

# Status Report

**Total Records: 25**

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
Warren	25	Drillers Log	22	COLCHESTER	13	COLCHESTER COAL	13
		Survey Core Study	3	ROCK ISLAND	9	ROCK ISLAND COAL	9
				COLCHESTER	1	MECCA QUARRY BLACK SHALE	5

## 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
<b>MECCA QUARRY</b>	SHALE	<b>57.3</b>	28.0	77.8	<b>2.4</b>	0.7	7.0
<b>FRANCIS CREEK</b>	SANDSTONE	<b>53.5</b>	28.8	78.5	<b>3.9</b>	3.0	6.5
<b>COLCHESTER</b>	COAL	<b>59.7</b>	20.0	120.0	<b>2.7</b>	1.0	7.0
<b>SEVILLE</b>	LIMESTONE	<b>11.0</b>	11.0	11.0	<b>3.0</b>	3.0	3.0
<b>ROCK ISLAND</b>	COAL	<b>81.5</b>	14.0	141.5	<b>2.7</b>	0.2	4.0
				<b>Net Coal</b>	<b>5.4</b>		

## 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:** 18700018000C    **VERSION:** 1    **PROJECT:** NCRDS87  
**COUNTY:** WARREN    **TWP/RNG:** 8N 1W    **SECTION:** 14    **QUARTERS/FOOTAGES:** NE  
**QUADRANGLE:** AVON    **LONGITUDE:** -90.468199    **GEOLOGIST:** WEIBEL  
**CONFIDENTIAL:** N    **LATITUDE:** 40.682531    **DATE COLLECTED:** 8 / 7 / 1920  
**SURFACE ELEVATION (FT.):** 635.0    **LOGGED (FT.):** 75.0    **LOG TYPE:** Drillers Log  
**SOURCE:** BREFFNI OIL & GAS CORP.    **WELL TYPE:** Producer-Oil and Gas  
**COMMENT:** LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
635.0			UNCONSOLIDATED	18.0	0.0	
617.0	CARBONDALE		UNCLASSIFIED	2.0	18.0	
615.0	CARBONDALE	COLCHESTER	COAL	1.0	20.0	UNCERTAIN CORRELATION
614.0	SPOON		DARK SHALE	29.0	21.0	
585.0	SPOON		LIMESTONE	8.0	50.0	
577.0	SPOON		UNCLASSIFIED	2.0	58.0	
575.0	SPOON	ROCK ISLAND	COAL	3.0	60.0	UNCERTAIN CORRELATION
572.0	ABBOTT		BLACK SHALE	12.0	63.0	
560.0			UNCLASSIFIED	0.0	75.0	

MAPID: 18700024000C    VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN    TWP/RNG: 8N 2W    SECTION: 17    QUARTERS/FOOTAGES: NW SW NW

QUADRANGLE: ROSEVILLE    LONGITUDE: -90.653211    GEOLOGIST: WEIBEL

CONFIDENTIAL: N    LATITUDE: 40.685202    DATE COLLECTED:

SURFACE ELEVATION (FT.): 730.0    LOGGED (FT.): 143.0    LOG TYPE: Drillers Log

SOURCE: JO SIMPSON,DRILLER    WELL TYPE: Mine Shaft

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
730.0			UNCONSOLIDATED	10.0	0.0	
720.0	CARBONDALE		UNCLASSIFIED	60.0	10.0	
660.0	CARBONDALE	COLCHESTER	COAL	2.5	70.0	UNCERTAIN CORRELATION
657.5	SPOON		SHALE	33.0	72.5	
624.5	SPOON		COAL	2.0	105.5	
622.5	SPOON		UNDERCLAY	2.0	107.5	
620.5	SPOON		COAL	2.0	109.5	
618.5	SPOON		UNCLASSIFIED	30.0	111.5	
588.5	SPOON	ROCK ISLAND	COAL	1.5	141.5	UNCERTAIN CORRELATION

MAPID: 18700029000C    VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN    TWP/RNG: 8N 3W    SECTION: 14    QUARTERS/FOOTAGES: NW NE NW

QUADRANGLE: ROSEVILLE    LONGITUDE: -90.705121    GEOLOGIST: WEIBEL

CONFIDENTIAL: N    LATITUDE: 40.68991    DATE COLLECTED:

SURFACE ELEVATION (FT.): 765.0    LOGGED (FT.): 70.0    LOG TYPE: Drillers Log

SOURCE: E.C. JOHNSTON (FARM)    WELL TYPE: Coal Test

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
765.0			UNCONSOLIDATED	40.0	0.0	
725.0	CARBONDALE		SHALE	28.0	40.0	
697.0	CARBONDALE	COLCHESTER	COAL	2.0	68.0	UNCERTAIN CORRELATION

MAPID: 18700030000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 8N 3W SECTION: 30 QUARTERS/FOOTAGES: 1' N line, 660' E line of SE SW

QUADRANGLE: RARITAN

LONGITUDE: -90.782088

GEOLOGIST: WEIBEL

CONFIDENTIAL: N

LATITUDE: 40.653121

DATE COLLECTED: 0 / 0 / 1917

SURFACE ELEVATION (FT.): 783.0

LOGGED (FT.): 91.0

LOG TYPE: Drillers Log

SOURCE: ALLMAN (FARM)

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
783.0			UNCONSOLIDATED	67.0	0.0	
716.0	CARBONDALE		SHALE	10.0	67.0	
706.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	7.0	77.0	
699.0	CARBONDALE	COLCHESTER	COAL	3.5	84.0	
695.5	SPOON		UNDERCLAY	3.5	87.5	

MAPID: 18700036000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 9N 2W SECTION: 10 QUARTERS/FOOTAGES: NE NW SW

QUADRANGLE: BERWICK

LONGITUDE: -90.611634

GEOLOGIST: WEIBEL

CONFIDENTIAL: N

LATITUDE: 40.781918

DATE COLLECTED: 0 / 0 / 1917

SURFACE ELEVATION (FT.): 720.0

LOGGED (FT.): 161.0

LOG TYPE: Drillers Log

SOURCE: W.H. BROOKS (FARM)

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
720.0			UNCONSOLIDATED	50.0	0.0	
670.0	SPOON		UNCLASSIFIED	3.0	50.0	
667.0	SPOON		COAL	0.5	53.0	
666.5	SPOON		UNDERCLAY	4.5	53.5	
662.0	SPOON		UNCLASSIFIED	12.0	58.0	
650.0	SPOON	ROCK ISLAND	COAL	3.0	70.0	UNCERTAIN CORRELATION
647.0	ABBOTT		UNDERCLAY	20.0	73.0	

MAPID: 18720941000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 9N 3W SECTION: 3 QUARTERS/FOOTAGES: 1' S line, 1' W line of SW NW

QUADRANGLE: KIRKWOOD EAST LONGITUDE: -90.730587 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 40.798824 DATE COLLECTED: 0 / 0 / 1968

SURFACE ELEVATION (FT.): 713.8 LOGGED (FT.): 46.1 LOG TYPE: Survey Core Study

SOURCE: NEW JERSEY ZINC CO. WELL TYPE: Mineral Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
713.8			UNCONSOLIDATED	39.0	0.0	
674.8			BLACK SHALE	4.2	39.0	
670.6			SANDSTONE	2.9	43.2	
667.7			UNCLASSIFIED	0.0	46.1	

MAPID: 18700056000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 9N 3W SECTION: 27 QUARTERS/FOOTAGES: SW

QUADRANGLE: ROSEVILLE LONGITUDE: -90.726398 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 40.736745 DATE COLLECTED:

SURFACE ELEVATION (FT.): 750.0 LOGGED (FT.): 92.0 LOG TYPE: Drillers Log

SOURCE: PARRISH (FARM) WELL TYPE: Coal Test

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
750.0			UNCONSOLIDATED	28.0	0.0	
722.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	0.8	28.0	
721.2	CARBONDALE	FRANCIS CREEK	UNCLASSIFIED	3.0	28.8	
718.2	CARBONDALE	COLCHESTER	COAL	2.2	31.8	
716.0	SPOON		UNCLASSIFIED	26.0	34.0	
690.0	SPOON		BLACK SHALE	10.0	60.0	
680.0	SPOON		UNCLASSIFIED	10.0	70.0	
670.0	SPOON	ROCK ISLAND	COAL	4.0	80.0	UNCERTAIN CORRELATION
666.0	ABBOTT		CLAYSTONE	8.0	84.0	

MAPID: 18700057000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 10N 1W SECTION: 16 QUARTERS/FOOTAGES: 10' N line, 50' W line of SW

QUADRANGLE: BERWICK LONGITUDE: -90.5186 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 40.853547 DATE COLLECTED: 8 / 0 / 1941

SURFACE ELEVATION (FT.): 745.0 LOGGED (FT.): 183.0 LOG TYPE: Drillers Log

SOURCE: C.L. JENNNINGS WELL TYPE: Producer-Oil and Gas

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
745.0			UNCONSOLIDATED	80.0	0.0
665.0	SPOON		SHALE	18.7	80.0
646.3	SPOON		SANDSTONE	4.3	98.7
642.0	SPOON		SHALE	30.0	103.0
612.0	SPOON	ROCK ISLAND	COAL	2.0	133.0
610.0	ABBOTT		UNCLASSIFIED	48.0	135.0

MAPID: 18720943000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 10N 1W SECTION: 21 QUARTERS/FOOTAGES: SW NW NW SW

QUADRANGLE: BERWICK LONGITUDE: -90.518414 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 40.837747 DATE COLLECTED: 0 / 0 / 1968

SURFACE ELEVATION (FT.): 740.2 LOGGED (FT.): 131.3 LOG TYPE: Survey Core Study

SOURCE: NEW JERSEY ZINC CO. WELL TYPE: Mineral Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
740.2			UNCONSOLIDATED	104.0	0.0
636.2			SILTSTONE	0.5	104.0
635.7			UNCERTAIN	7.2	104.5
628.5			COAL	0.4	111.7
628.1			DARK SHALE	9.4	112.1
618.7			COAL	0.5	121.5
618.2			BLACK SHALE	1.1	122.0
617.1			DARK SHALE	1.9	123.1
615.2			LIMESTONE	4.0	125.0
611.2			SHALE	2.3	129.0
608.9			UNCLASSIFIED	0.0	131.3

MAPID: 18720940000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 10N 2W SECTION: 22 QUARTERS/FOOTAGES: 1' N line, 1' W line of SW SW NW

QUADRANGLE: BERWICK

LONGITUDE: -90.613724

GEOLOGIST: WEIBEL

CONFIDENTIAL: N

LATITUDE: 40.843524

DATE COLLECTED: 0 / 0 / 1968

SURFACE ELEVATION (FT.): 769.9

LOGGED (FT.): 109.8

LOG TYPE: Survey Core Study

SOURCE: NEW JERSEY ZINC CO.

WELL TYPE: Mineral Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
769.9			UNCONSOLIDATED	85.0	0.0
684.9			SANDSTONE	4.3	85.0
680.6			COAL	0.3	89.3
680.2			SHALE	1.9	89.7
678.3			SILTSTONE	10.4	91.6
667.9			COAL	0.4	102.0
667.5			SHALE	0.3	102.4
667.1			COAL	0.5	102.8
666.6			UNCERTAIN	2.7	103.3
664.0			BLACK SHALE	3.0	105.9
661.0			SHALE	0.9	108.9
660.1			UNCLASSIFIED	0.0	109.8

MAPID: 18721813000C VERSION: 1

PROJECT: NCRDS95

COUNTY: WARREN TWP/RNG: 10N 3W SECTION: 31 QUARTERS/FOOTAGES: 40' S line, 1540' E line

QUADRANGLE: KIRKWOOD WEST

LONGITUDE: -90.774677

GEOLOGIST: KOROSE

CONFIDENTIAL: N

LATITUDE: 40.806693

DATE COLLECTED: 4 / 28 / 1939

SURFACE ELEVATION (FT.):

LOGGED (FT.): 46.0

LOG TYPE: Drillers Log

SOURCE: PITTSBURG & MIDWAY 6-Y

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-	PLEISTOCENE		CLAY	23.0	0.0
-			SHALE	3.0	23.0
-			BLACK SHALE	1.5	26.0
-			UNDERCLAY	0.5	27.5
-			SANDY SHALE	3.0	28.0
-			BLACK SHALE	0.3	31.0
-			COAL	0.3	31.3
-			SANDY SHALE	5.4	31.6
-			BLUE SHALE	8.0	37.0
-			SANDSTONE	1.0	45.0 BLUE

MAPID: 18700068000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 10N 3W SECTION: 33 QUARTERS/FOOTAGES: NW SE SW

QUADRANGLE: KIRKWOOD EAST LONGITUDE: -90.743656 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 40.809128 DATE COLLECTED:

SURFACE ELEVATION (FT.): 695.0 LOGGED (FT.): 17.0 LOG TYPE: Drillers Log

SOURCE: HALL (FARM) WELL TYPE: Mine Shaft

COMMENT: IMPRECISE LOCATION AND ELEVATION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
695.0			UNCONSOLIDATED	11.0	0.0	
684.0	SPOON	SEVILLE	LIMESTONE	3.0	11.0	
681.0	SPOON	ROCK ISLAND	COAL	3.0	14.0	

MAPID: 18721812000C VERSION: 1

PROJECT: NCRDS95

COUNTY: WARREN TWP/RNG: 10N 3W SECTION: 33 QUARTERS/FOOTAGES: 678' S line, 940' W line

QUADRANGLE: KIRKWOOD EAST LONGITUDE: -90.746248 GEOLOGIST: KOROSE

CONFIDENTIAL: N LATITUDE: 40.808262 DATE COLLECTED: 4 / 28 / 1939

SURFACE ELEVATION (FT.): LOGGED (FT.): 29.0 LOG TYPE: Drillers Log

SOURCE: PITTSBURG & MIDWAY 5-Y WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		CLAY	23.0	0.0	
-			BLACK SHALE	1.3	23.0	
-	SPOON	ROCK ISLAND	COAL	0.2	24.3	CORRELATION UNCERTAIN
-			UNDERCLAY	3.6	24.4	
-			ROCK	1.0	28.0	HARD; BLUE



MAPID: 18700071000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 11N 1W SECTION: 6 QUARTERS/FOOTAGES: SW SE SW

QUADRANGLE: CAMERON LONGITUDE: -90.549432 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 40.964157 DATE COLLECTED: 10 / 27 / 1921

SURFACE ELEVATION (FT.): 750.0 LOGGED (FT.): 124.0 LOG TYPE: Drillers Log

SOURCE: JOHNSON WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
750.0			UNCONSOLIDATED	61.8	0.0
688.2	CARBONDALE		UNCLASSIFIED	16.0	61.8
672.2	CARBONDALE	MECCA QUARRY	BLACK SHALE	0.7	77.8
671.5	CARBONDALE	FRANCIS CREEK	UNCLASSIFIED	6.5	78.5
665.0	CARBONDALE	COLCHESTER	COAL	2.0	85.0
663.0	SPOON		CLAYSTONE	6.0	87.0
657.0	SPOON		UNCLASSIFIED	11.0	93.0
646.0	SPOON		SANDSTONE	4.0	104.0
642.0	SPOON		LIMESTONE	0.8	108.0
641.2	CARBONDALE		COAL	1.1	108.8
640.2	CARBONDALE		SANDSTONE	14.2	109.8

MAPID: 18700094000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN TWP/RNG: 11N 2W SECTION: 36 QUARTERS/FOOTAGES: SW NW NE

QUADRANGLE: CAMERON LONGITUDE: -90.562846 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 40.901992 DATE COLLECTED:

SURFACE ELEVATION (FT.): 740.0 LOGGED (FT.): 143.0 LOG TYPE: Drillers Log

SOURCE: J.R.BOYDSON WELL TYPE: Coal Test

COMMENT: LOCATION IMPRECISE, ELEVATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
740.0			UNCONSOLIDATED	25.0	0.0
715.0	CARBONDALE	COLCHESTER	COAL	2.5	25.0
712.5	SPOON		UNDERCLAY	42.5	27.5
670.0	SPOON		SANDSTONE	73.0	70.0

**MAPID:** 18770001000C    **VERSION:** 1    **PROJECT:** NCRDS  
**COUNTY:** WARREN    **TWP/RNG:** 12N 1W    **SECTION:** 10    **QUARTERS/FOOTAGES:** 690' N line, 2100' E line  
**QUADRANGLE:** NORTH HENDERSON    **LONGITUDE:** -90.485765    **GEOLOGIST:** LOUCHIOS  
**CONFIDENTIAL:** N    **LATITUDE:** 41.047527    **DATE COLLECTED:** 0 / 0 / 1978  
**SURFACE ELEVATION (FT.):** 742.0    **LOGGED (FT.):** 405.0    **LOG TYPE:** Drillers Log  
**SOURCE:** UTAH INTERNATIONAL    21082    **WELL TYPE:** Coal Test  
**COMMENT:** CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
742.0			NO RECORD	75.0	0.0	
667.0	CARBONDALE		SHALE	27.0	75.0	
640.0	CARBONDALE	COLCHESTER	COAL	7.0	102.0	
633.0			SHALE	198.0	109.0	
435.0			LIMESTONE	98.0	307.0	

**MAPID:** 18770000000C    **VERSION:** 1    **PROJECT:** NCRDS  
**COUNTY:** WARREN    **TWP/RNG:** 12N 1W    **SECTION:** 13    **QUARTERS/FOOTAGES:** 1950' N line, 800' E line  
**QUADRANGLE:** NORTH HENDERSON    **LONGITUDE:** -90.443206    **GEOLOGIST:** LOUCHIOS  
**CONFIDENTIAL:** N    **LATITUDE:** 41.029162    **DATE COLLECTED:** 0 / 0 / 1976  
**SURFACE ELEVATION (FT.):** 700.0    **LOGGED (FT.):** 125.0    **LOG TYPE:** Drillers Log  
**SOURCE:** UTAH INTERNATIONAL    20954    **WELL TYPE:** Coal Test  
**COMMENT:** CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
700.0			NO RECORD	20.0	0.0	
680.0	CARBONDALE		SANDSTONE	38.0	20.0	
642.0	CARBONDALE		SHALE	62.0	58.0	
580.0	CARBONDALE	COLCHESTER	COAL	5.0	120.0	

**MAPID:** 18721814000C    **VERSION:** 1    **PROJECT:** NCRDS95  
**COUNTY:** WARREN    **TWP/RNG:** 12N 1W    **SECTION:** 19    **QUARTERS/FOOTAGES:** 1' S line, 2570' E line  
**QUADRANGLE:** ALEXIS    **LONGITUDE:** -90.545096    **GEOLOGIST:** KOROSE  
**CONFIDENTIAL:** N    **LATITUDE:** 41.006947    **DATE COLLECTED:** 3 / 1 / 1945  
**SURFACE ELEVATION (FT.):**    **LOGGED (FT.):** 40.5    **LOG TYPE:** Drillers Log  
**SOURCE:** PITTSBURG & MIDWAY    576    **WELL TYPE:** Coal Test  
**COMMENT:**

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		CLAY	35.0	0.0	
-	CARBONDALE	COLCHESTER	CLAY & COAL	1.0	35.0	TOP OF COAL ERODED
-	CARBONDALE	COLCHESTER	COAL	1.5	36.0	SHELLY
-			SANDSTONE	3.0	37.5	

MAPID: 18721815000C VERSION: 1

PROJECT: NCRDS95

COUNTY: WARREN TWP/RNG: 12N 1W SECTION: 19 QUARTERS/FOOTAGES: 1' S line, 1420' E line  
 QUADRANGLE: ALEXIS LONGITUDE: -90.540911 GEOLOGIST: KOROSE  
 CONFIDENTIAL: N LATITUDE: 41.006895 DATE COLLECTED: 3 / 1 / 1945  
 SURFACE ELEVATION (FT.): LOGGED (FT.): 82.0 LOG TYPE: Drillers Log  
 SOURCE: PITTSBURG & MIDWAY 577 WELL TYPE: Coal Test  
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		CLAY	22.0	0.0	
-	CARBONDALE	COLCHESTER	COAL	1.0	22.0	STAINS, TOP OF COAL ERODED
-			SANDSTONE	7.0	23.0	
-			CLAYSTONE & SILTSTONE	8.0	30.0	LIGHT
-			LIMESTONE	1.0	38.0	
-			DARK SHALE	12.0	39.0	
-			LIGHT SHALE	25.0	51.0	SANDY AT BASE
-			SANDSTONE	6.0	76.0	GRAY

MAPID: 18721816000C VERSION: 1

PROJECT: NCRDS95

COUNTY: WARREN TWP/RNG: 12N 1W SECTION: 30 QUARTERS/FOOTAGES: 2640' N line, 200' W line  
 QUADRANGLE: CAMERON LONGITUDE: -90.552181 GEOLOGIST: KOROSE  
 CONFIDENTIAL: N LATITUDE: 40.999752 DATE COLLECTED: 3 / 3 / 1945  
 SURFACE ELEVATION (FT.): LOGGED (FT.): 72.1 LOG TYPE: Drillers Log  
 SOURCE: PITTSBURG & MIDWAY 578 WELL TYPE: Coal Test  
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		CLAY	33.0	0.0	
-	CARBONDALE		BLUE SHALE	7.0	33.0	SOFT
-	CARBONDALE	MECCA QUARRY	BLACK SHALE	1.8	40.0	
-	CARBONDALE	FRANCIS CREEK	CLAYSTONE & SILTSTONE	3.2	41.8	GRAY
-	CARBONDALE	COLCHESTER	COAL	2.1	45.0	HARD
-	SPOON		UNDERCLAY	10.0	47.1	
-	SPOON		SANDY CLAYSTONE	15.0	57.1	

**MAPID:** 18721817000C    **VERSION:** 1    **PROJECT:** NCRDS95  
**COUNTY:** WARREN    **TWP/RNG:** 12N 1W    **SECTION:** 30    **QUARTERS/FOOTAGES:** 1' N line, 200' W line  
**QUADRANGLE:** ALEXIS    **LONGITUDE:** -90.552143    **GEOLOGIST:** KOROSE  
**CONFIDENTIAL:** N    **LATITUDE:** 41.007026    **DATE COLLECTED:**  
**SURFACE ELEVATION (FT.):**    **LOGGED (FT.):** 50.0    **LOG TYPE:** Drillers Log  
**SOURCE:** PITTSBURG & MIDWAY    584    **WELL TYPE:** Coal Test  
**COMMENT:**

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		CLAY & GRAVEL	30.0	0.0	
-			SANDSTONE	20.0	30.0	SOFT

**MAPID:** 18721818000C    **VERSION:** 1    **PROJECT:** NCRDS95  
**COUNTY:** WARREN    **TWP/RNG:** 12N 1W    **SECTION:** 31    **QUARTERS/FOOTAGES:** 2640' N line, 100' W line  
**QUADRANGLE:** CAMERON    **LONGITUDE:** -90.552668    **GEOLOGIST:** KOROSE  
**CONFIDENTIAL:** N    **LATITUDE:** 40.985407    **DATE COLLECTED:** 3 / 8 / 1945  
**SURFACE ELEVATION (FT.):**    **LOGGED (FT.):** 71.0    **LOG TYPE:** Drillers Log  
**SOURCE:** PITTSBURG & MIDWAY    583    **WELL TYPE:** Coal Test  
**COMMENT:**

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		CLAY	38.0	0.0	
-	CARBONDALE		LIGHT SHALE	15.0	38.0	
-	CARBONDALE		GRAY SHALE	10.5	53.0	
-	CARBONDALE	MECCA QUARRY	BLACK SHALE	1.5	63.5	
-	CARBONDALE	FRANCIS CREEK	SHALEY CLAYSTONE	3.0	65.0	LIGHT
-	CARBONDALE	COLCHESTER	COAL	1.8	68.0	
-	SPOON		UNDERCLAY	1.3	69.8	

**MAPID:** 18700008000C    **VERSION:** 1    **PROJECT:** NCRDS87  
**COUNTY:** WARREN    **TWP/RNG:** 12N 1W    **SECTION:** 34    **QUARTERS/FOOTAGES:** SE SE NE  
**QUADRANGLE:** GALESBURG WEST    **LONGITUDE:** -90.479871    **GEOLOGIST:** WEIBEL  
**CONFIDENTIAL:** N    **LATITUDE:** 40.985174    **DATE COLLECTED:** 7 / 24 / 1923  
**SURFACE ELEVATION (FT.):** 750.0    **LOGGED (FT.):** 140.0    **LOG TYPE:** Drillers Log  
**SOURCE:** E.ST.GEORGE (DRILLER)    **WELL TYPE:** Coal Test  
**COMMENT:** LOCATION AND ELEVATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
750.0			UNCONSOLIDATED	80.0	0.0	
670.0	SPOON		UNCLASSIFIED	55.0	80.0	
615.0	SPOON		BLACK SHALE	1.0	135.0	
614.0	SPOON	ROCK ISLAND	COAL	4.0	136.0	

MAPID: 18700012000C VERSION: 1

PROJECT: NCRDS87

COUNTY: WARREN

TWP/RNG: 12N 2W

SECTION: 24

QUARTERS/FOOTAGES: NE SW SE NE

QUADRANGLE: ALEXIS

LONGITUDE: -90.555652

GEOLOGIST: WEIBEL

CONFIDENTIAL: N

LATITUDE: 41.015303

DATE COLLECTED: 0 / 0 / 1926

SURFACE ELEVATION (FT.): 717.0

LOGGED (FT.): 79.0

LOG TYPE: Drillers Log

SOURCE: CLARK LAIR (FARM)

WELL TYPE: Coal Test

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
717.0			UNCONSOLIDATED	63.0	0.0	
654.0	SPOON		UNCLASSIFIED	12.0	63.0	
642.0	SPOON	ROCK ISLAND	COAL	4.0	75.0	

MAPID: 18721819000C VERSION: 1

PROJECT: NCRDS95

COUNTY: WARREN

TWP/RNG: 12N 2W

SECTION: 35

QUARTERS/FOOTAGES: 2640' N line, 2640' E line

QUADRANGLE: CAMERON

LONGITUDE: -90.581508

GEOLOGIST: KOROSE

CONFIDENTIAL: N

LATITUDE: 40.985616

DATE COLLECTED: 3 / 5 / 1945

SURFACE ELEVATION (FT.):

LOGGED (FT.): 62.0

LOG TYPE: Drillers Log

SOURCE: PITTSBURG & MIDWAY 580

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		CLAY	26.0	0.0	
-			SANDSTONE	28.0	26.0	
-			SANDY SHALE	4.0	54.0	
-			COAL	0.5	58.0	STAINS
-			SANDY CLAYSTONE	3.5	58.5	