

Status Report

Total Records: 13

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
DeWitt	13	Multiple log types	6	SPRINGFIELD	11	DANVILLE COAL	11
		Drillers Log	3	DANVILLE	11	SPRINGFIELD COAL	11
		Time Log	2	HERRIN	8	HERRIN COAL	8

Data Summary

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

Tabulation of logged intervals only, individual logs will vary.

Depth and Thickness measurements in feet

Member	Lithology	Avg. Depth	Min. Depth	Max. Depth	Avg. Thk	Min. Thk	Max. Thk
CARTHAGE	LIMESTONE	244.3	218.0	270.5	11.7	8.0	15.4
NEW HAVEN	COAL	256.0	233.4	278.5	2.1	1.6	2.5
MACOUPIN	LIMESTONE	268.0	245.0	291.0	6.3	5.0	7.5
CHAPEL	COAL	320.9	306.0	360.0	1.4	0.5	2.0
WEST FRANKLIN	LIMESTONE	341.2	265.0	390.0	11.2	5.0	19.0
DANVILLE	COAL	429.6	347.0	494.0	2.5	1.0	3.5
BANKSTON FORK	LIMESTONE	415.5	415.5	415.5	3.5	3.5	3.5
ANVIL ROCK	SANDSTONE	375.0	361.0	389.0	22.0	8.0	36.0
BRERETON	LIMESTONE	473.5	422.0	514.0	6.1	4.6	8.0
ANNA	SHALE	455.6	377.0	518.6	2.7	1.5	4.0
HERRIN	COAL	447.8	340.0	520.1	2.5	2.0	3.0
ST. DAVID	LIMESTONE	521.1	475.5	568.0	1.1	0.3	2.0
TURNER MINE	SHALE	513.8	427.0	569.5	2.7	0.9	6.0
SPRINGFIELD	COAL	510.2	433.0	573.3	3.8	2.5	4.5
EXCELLO	SHALE	527.0	527.0	527.0	2.5	2.5	2.5
HOUCHIN CREEK	COAL	544.5	529.5	561.0	2.0	2.0	2.0
COLCHESTER	COAL	602.5	554.0	658.0	2.0	2.0	2.0
Net Coal					16.3		

Coal Logs

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

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

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

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

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

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

MAPID: 03920683000C VERSION: 1 PROJECT: NCRDS88
 COUNTY: DEWITT TWP/RNG: 19N 1E SECTION: 3 QUARTERS/FOOTAGES: 2589' N line, 2367' W line
 QUADRANGLE: WAYNESVILLE EAST LONGITUDE: -89.077146 GEOLOGIST: R. SMITH
 CONFIDENTIAL: N LATITUDE: 40.130286 DATE COLLECTED: 10 / 18 / 1979
 SURFACE ELEVATION (FT.): 714.0 LOGGED (FT.): 495.5 LOG TYPE: Multiple log types
 SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test
 COMMENT: GAMMA, DENS., RESIST. AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
714.0			UNCONSOLIDATED	301.0	0.0	
413.0	MODESTO		GRAY SHALE	5.0	301.0	
408.0	MODESTO	CHAPEL	COAL	0.5	306.0	
407.5	MODESTO		GRAY SHALE	8.5	306.5	
399.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	315.0	OFF RESIST LOGS
394.0	MODESTO	WEST FRANKLIN	GRAY SHALE	4.0	320.0	OFF RESIST LOGS
390.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	324.0	OFF RESIST LOGS
380.0	MODESTO		BLACK SHALE	3.0	334.0	
377.0	MODESTO		GRAY SHALE	15.0	337.0	
362.0	MODESTO		LIMESTONE	2.0	352.0	
360.0	MODESTO		GRAY SHALE	52.5	354.0	
307.5	MODESTO		DARK SHALE	9.2	406.5	
298.3	CARBONDALE	DANVILLE	COAL	3.0	415.7	
295.3	CARBONDALE		GRAY SHALE	11.3	418.7	
284.0	CARBONDALE	ANNA	BLACK SHALE	4.0	430.0	
280.0	CARBONDALE	HERRIN	SHALE	0.0	434.0	COAL ABSENT
280.0	CARBONDALE		GRAY SHALE	41.5	434.0	
238.5	CARBONDALE	ST. DAVID	LIMESTONE	0.6	475.5	

237.9	CARBONDALE	TURNER MINE	BLACK SHALE	0.9	476.1
237.0	CARBONDALE	SPRINGFIELD	COAL	4.5	477.0
232.5	CARBONDALE		UNDERCLAY	2.5	481.5
230.0	CARBONDALE		GRAY SHALE	11.5	484.0

MAPID: 03920688000C **VERSION:** 1 **PROJECT:** NCRDS88
COUNTY: DEWITT **TWP/RNG:** 19N 2E **SECTION:** 4 **QUARTERS/FOOTAGES:** 48' N line, 1368' E line
QUADRANGLE: CLINTON **LONGITUDE:** -88.979892 **GEOLOGIST:** R. SMITH
CONFIDENTIAL: N **LATITUDE:** 40.139214 **DATE COLLECTED:** 1 / 22 / 1979
SURFACE ELEVATION (FT.): 720.0 **LOGGED (FT.):** 560.0 **LOG TYPE:** Multiple log types
SOURCE: MOBIL OIL CORP. **WELL TYPE:** Coal Test
COMMENT: GAMMA, DENS, RESIST AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
720.0			UNCONSOLIDATED	270.5	0.0	
449.5	BOND	CARTHAGE	LIMESTONE	8.0	270.5	
441.5	MODESTO	NEW HAVEN	BLACK SHALE	2.5	278.5	
439.0	MODESTO		GRAY SHALE	10.0	281.0	
429.0	MODESTO	MACOUPIN	LIMESTONE	5.0	291.0	OFF GAMMA AND RESIST.
424.0	MODESTO		BLACK SHALE	4.0	296.0	
420.0	MODESTO		GRAY SHALE	58.0	300.0	
362.0	MODESTO		BLACK SHALE	2.0	358.0	OFF GAMMA
360.0	MODESTO	CHAPEL	COAL	2.0	360.0	
358.0	MODESTO		GRAY SHALE	4.0	362.0	
354.0	MODESTO		LIMESTONE & SHALE	4.0	366.0	
350.0	MODESTO		BLACK SHALE	3.0	370.0	OFF GAMMA LOG
347.0	MODESTO		GRAY SHALE	5.0	373.0	
342.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	378.0	(LONSDALE LS)
332.0	MODESTO		BLACK SHALE	2.5	388.0	
329.5	MODESTO		GRAY SHALE	70.5	390.5	
259.0	MODESTO		BLACK SHALE	2.5	461.0	
256.5	MODESTO		DARK SHALE	7.5	463.5	
249.0	CARBONDALE	DANVILLE	COAL	2.5	471.0	
246.5	CARBONDALE		GRAY SHALE	10.5	473.5	
236.0	CARBONDALE	BRERETON	LIMESTONE	5.5	484.0	
230.5	CARBONDALE	ANNA	BLACK SHALE	2.5	489.5	
228.0	CARBONDALE	HERRIN	SHALE	0.0	492.0	COAL ABSENT
228.0	CARBONDALE		SANDY SHALE	5.0	492.0	
223.0	CARBONDALE		GRAY SHALE	40.0	497.0	
183.0	CARBONDALE	TURNER MINE	BLACK SHALE	2.5	537.0	
180.5	CARBONDALE	SPRINGFIELD	COAL	4.5	539.5	
176.0	CARBONDALE		GRAY SHALE	16.0	544.0	

MAPID: 03900002000C VERSION: 1

PROJECT: NCRDS88

COUNTY: DEWITT TWP/RNG: 20N 1E SECTION: 31 QUARTERS/FOOTAGES: NW SW NE

QUADRANGLE: WAYNESVILLE WEST LONGITUDE: -89.134015 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 40.146745 DATE COLLECTED:

SURFACE ELEVATION (FT.): 650.0 LOGGED (FT.): 438.0 LOG TYPE: Drillers Log

SOURCE: C.S. CUMMING WELL TYPE: Coal Test

COMMENT: LOC. 1/4 MI. N OF DEPOT AT INTERSECTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
650.0			UNCONSOLIDATED	265.0	0.0	
385.0	MODESTO	WEST FRANKLIN	LIMESTONE	5.0	265.0	UNCERTAIN CORRELATION
380.0	MODESTO		SHALE	59.0	270.0	
321.0	MODESTO		CLAYSTONE & SHALE	15.0	329.0	
306.0	MODESTO		BLACK SHALE	3.0	344.0	
303.0	CARBONDALE	DANVILLE	COAL	1.0	347.0	
302.0	CARBONDALE		UNDERCLAY	13.0	348.0	
289.0	CARBONDALE	ANVIL ROCK	SANDY SHALE	8.0	361.0	
281.0	CARBONDALE		BLUE SHALE	8.0	369.0	
273.0	CARBONDALE	ANNA	BLACK SHALE	3.0	377.0	
270.0	CARBONDALE	HERRIN	SHALE	0.0	380.0	COAL ABSENT
270.0	CARBONDALE		UNDERCLAY	12.0	380.0	
258.0	CARBONDALE		SANDSTONE	7.0	392.0	
251.0	CARBONDALE		BLUE SHALE	28.0	399.0	
223.0	CARBONDALE	TURNER MINE	BLACK SHALE	6.0	427.0	
217.0	CARBONDALE	SPRINGFIELD	COAL	2.5	433.0	
214.5	CARBONDALE		UNDERCLAY	2.5	435.5	HAS CLAY HORSEBACKS

MAPID: 03900003000C VERSION: 1

PROJECT: NCRDS88

COUNTY: DEWITT TWP/RNG: 20N 2E SECTION: 10 QUARTERS/FOOTAGES:

QUADRANGLE: CLINTON LONGITUDE: -88.965397 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 40.206199 DATE COLLECTED:

SURFACE ELEVATION (FT.): 742.0 LOGGED (FT.): 800.0 LOG TYPE: Drillers Log

SOURCE: FURNISHED BY FRED BALL WELL TYPE: Coal Test

COMMENT: NEAR CENTER OF NORTH LINE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
742.0			UNCONSOLIDATED	352.0	0.0	
390.0	MODESTO		BLACK SHALE	1.0	352.0	
389.0	MODESTO		UNDERCLAY	3.0	353.0	
386.0	MODESTO		LIMESTONE	19.0	356.0	
367.0	CARBONDALE	DANVILLE	COAL	0.0	375.0	DANVILLE COAL ABSENT
367.0	CARBONDALE		UNDERCLAY	1.0	375.0	
366.0	CARBONDALE		SHALE	13.0	376.0	
353.0	CARBONDALE	ANVIL ROCK	SANDSTONE	36.0	389.0	HERRIN COAL ERODED?
317.0	CARBONDALE		GRAY SHALE	32.0	425.0	
285.0	CARBONDALE		DARK SHALE	6.0	457.0	
279.0	CARBONDALE		GRAY SHALE	5.0	463.0	
274.0	CARBONDALE	SPRINGFIELD	COAL	2.8	468.0	
271.2	CARBONDALE		UNDERCLAY	7.3	470.8	
264.0	CARBONDALE		LIMESTONE	22.0	478.0	
242.0	CARBONDALE		SANDSTONE	6.0	500.0	
236.0	CARBONDALE		GRAY SHALE	11.0	506.0	
225.0	CARBONDALE		SANDSTONE	11.0	517.0	
214.0	CARBONDALE		GRAY SHALE	8.0	528.0	
206.0	CARBONDALE		BLACK SHALE & CLAY	3.0	536.0	
203.0	CARBONDALE		LIMESTONE	7.0	539.0	
196.0	CARBONDALE		SANDSTONE	19.0	546.0	
177.0	CARBONDALE		GRAY SHALE	10.0	565.0	
167.0	CARBONDALE		DARK SHALE	3.0	575.0	
164.0	CARBONDALE	COLCHESTER	BLACK SHALE & CLAY	2.0	578.0	UNCERTAIN CORRELATION
162.0	SPOON		GRAY SHALE	15.0	580.0	
147.0	SPOON		SANDSTONE	50.0	595.0	
97.0	SPOON		GRAY SHALE	14.0	645.0	
83.0	SPOON		BLACK SHALE	2.0	659.0	
81.0	SPOON		GRAY SHALE	5.0	661.0	
76.0	SPOON		SANDSTONE	23.0	666.0	
53.0	SPOON		GRAY SHALE	21.0	689.0	
32.0	SPOON		BLACK SHALE	3.0	710.0	
29.0	SPOON		COAL	1.0	713.0	
28.0	SPOON		BLACK SHALE & CLAY	2.0	714.0	
26.0	SPOON		GRAY SHALE	3.0	716.0	
23.0	SPOON		COAL	1.0	719.0	
22.0	SPOON		BLACK SHALE & CLAY	3.0	720.0	
19.0	SPOON		GRAY SHALE	16.0	723.0	
3.0	SPOON		SANDSTONE	4.0	739.0	

-1.0	SPOON	GRAY SHALE	5.0	743.0
-6.0	SPOON	BLACK SHALE	8.0	748.0
-14.0	SPOON	SANDSTONE	10.0	756.0
-24.0	SPOON	GRAY SHALE	3.0	766.0
-27.0	SPOON	BLACK SHALE	2.0	769.0
-29.0	SPOON	GRAY SHALE	8.0	771.0
-37.0	SPOON	SANDY SHALE	11.0	779.0
-48.0	SPOON	GRAY SHALE	9.0	790.0
-57.0	SPOON	LIMESTONE	1.0	799.0

MAPID: 03920684000C **VERSION:** 1 **PROJECT:** NCRDS88
COUNTY: DEWITT **TWP/RNG:** 20N 2E **SECTION:** 17 **QUARTERS/FOOTAGES:** 42' S line, 30' E line
QUADRANGLE: CLINTON **LONGITUDE:** -88.994329 **GEOLOGIST:** R. SMITH
CONFIDENTIAL: N **LATITUDE:** 40.183305 **DATE COLLECTED:** 1 / 16 / 1979
SURFACE ELEVATION (FT.): 747.0 **LOGGED (FT.):** 563.0 **LOG TYPE:** Multiple log types
SOURCE: MOBIL OIL CORP. **WELL TYPE:** Coal Test
COMMENT: GAMMA, DENSITY, RESIST. & DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
747.0			UNCONSOLIDATED	374.0	0.0	OFF E-LOG
373.0	MODESTO		SHALE	4.0	374.0	
369.0	MODESTO	WEST FRANKLIN	LIMESTONE	10.0	378.0	
359.0	MODESTO		BLACK SHALE	2.0	388.0	
357.0	MODESTO		GRAY SHALE	84.0	390.0	WITH LS NODULES
273.0	CARBONDALE	DANVILLE	COAL	3.0	474.0	
270.0	CARBONDALE		GRAY SHALE	20.0	477.0	WITH LS NODULES
250.0	CARBONDALE	ANNA	BLACK SHALE	3.0	497.0	
247.0	CARBONDALE	HERRIN	COAL	0.0	500.0	HERRIN COAL NOT PRESENT
247.0	CARBONDALE		GRAY SHALE	14.0	500.0	
233.0	CARBONDALE		SANDSTONE/LIMESTONE	5.0	514.0	OFF DRILLERS LOG
228.0	CARBONDALE		GRAY SHALE	22.0	519.0	
206.0	CARBONDALE	ST. DAVID	LIMESTONE	2.0	541.0	
204.0	CARBONDALE	TURNER MINE	BLACK SHALE	1.0	543.0	
203.0	CARBONDALE	SPRINGFIELD	COAL	4.0	544.0	
199.0	CARBONDALE		UNCLASSIFIED	15.0	548.0	

MAPID: 03900540000C VERSION: 1

PROJECT: IBC XSECT

COUNTY: DEWITT TWP/RNG: 20N 3E SECTION: 4 QUARTERS/FOOTAGES: 330' S line, 330' E line of SE

QUADRANGLE: DEWITT LONGITUDE: -88.859741 GEOLOGIST: C TREWORYG

CONFIDENTIAL: N LATITUDE: 40.2157 DATE COLLECTED: 2 / 0 / 1970

SURFACE ELEVATION (FT.): 776.0 LOGGED (FT.): 0.0 LOG TYPE: Time Log

SOURCE: WELL TYPE: Producer-Oil

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

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
436.0	CARBONDALE	HERRIN	COAL	-	340.0	
222.0	CARBONDALE	COLCHESTER	COAL	-	554.0	

MAPID: 03920685000C VERSION: 1

PROJECT: NCRDS88

COUNTY: DEWITT TWP/RNG: 20N 3E SECTION: 7 QUARTERS/FOOTAGES: 57' N line, 1275' E line

QUADRANGLE: CLINTON LONGITUDE: -88.901571 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 40.214241 DATE COLLECTED: 12 / 28 / 1978

SURFACE ELEVATION (FT.): 759.0 LOGGED (FT.): 540.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: GAMMA, DENS. AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
759.0			UNCONSOLIDATED	334.0	0.0	
425.0			LIMESTONE	7.0	334.0	OFF E-LOG
418.0			BLACK SHALE	4.0	341.0	
414.0			GRAY SHALE	2.0	345.0	
412.0			DARK SHALE	4.5	347.0	
407.5			UNCLASSIFIED	3.5	351.5	
404.0			LIMESTONE	3.0	355.0	
401.0			GRAY SHALE	2.0	358.0	
399.0			BLACK SHALE	3.0	360.0	
396.0	MODESTO		GRAY SHALE	49.0	363.0	
347.0	CARBONDALE	DANVILLE	COAL	1.0	412.0	
346.0	CARBONDALE		GRAY SHALE	2.5	413.0	
343.5	CARBONDALE	BANKSTON FORK	LIMESTONE	3.5	415.5	
340.0	CARBONDALE		GRAY SHALE	3.0	419.0	
337.0	CARBONDALE	BRERETON	LIMESTONE	8.0	422.0	
329.0	CARBONDALE	ANNA	BLACK SHALE	2.0	430.0	
327.0	CARBONDALE	HERRIN	COAL	0.0	432.0	HERRIN COAL NOT PRESENT
327.0	CARBONDALE		GRAY SHALE	91.0	432.0	WITH LIMY AND SILTY STREAKS
236.0	CARBONDALE	SPRINGFIELD	COAL	3.0	523.0	
233.0	CARBONDALE		UNDERCLAY	7.0	526.0	
226.0	CARBONDALE		LIMESTONE	7.0	533.0	

MAPID: 03900601000C VERSION: 1

PROJECT: EIA-DOE

COUNTY: DEWITT

TWP/RNG: 20N 3E

SECTION: 23

QUARTERS/FOOTAGES: SW NE SW

QUADRANGLE: DEWITT

LONGITUDE: -88.833984

GEOLOGIST: PRUSSEN

CONFIDENTIAL: N

LATITUDE: 40.175913

DATE COLLECTED: 0 / 0 / 1973

SURFACE ELEVATION (FT.): 738.9

LOGGED (FT.): 444.9

LOG TYPE: Other Core Study

SOURCE: DAMES & MOORE P-38

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
431.2	MODESTO	CHAPEL	COAL	1.1	307.7	
306.6	CARBONDALE	DANVILLE	COAL	3.5	432.3	

MAPID: 03900378000C VERSION: 1

PROJECT: IBC XSECT

COUNTY: DEWITT

TWP/RNG: 20N 3E

SECTION: 27

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

QUADRANGLE: DEWITT

LONGITUDE: -88.853064

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 40.168372

DATE COLLECTED: 7 / 0 / 1963

SURFACE ELEVATION (FT.): 726.0

LOGGED (FT.): 658.0

LOG TYPE: Time Log

SOURCE:

WELL TYPE: Producer-Oil

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

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
306.0	CARBONDALE	DANVILLE	COAL	-	420.0	
290.0	CARBONDALE	HERRIN	COAL	2.0	436.0	LITHOLOGY & CORRELATION UNCERTAIN
234.5	CARBONDALE	SPRINGFIELD	COAL	-	491.5	
183.0	CARBONDALE	HOUCHIN CREEK	COAL	-	543.0	UNCERTAIN CORRELATION
68.0	CARBONDALE	COLCHESTER	COAL	-	658.0	

MAPID: 03900039000C VERSION: 1

PROJECT: IBC XSECT

COUNTY: DEWITT

TWP/RNG: 20N 3E

SECTION: 34

QUARTERS/FOOTAGES: 73' N line, 46' E line of SE NW NW

QUADRANGLE: DEWITT

LONGITUDE: -88.85457

GEOLOGIST: C TREWORGY

CONFIDENTIAL: N

LATITUDE: 40.154468

DATE COLLECTED: 10 / 0 / 1960

SURFACE ELEVATION (FT.): 735.0

LOGGED (FT.): 687.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Structure Test

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

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
274.0	CARBONDALE	HERRIN	COAL	3.0	461.0	LITHOLOGY & CORRELATION UNCERTAIN
221.0	CARBONDALE	SPRINGFIELD	COAL	-	514.0	LITHOLOGY & CORRELATION UNCERTAIN
174.0	CARBONDALE	HOUCHIN CREEK	COAL	-	561.0	
115.0	CARBONDALE	COLCHESTER	COAL	-	620.0	

MAPID: 03920751000C VERSION: 1

PROJECT: NCRDS88

COUNTY: DEWITT TWP/RNG: 21N 1E SECTION: 32 QUARTERS/FOOTAGES: 1890' N line, 1560' W line

QUADRANGLE: WAYNESVILLE EAST LONGITUDE: -89.123472 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 40.233185 DATE COLLECTED: 1 / 17 / 1979

SURFACE ELEVATION (FT.): 730.0 LOGGED (FT.): 550.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: GAMMA, DENS, AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
730.0			UNCONSOLIDATED	214.0	0.0	
516.0	BOND		GRAY SHALE	4.0	214.0	
512.0	BOND	CARTHAGE	LIMESTONE	3.5	218.0	
508.5	BOND	CARTHAGE	GRAY SHALE	4.5	221.5	
504.0	BOND	CARTHAGE	LIMESTONE	7.4	226.0	
496.6	MODESTO	NEW HAVEN	BLACK SHALE	1.6	233.4	
495.0	MODESTO		GRAY SHALE	10.0	235.0	
485.0	MODESTO	MACOUPIN	LIMESTONE	7.5	245.0	AVE. THICKNESS BETWEEN LOGS
477.5	MODESTO		BLACK SHALE	1.5	252.5	OFF GAMMA LOG
476.0	MODESTO		GRAY SHALE	56.0	254.0	
420.0	MODESTO	CHAPEL	COAL	2.0	310.0	
418.0	MODESTO		GRAY SHALE	9.0	312.0	
409.0	MODESTO	WEST FRANKLIN	LIMESTONE	7.0	321.0	LONSDALE LS.
402.0	MODESTO	WEST FRANKLIN	GRAY SHALE	2.0	328.0	
400.0	MODESTO	WEST FRANKLIN	LIMESTONE	8.0	330.0	
392.0	MODESTO		GRAY SHALE	83.0	338.0	
309.0	MODESTO		BLACK SHALE	5.0	421.0	OFF GAMMA LOG
304.0	CARBONDALE	DANVILLE	COAL	2.5	426.0	
301.5	CARBONDALE		GRAY SHALE	18.5	428.5	
283.0	CARBONDALE	ANNA	BLACK SHALE	3.0	447.0	
280.0	CARBONDALE	HERRIN	COAL	0.0	450.0	HERRIN COAL NOT PRESENT
280.0	CARBONDALE		SANDY SHALE	21.0	450.0	
259.0	CARBONDALE		GRAY SHALE	29.0	471.0	
230.0	CARBONDALE	ST. DAVID	LIMESTONE	0.3	500.0	
229.7	CARBONDALE	TURNER MINE	BLACK SHALE	2.2	500.3	
227.5	CARBONDALE	SPRINGFIELD	COAL	4.5	502.5	
223.0	CARBONDALE		UNDERCLAY	4.0	507.0	
219.0	CARBONDALE		LIMESTONE	2.0	511.0	
217.0	CARBONDALE		GRAY SHALE	14.0	513.0	
203.0	CARBONDALE	EXCELLO	BLACK SHALE	2.5	527.0	
200.5	CARBONDALE	HOUCHIN CREEK	COAL	2.0	529.5	AVE. BETWEEN LOGS
198.5	CARBONDALE		GRAY SHALE	18.5	531.5	

MAPID: 03920686000C VERSION: 1

PROJECT: NCRDS88

COUNTY: DEWITT TWP/RNG: 21N 2E SECTION: 23 QUARTERS/FOOTAGES: 2290' N line, 20' W line

QUADRANGLE: HEYWORTH LONGITUDE: -88.957742 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 40.262071 DATE COLLECTED: 1 / 10 / 1979

SURFACE ELEVATION (FT.): 740.0 LOGGED (FT.): 595.0 LOG TYPE: Drillers Log

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: GAMMA, DENS, RESIST. AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
740.0			UNCONSOLIDATED	381.0	0.0	
359.0	MODESTO		GRAY SHALE	7.0	381.0	
352.0	MODESTO		CALCAREOUS SANDSTONE	2.0	388.0	
350.0	MODESTO	WEST FRANKLIN	LIMESTONE	6.0	390.0	THICKNESS IS AVE. BETWEEN LOGS
344.0	MODESTO		BLACK SHALE	2.0	396.0	
342.0	MODESTO		SHALE	82.0	398.0	OFF GAMMA LOG
260.0	MODESTO		DARK SHALE & BLACK SHALE	5.0	480.0	
255.0	MODESTO		GRAY SHALE	9.0	485.0	
246.0	CARBONDALE	DANVILLE	COAL	2.8	494.0	AVE. BETWEEN LOG
243.2	CARBONDALE		SHALE/UNDERCLAY	7.2	496.8	
236.0	CARBONDALE		GRAY SHALE	10.0	504.0	
226.0	CARBONDALE	BRERETON	LIMESTONE	4.6	514.0	
221.4	CARBONDALE	ANNA	BLACK SHALE	1.5	518.6	
219.9	CARBONDALE	HERRIN	COAL	0.0	520.1	HERRIN COAL NOT PRESENT
219.9	CARBONDALE		GRAY SHALE	47.9	520.1	
172.0	CARBONDALE	ST. DAVID	LIMESTONE	1.5	568.0	AVE. BETWEEN LOGS
170.5	CARBONDALE	TURNER MINE	BLACK SHALE	3.8	569.5	AVE. BETWEEN LOGS
166.7	CARBONDALE	SPRINGFIELD	COAL	4.3	573.3	AVE. BETWEEN LOGS
162.5	CARBONDALE		GRAY SHALE	17.5	577.5	

MAPID: 03920687000C VERSION: 1

PROJECT: NCRDS88

COUNTY: DEWITT TWP/RNG: 21N 2E SECTION: 29 QUARTERS/FOOTAGES: 38' N line, 510' W line

QUADRANGLE: FUNKS GROVE LONGITUDE: -89.012919 GEOLOGIST: R. SMITH

CONFIDENTIAL: N LATITUDE: 40.253262 DATE COLLECTED: 1 / 5 / 1979

SURFACE ELEVATION (FT.): 739.0 LOGGED (FT.): 565.0 LOG TYPE: Multiple log types

SOURCE: MOBIL OIL CORP. WELL TYPE: Coal Test

COMMENT: GAMMA, DENS, RESIST, AND DRILLERS LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
739.0			UNCONSOLIDATED	382.0	0.0	
357.0	MODESTO		LIMESTONE	0.5	382.0	
356.5	MODESTO		GRAY SHALE	71.5	382.5	
285.0	MODESTO		DARK SHALE & BLACK SHALES	5.0	454.0	
280.0	CARBONDALE	DANVILLE	COAL	3.0	459.0	
277.0	CARBONDALE		SANDY SHALE	12.0	462.0	
265.0	CARBONDALE	BRERETON	LIMESTONE	6.4	474.0	
258.6	CARBONDALE	HERRIN	COAL	0.0	480.4	HERRIN COAL NOT PRESENT
258.6	CARBONDALE		GRAY SHALE	27.6	480.4	
231.0	CARBONDALE		SANDY SHALE	7.0	508.0	
224.0	CARBONDALE		GRAY SHALE	29.0	515.0	
195.0	CARBONDALE	TURNER MINE	BLACK SHALE	2.5	544.0	
192.5	CARBONDALE	SPRINGFIELD	COAL	4.5	546.5	
188.0	CARBONDALE		UNDERCLAY	5.0	551.0	
183.0	CARBONDALE		LIMESTONE	1.5	556.0	
181.5	CARBONDALE		GRAY SHALE	8.5	557.5	