788.0	
-112.5	MODESTO		GRAY SHALE	150.5	794.5	
-263.0	CARBONDALE	DANVILLE	COAL	3.5	945.0	
-266.5	CARBONDALE		GRAY SHALE	11.5	948.5	
-278.0	CARBONDALE		UNKNOWN	3.5	960.0	
-281.5	CARBONDALE	JAMESTOWN	COAL	2.6	963.5	UNCERTAIN CORRELATION
-284.1	CARBONDALE		UNKNOWN	2.9	966.1	
-287.0	CARBONDALE		UNKNOWN	6.0	969.0	
-293.0	CARBONDALE		BLACK SHALE	2.5	975.0	
-295.5	CARBONDALE	HERRIN	COAL	10.0	977.5	
-305.5	CARBONDALE		LIMESTONE	19.5	987.5	
-325.0	CARBONDALE		GRAY SHALE	53.0	1007.0	

MAPID: 13920575000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 27

FOOT (NS): 45 S FOOT (EW): 1043 E

QUADRANGLE: CADWELL LONGITUDE: -88.513853

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.710416

DATE COLLECTED: 4 / 30 / 1980

SURFACE ELEVATION (FT.): 682.0 LOGGED (FT.): 1003.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. 80-27-2C-A

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
238.0	BOND	MILLERSVILLE	LIMESTONE	5.0	444.0	
233.0	BOND		SHALE	9.0	449.0	
224.0	BOND	MILLERSVILLE	LIMESTONE	23.0	458.0	
201.0	BOND		UNCLASSIFIED	171.0	481.0	
30.0	BOND	CARTHAGE	LIMESTONE	8.0	652.0	
22.0	MODESTO		BLACK SHALE	4.0	660.0	
18.0	MODESTO		UNCLASSIFIED	13.0	664.0	
5.0	MODESTO	MACOUPIN	LIMESTONE	6.0	677.0	UNCERTAIN CORRELATION
-1.0	MODESTO		UNCLASSIFIED	24.0	683.0	
-25.0	MODESTO		BLACK SHALE	5.0	707.0	
-30.0	MODESTO		UNCLASSIFIED	67.0	712.0	
-97.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.3	779.0	
-102.3	MODESTO	WEST FRANKLIN	SHALE	5.5	784.3	
-107.8	MODESTO	WEST FRANKLIN	LIMESTONE	6.4	789.8	
-114.2	MODESTO		UNCLASSIFIED	148.8	796.2	
-263.0	CARBONDALE	DANVILLE	COAL	3.8	945.0	
-266.8	CARBONDALE		UNCLASSIFIED	13.7	948.8	
-280.5	CARBONDALE		BLACK SHALE	15.5	962.5	
-296.0	CARBONDALE	HERRIN	COAL	10.0	978.0	
-306.0	CARBONDALE		UNCLASSIFIED	15.0	988.0	

MAPID: 13920562000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 29

FOOT (NS): 39 N FOOT (EW): 2607 E

QUADRANGLE: CADWELL LONGITUDE: -88.557346

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.724726

DATE COLLECTED: 7 / 18 / 1979

SURFACE ELEVATION (FT.): 680.0 LOGGED (FT.): 1000.0

LOG TYPE: Drillers Log

SOURCE: MOBIL OIL CORP. MI-79-29-3

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
680.0			UNCONSOLIDATED	155.0	0.0
525.0	MATTOON		SHALE	55.0	155.0
470.0	MATTOON		LIMESTONE	4.0	210.0
466.0	MATTOON		GRAY SHALE	2.0	214.0
464.0	MATTOON		LIMESTONE	1.0	216.0
463.0	MATTOON		GRAY SHALE	2.5	217.0
460.5	MATTOON		LIMESTONE	3.5	219.5
457.0	MATTOON		BLACK SHALE	15.0	223.0
442.0	MATTOON		LIMESTONE	1.0	238.0
441.0	MATTOON		SANDSTONE	121.0	239.0
320.0	MATTOON		GRAY SHALE	10.0	360.0
310.0	MATTOON		GREEN SHALE	2.0	370.0
308.0	MATTOON		GRAY SHALE	22.0	372.0
286.0	MATTOON		LIMESTONE AND SAND	4.0	394.0
282.0	MATTOON		SANDSTONE	17.0	398.0
265.0	MATTOON		COAL	1.0	415.0
264.0	MATTOON		GRAY SHALE	8.0	416.0
256.0	BOND	MILLERSVILLE	LIMESTONE	3.5	424.0
252.5	BOND	MILLERSVILLE	GRAY SHALE	4.5	427.5
248.0	BOND	MILLERSVILLE	LIMESTONE	1.0	432.0
247.0	BOND	MILLERSVILLE	SANDSTONE/LIMESTON	5.0	433.0
242.0	BOND	MILLERSVILLE	LIMESTONE	10.0	438.0
232.0	BOND		GRAY SHALE	86.0	448.0
146.0	BOND		COAL	2.0	534.0
144.0	BOND		GRAY SHALE	25.0	536.0
119.0	BOND		COAL	1.0	561.0
118.0	BOND		GRAY SHALE	38.0	562.0
80.0	BOND		SHALE & SANDSTONE	37.0	600.0
43.0	BOND	CARTHAGE	LIMESTONE	5.5	637.0
37.5	MODESTO		GRAY SHALE	2.5	642.5
35.0	MODESTO		COAL W/ BLACK SHAL	1.0	645.0
34.0	MODESTO		SHALE & SANDSTONE	16.0	646.0
18.0	MODESTO		LIMESTONE	3.0	662.0
15.0	MODESTO		SANDSTONE	34.0	665.0
-19.0	MODESTO		COAL	1.0	699.0
-20.0	MODESTO		GRAY SHALE	50.0	700.0
-70.0	MODESTO		LIMESTONE	2.0	750.0
-72.0	MODESTO		SHALE/COAL	5.0	752.0
-77.0	MODESTO		GRAY SHALE	15.0	757.0

-92.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.5	772.0
-96.5	MODESTO	WEST FRANKLIN	GRAY SHALE	3.5	776.5
-100.0	MODESTO	WEST FRANKLIN	LIMESTONE	11.0	780.0
-111.0	MODESTO		GRAY SHALE	16.0	791.0
-127.0	MODESTO		LIMESTONE	2.0	807.0
-129.0	MODESTO		GRAY SHALE	116.0	809.0
-245.0	CARBONDALE	DANVILLE	COAL	3.5	925.0
-248.5	CARBONDALE		GRAY SHALE	2.5	928.5
-251.0	CARBONDALE	DANVILLE SUMP	COAL	1.0	931.0
-252.0	CARBONDALE		GRAY SHALE	5.0	932.0
-257.0	CARBONDALE		LIMESTONE W/ SHALE	3.0	937.0
-260.0	CARBONDALE		GRAY SHALE	3.0	940.0
-263.0	CARBONDALE	HERRIN	COAL	5.0	943.0
-268.0	CARBONDALE		GRAY SHALE	6.0	948.0
-274.0	CARBONDALE		LIMESTONE/SHALE/SA	29.0	954.0
-303.0	CARBONDALE	SPRINGFIELD	COAL W/ BLACK SHAL	4.0	983.0
-307.0	CARBONDALE		GRAY SHALE	4.0	987.0
-311.0	CARBONDALE		LIMESTONE	3.0	991.0
-314.0	CARBONDALE		GRAY SHALE	6.0	994.0

MAPID: 13920557000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 30

FOOT (NS): 2579 N FOOT (EW): 2610 W

QUADRANGLE: CADWELL LONGITUDE: -88.577306

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.717741

DATE COLLECTED: 6 / 8 / 1979

SURFACE ELEVATION (FT.): 691.0 LOGGED (FT.): 1060.0

LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP MI-79-30-9

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
691.0			UNCONSOLIDATED	140.0	0.0
551.0	MATTOON		CLAYSTONE & SHALE	30.0	140.0
521.0	MATTOON		SHALE	4.0	170.0
517.0	MATTOON		LIMESTONE	4.0	174.0
513.0	MATTOON		GRAY SILTSTONE	4.0	178.0
509.0	MATTOON		BLACK SHALE & CLAY	6.2	182.0
502.8	MATTOON		LIMESTONE	3.8	188.2
499.0	MATTOON		SHALE	12.0	192.0
487.0	MATTOON		SANDSTONE	12.0	204.0
475.0	MATTOON		GRAY SHALE	69.0	216.0
406.0	MATTOON		SANDSTONE	31.2	285.0
374.8	MATTOON		COAL	2.0	316.2
372.8	MATTOON		COAL WITH SHALE	1.8	318.2
371.0	MATTOON		GRAY SHALE	45.0	320.0
326.0	MATTOON		BLACK SHALE	1.0	365.0
325.0	MATTOON		GRAY SHALE	3.0	366.0
322.0	MATTOON		SANDSTONE	2.0	369.0
320.0	MATTOON		GRAY SHALE	22.0	371.0
298.0	MATTOON		SANDSTONE/LIMESTON	1.0	393.0
297.0	MATTOON		GRAY SHALE	26.0	394.0
271.0	MATTOON		CALCAREOUS SHALE	4.0	420.0
267.0	BOND	MILLERSVILLE	LIMESTONE	4.0	424.0
263.0	BOND	MILLERSVILLE	GRAY SHALE	11.0	428.0
252.0	BOND	MILLERSVILLE	LIMESTONE	22.5	439.0
229.5	BOND		GRAY SHALE	118.0	461.5
111.5	BOND		BLACK SHALE & CLAY	3.5	579.5
108.0	BOND		GRAY SHALE	70.0	583.0
38.0	BOND	CARTHAGE	LIMESTONE	5.5	653.0
32.5	MODESTO		BLACK SHALE	2.0	658.5
30.5	MODESTO		GRAY SHALE	14.5	660.5
16.0	MODESTO		CALCAREOUS SHALE	3.0	675.0
13.0	MODESTO		LIMESTONE	2.0	678.0
11.0	MODESTO		GRAY SHALE	31.0	680.0
-20.0	MODESTO		BLACK SHALE & CLAY	2.0	711.0
-22.0	MODESTO		GRAY SHALE	25.0	713.0
-47.0	MODESTO		SANDSTONE	48.0	738.0
-95.0	MODESTO		SHALE & SILTSTONE	5.5	786.0
-100.5	MODESTO		COAL	1.5	791.5
-102.0	MODESTO		GRAY SHALE	10.5	793.0

-112.5	MODESTO	WEST FRANKLIN	LIMESTONE	8.5	803.5
-121.0	MODESTO	WEST FRANKLIN	GRAY SHALE	4.0	812.0
-125.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	816.0
-135.0	MODESTO		SHALE	14.0	826.0
-149.0	MODESTO		LIMESTONE	4.0	840.0
-153.0	MODESTO		GRAY SHALE	122.0	844.0
-275.0	CARBONDALE	DANVILLE	COAL	4.0	966.0
-279.0	CARBONDALE		SHALE	1.0	970.0
-280.0	CARBONDALE	DANVILLE SUMP	COAL	1.0	971.0
-281.0	CARBONDALE		GRAY SHALE	14.0	972.0
-295.0	CARBONDALE		BLACK SHALE	2.5	986.0
-297.5	CARBONDALE	HERRIN	COAL	4.7	988.5
-302.2	CARBONDALE		GRAY SHALE	35.8	993.2
-338.0	CARBONDALE		BLACK SHALE	4.0	1029.0
-342.0	CARBONDALE		LIMESTONE	0.7	1033.0
-342.7	CARBONDALE		BLACK SHALE	0.8	1033.7
-343.5	CARBONDALE	SPRINGFIELD	COAL	2.0	1034.5
-345.5	CARBONDALE		GRAY SHALE	2.5	1036.5
-348.0	CARBONDALE		LIMESTONE W/ SHALE	5.0	1039.0
-353.0	CARBONDALE		GRAY SHALE	16.0	1044.0

MAPID: 13920576000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 33

FOOT (NS): 62 S FOOT (EW): 60 E

QUADRANGLE: CADWELL LONGITUDE: -88.529292

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.695467

DATE COLLECTED: 5 / 13 / 1980

SURFACE ELEVATION (FT.): 669.0 LOGGED (FT.): 980.0

LOG TYPE: Drillers Log

SOURCE: MOBIL OIL CORP. MI-80-33-6

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST. LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
669.0			UNCONSOLIDATED	98.0	0.0
571.0	MATTOON		BLACK SHALE	3.0	98.0
568.0	MATTOON		GRAY SHALE	39.0	101.0
529.0	MATTOON		COAL	1.0	140.0
528.0	MATTOON		GRAY SHALE	14.0	141.0
514.0	MATTOON		LIMESTONE	10.5	155.0
503.5	MATTOON		BLACK SHALE	7.0	165.5
496.5	MATTOON		LIMESTONE	1.5	172.5
495.0	MATTOON		GRAY SHALE	23.0	174.0
472.0	MATTOON		SANDSTONE	48.0	197.0
424.0	MATTOON		GRAY SHALE	10.0	245.0
414.0	MATTOON		SANDSTONE	56.0	255.0
358.0	MATTOON		LIMESTONE AND SAND	1.0	311.0
357.0	MATTOON		COAL	0.7	312.0
356.3	MATTOON		GRAY SHALE	3.3	312.7
353.0	MATTOON		COAL	1.0	316.0
352.0	MATTOON		SHALE & SANDSTONE	35.0	317.0
317.0	MATTOON		BLACK SHALE	1.0	352.0
316.0	MATTOON		BLACK SHALE & CLAY	3.0	353.0
313.0	MATTOON		SHALE & SANDSTONE	20.0	356.0
293.0	MATTOON		SANDSTONE	3.0	376.0
290.0	MATTOON		GRAY SHALE	17.5	379.0
272.5	MATTOON		SANDSTONE/SHALE	2.5	396.5
270.0	MATTOON		COAL	0.5	399.0
269.5	MATTOON		GRAY SHALE	6.5	399.5
263.0	BOND	MILLERSVILLE	LIMESTONE	6.5	406.0
256.5	BOND	MILLERSVILLE	GRAY SHALE	9.5	412.5
247.0	BOND	MILLERSVILLE	LIMESTONE	3.0	422.0
244.0	BOND	MILLERSVILLE	GRAY SHALE	0.5	425.0
243.5	BOND	MILLERSVILLE	LIMESTONE	17.5	425.5
226.0	BOND		GRAY SHALE	13.5	443.0
212.5	BOND		COAL	0.5	456.5
212.0	BOND		GRAY SHALE	27.0	457.0
185.0	BOND		COAL	1.0	484.0
184.0	BOND		GRAY SHALE	25.0	485.0
159.0	BOND		COAL W/ BLACK SHAL	1.0	510.0
158.0	BOND		GRAY SHALE	21.0	511.0
137.0	BOND		SANDSTONE	6.0	532.0
131.0	BOND		GRAY SHALE	7.0	538.0

124.0	BOND		COAL	1.0	545.0
123.0	BOND		GRAY SHALE	5.0	546.0
118.0	BOND		LIMESTONE AND SAND	1.0	551.0
117.0	BOND		GRAY SHALE	11.0	552.0
106.0	BOND		SANDSTONE	13.0	563.0
93.0	BOND		GRAY SHALE	13.0	576.0
80.0	BOND		COAL	1.0	589.0
79.0	BOND		GRAY SHALE	23.0	590.0
56.0	BOND	CARTHAGE	LIMESTONE	9.0	613.0
47.0	MODESTO		BLACK SHALE	1.5	622.0
45.5	MODESTO		GRAY SHALE	15.0	623.5
30.5	MODESTO		LIMESTONE	4.0	638.5
26.5	MODESTO		GRAY SHALE	25.0	642.5
1.5	MODESTO		COAL	1.5	667.5
0.0	MODESTO		SHALE	66.0	669.0
-66.0	MODESTO	CHAPEL	COAL	1.0	735.0
-67.0	MODESTO		UNCLASSIFIED	7.0	736.0
-74.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	743.0
-79.0	MODESTO	WEST FRANKLIN	GRAY SHALE	4.0	748.0
-83.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	752.0
-91.0	MODESTO		SHALE	153.0	760.0
-244.0	CARBONDALE	DANVILLE	COAL	3.5	913.0
-247.5	CARBONDALE	DANVILLE	GRAY SHALE	0.7	916.5
-248.2	CARBONDALE	DANVILLE	COAL	1.0	917.2
-249.2	CARBONDALE		GRAY SHALE	7.8	918.2
-257.0	CARBONDALE		LIMESTONE	2.0	926.0
-259.0	CARBONDALE		GRAY SHALE	12.0	928.0
-271.0	CARBONDALE	HERRIN	COAL	5.0	940.0
-276.0	CARBONDALE	HERRIN	GRAY SHALE	4.5	945.0
-280.5	CARBONDALE	HERRIN	COAL	1.5	949.5
-282.0	CARBONDALE	HERRIN	SHALE/COAL	3.0	951.0
-285.0	CARBONDALE	HERRIN	COAL	3.5	954.0
-288.5	CARBONDALE		GRAY SHALE	4.5	957.5
-293.0	CARBONDALE		LIMESTONE W/ SHALE	3.5	962.0
-296.5	CARBONDALE		GRAY SHALE	6.5	965.5
-303.0	CARBONDALE		CALCAREOUS SHALE	2.0	972.0
-305.0	CARBONDALE		GRAY SHALE	6.0	974.0

MAPID: 13920577000C VERSION: 1

PROJECT: NCRDS88

COUNTY: MOULTRIE TWP/RNG: 15N 6E SECTION: 35

FOOT (NS): 2196 N FOOT (EW): 234 E

QUADRANGLE: ARTHUR LONGITUDE: -88.492279

GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 39.704052

DATE COLLECTED: 4 / 16 / 1980

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 988.0

LOG TYPE: Drillers Log

SOURCE: MOBIL OIL CORP. MI-80-35-5

WELL TYPE: Coal Test

COMMENT: GAMMA, DENSITY AND RESIST LOGS

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
665.0			UNCONSOLIDATED	96.0	0.0
569.0	MATTOON		RED SHALE	3.0	96.0
566.0	MATTOON		LIMESTONE	1.0	99.0
565.0	MATTOON		GRAY SHALE	4.0	100.0
561.0	MATTOON		BLACK SHALE	8.0	104.0
553.0	MATTOON		LIMESTONE	1.0	112.0
552.0	MATTOON		GRAY SHALE	9.0	113.0
543.0	MATTOON		GRAY SHALE	15.0	122.0
528.0	MATTOON		SHALE	23.0	137.0
505.0	MATTOON		LIMESTONE	4.0	160.0
501.0	MATTOON		GRAY SHALE	4.0	164.0
497.0	MATTOON		BLACK SHALE	2.5	168.0
494.5	MATTOON		LIMESTONE	1.5	170.5
493.0	MATTOON		SHALE	52.0	172.0
441.0	MATTOON		LIMESTONE	2.0	224.0
439.0	MATTOON		GRAY SHALE	60.0	226.0
379.0	MATTOON		LIMESTONE	4.0	286.0
375.0	MATTOON		SANDSTONE	48.0	290.0
327.0	MATTOON		COAL	2.0	338.0
325.0	MATTOON		GRAY SHALE	40.0	340.0
285.0	MATTOON		BLACK SHALE	1.5	380.0
283.5	MATTOON		COAL	1.0	381.5
282.5	MATTOON		GRAY SHALE	51.5	382.5
231.0	BOND	MILLERSVILLE	LIMESTONE	6.0	434.0
225.0	BOND	MILLERSVILLE	GRAY SHALE	7.0	440.0
218.0	BOND	MILLERSVILLE	LIMESTONE	3.5	447.0
214.5	BOND	MILLERSVILLE	GRAY SHALE	1.0	450.5
213.5	BOND	MILLERSVILLE	LIMESTONE	16.5	451.5
197.0	BOND		GRAY SHALE	34.0	468.0
163.0	BOND		SANDSTONE	14.0	502.0
149.0	BOND		SHALE	50.0	516.0
99.0	BOND		GREEN SHALE	2.0	566.0
97.0	BOND		GRAY SHALE	17.0	568.0
80.0	BOND		SANDSTONE	9.0	585.0
71.0	BOND		LIMESTONE	1.5	594.0
69.5	BOND		SANDSTONE	4.5	595.5
65.0	BOND		SHALE	31.0	600.0
34.0	BOND	CARTHAGE	LIMESTONE	7.0	631.0
27.0	MODESTO		BLACK SHALE & CLAY	4.0	638.0

23.0	MODESTO		GRAY SHALE	14.0	642.0
9.0	MODESTO		LIMESTONE	4.5	656.0
4.5	MODESTO		GRAY SHALE	22.5	660.5
-18.0	MODESTO		BLACK SHALE	3.0	683.0
-21.0	MODESTO		COAL	2.0	686.0
-23.0	MODESTO		GRAY SHALE	10.0	688.0
-33.0	MODESTO		SANDSTONE	6.0	698.0
-39.0	MODESTO		GRAY SHALE	42.0	704.0
-81.0	MODESTO		COAL	1.5	746.0
-82.5	MODESTO		GRAY SHALE	2.5	747.5
-85.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.5	750.0
-91.5	MODESTO	WEST FRANKLIN	GRAY SHALE	5.5	756.5
-97.0	MODESTO	WEST FRANKLIN	LIMESTONE	4.5	762.0
-101.5	MODESTO		GRAY SHALE	25.5	766.5
-127.0	MODESTO		SANDSTONE	18.0	792.0
-145.0	MODESTO		GRAY SHALE	99.0	810.0
-244.0	CARBONDALE	DANVILLE	COAL	3.5	909.0
-247.5	CARBONDALE		GRAY SHALE	13.5	912.5
-261.0	CARBONDALE	HERRIN	COAL	6.0	926.0
-267.0	CARBONDALE		GRAY SHALE	5.0	932.0
-272.0	CARBONDALE		SANDSTONE	5.0	937.0
-277.0	CARBONDALE		GRAY SHALE	17.5	942.0
-294.5	CARBONDALE		LIMESTONE	0.5	959.5
-295.0	CARBONDALE		BLACK SHALE	3.5	960.0
-298.5	CARBONDALE	ST. DAVID	LIMESTONE	2.0	963.5
-300.5	CARBONDALE	TURNER MINE	BLACK SHALE	1.0	965.5
-301.5	CARBONDALE	SPRINGFIELD	COAL	1.5	966.5
-303.0	CARBONDALE		GRAY SHALE	11.5	968.0
-314.5	CARBONDALE		LIMESTONE	1.0	979.5
-315.5	CARBONDALE		GRAY SHALE	7.5	980.5
