

# Status Report



**Total Records: 19**

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
Mercer	19	Drillers Log	14	ROCK ISLAND	16	ROCK ISLAND COAL	16
		Survey Sample Study	3	COLCHESTER	11	COLCHESTER COAL	11
		Survey Core Study	2		0	COLCHESTER BLACK SHALE	2

## 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
OAK GROVE	LIMESTONE	71.5	71.5	71.5	1.5	1.5	1.5
MECCA QUARRY	SHALE	73.0	73.0	73.0	7.3	7.3	7.3
COLCHESTER	COAL	93.1	50.0	179.0	1.6	0.8	3.0
SEVILLE	LIMESTONE	164.0	151.0	177.0	1.5	1.0	2.0
ROCK ISLAND	COAL	126.5	23.6	228.0	2.6	0.8	4.6
				<b>Net Coal</b>	<b>4.2</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:** 13170006000C    **VERSION:** 1    **PROJECT:** NCRDS  
**COUNTY:** MERCER    **TWP/RNG:** 13N 1W    **SECTION:** 14    **QUARTERS/FOOTAGES:** 1800' N line, 20' W line  
**QUADRANGLE:** NORTH HENDERSON    **LONGITUDE:** -90.476812    **GEOLOGIST:** LOUCHIOS  
**CONFIDENTIAL:** N    **LATITUDE:** 41.117516    **DATE COLLECTED:** 0 / 0 / 1977  
**SURFACE ELEVATION (FT.):** 740.0    **LOGGED (FT.):** 480.0    **LOG TYPE:** Drillers Log  
**SOURCE:** UTAH INTERNATIONAL    20848    **WELL TYPE:** Coal Test  
**COMMENT:** CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
740.0			NO RECORD	83.0	0.0	
657.0			SHALE	32.0	83.0	
625.0			SANDSTONE	18.0	115.0	
607.0			SHALE	49.0	133.0	
558.0	TRADEWATER	ROCK ISLAND	COAL	3.0	182.0	UNCERTAIN CORRELATION
555.0			SHALE	74.0	185.0	
481.0			SANDSTONE	15.0	259.0	
466.0			SHALE	39.0	274.0	
427.0			LIMESTONE	167.0	313.0	

MAPID: 13120778000C    VERSION: 1

PROJECT: NCRDS87

COUNTY: MERCER    TWP/RNG: 13N 1W    SECTION: 25    QUARTERS/FOOTAGES: 1' N line, 1' W line of NW SW

QUADRANGLE: NORTH HENDERSON    LONGITUDE: -90.45841    GEOLOGIST: WEIBEL

CONFIDENTIAL: N    LATITUDE: 41.085712    DATE COLLECTED: 0 / 0 / 1968

SURFACE ELEVATION (FT.): 763.3    LOGGED (FT.): 273.5    LOG TYPE: Survey Core Study

SOURCE: NEW JERSEY ZINC COMPANY    WELL TYPE: Mineral Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
723.3	CARBONDALE		SHALE	20.7	40.0	
702.6	CARBONDALE		LIMESTONE	0.4	60.7	
702.2	CARBONDALE		SHALE	8.4	61.1	
693.8	CARBONDALE		BLACK SHALE	2.0	69.5	
691.8	CARBONDALE	OAK GROVE	LIMESTONE	1.5	71.5	
690.3	CARBONDALE	MECCA QUARRY	BLACK SHALE	7.3	73.0	
683.0	CARBONDALE	COLCHESTER	COAL	0.5	80.3	
682.5	CARBONDALE		BLACK SHALE	0.5	80.8	
682.0	CARBONDALE	COLCHESTER	COAL	0.6	81.3	
681.4	CARBONDALE		BLACK SHALE	0.8	81.9	
680.7	CARBONDALE	COLCHESTER	COAL	0.3	82.6	
680.4	SPOON		GRAY SHALE	3.3	82.9	
677.1			SILTSTONE	8.8	86.2	
668.4			DARK SHALE	14.3	94.9	
654.1			GRAY SHALE	2.7	109.2	
651.4			COAL	0.2	111.9	
651.3			SILTSTONE	15.9	112.0	
635.4			SHALE	5.0	127.9	
630.4			SILTSTONE	1.4	132.9	
629.0			BLACK SHALE	4.8	134.3	
624.3	SPOON	ROCK ISLAND	COAL	1.5	139.0	UNCERTAIN CORRELATION
622.8	ABBOTT		SHALE	14.1	140.5	
608.7	ABBOTT		SILTSTONE	37.5	154.6	
571.2	ABBOTT		DARK SHALE	33.1	192.1	
538.1	ABBOTT		BLACK SHALE	5.5	225.2	
532.7	ABBOTT		SHALE	9.7	230.6	
523.0	ABBOTT		DARK SHALE	11.0	240.3	
512.0	ABBOTT		SILTSTONE	21.5	251.3	
490.6	ABBOTT		CONGLOMERATE	0.8	272.7	
489.8			UNCLASSIFIED	0.0	273.5	

MAPID: 13170007000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 13N 1W SECTION: 25 QUARTERS/FOOTAGES: 2340' S line, 750' W line

QUADRANGLE: NORTH HENDERSON LONGITUDE: -90.455685 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.084796 DATE COLLECTED: 0 / 0 / 1968

SURFACE ELEVATION (FT.): 763.0 LOGGED (FT.): 595.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 20778 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
763.0			UNCLASSIFIED	80.2	0.0
682.8	CARBONDALE	COLCHESTER	COAL	0.6	80.2
682.2	CARBONDALE	COLCHESTER	BLACK SHALE	0.5	80.8
681.7	CARBONDALE	COLCHESTER	COAL	0.5	81.3
681.2	CARBONDALE	COLCHESTER	BLACK SHALE	0.8	81.8
680.4	CARBONDALE	COLCHESTER	COAL	0.3	82.6
680.1			UNCLASSIFIED	29.0	82.9
651.1			COAL	0.1	111.9
651.0			UNCLASSIFIED	27.0	112.0
624.0			COAL	1.5	139.0
622.5			UNCLASSIFIED	454.5	140.5

MAPID: 13170008000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 13N 1W SECTION: 26 QUARTERS/FOOTAGES: 1980' N line, 1310' W line

QUADRANGLE: NORTH HENDERSON LONGITUDE: -90.472412 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.087508 DATE COLLECTED: 0 / 0 / 1957

SURFACE ELEVATION (FT.): 760.0 LOGGED (FT.): 710.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 173 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
760.0			NO RECORD	70.0	0.0
690.0	CARBONDALE		BLACK SHALE	39.0	70.0
651.0	CARBONDALE		SHALE	3.0	109.0
648.0	CARBONDALE	COLCHESTER	COAL	3.0	112.0
645.0			SHALE	50.0	115.0
595.0			COAL	1.0	165.0
594.0			SHALE	23.0	166.0
571.0			SANDY SHALE	11.0	189.0
560.0			SHALE	125.0	200.0
435.0			LIMESTONE	315.0	325.0
120.0			SHALE	70.0	640.0

MAPID: 13170001000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 14N 1W SECTION: 22 QUARTERS/FOOTAGES: 120' S line, 100' E line  
 QUADRANGLE: NEW WINDSOR LONGITUDE: -90.475684 GEOLOGIST: LOUCHIOS  
 CONFIDENTIAL: N LATITUDE: 41.181218 DATE COLLECTED: 0 / 0 / 1975  
 SURFACE ELEVATION (FT.): 750.0 LOGGED (FT.): 150.0 LOG TYPE: Drillers Log  
 SOURCE: UTAH INTERNATIONAL 20755 WELL TYPE: Coal Test  
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
750.0			NO RECORD	83.0	0.0	
667.0			SANDSTONE	2.0	83.0	
665.0			SHALE	10.0	85.0	
655.0			SHALE/SANDSTONE/LIMES TONE	18.0	95.0	
637.0	TRADEWATER	ROCK ISLAND	COAL	4.0	113.0	
633.0			SANDSTONE	33.0	117.0	

MAPID: 13100002000C VERSION: 1

PROJECT: NCRDS87

COUNTY: MERCER TWP/RNG: 14N 1W SECTION: 25 QUARTERS/FOOTAGES: NE NE SE  
 QUADRANGLE: NEW WINDSOR LONGITUDE: -90.438428 GEOLOGIST: WEIBEL  
 CONFIDENTIAL: N LATITUDE: 41.172386 DATE COLLECTED: 0 / 0 / 1925  
 SURFACE ELEVATION (FT.): 816.0 LOGGED (FT.): 216.0 LOG TYPE: Drillers Log  
 SOURCE: OXFORD COAL CO. #2 WELL TYPE: Coal Test  
 COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
816.0			UNCONSOLIDATED	70.0	0.0	
746.0	CARBONDALE		GRAY SHALE	21.0	70.0	
725.0	CARBONDALE		DARK SHALE	7.0	91.0	
718.0	CARBONDALE	COLCHESTER	COAL	1.0	98.0	
717.0	SPOON		SHALE	80.0	99.0	
637.0	SPOON		SANDSTONE	0.0	179.0	
637.0	SPOON		UNCLASSIFIED	7.0	179.0	
630.0	SPOON		COAL	2.0	186.0	
628.0	SPOON		UNDERCLAY	3.0	188.0	
625.0	SPOON		UNCLASSIFIED	19.0	191.0	
606.0	SPOON		BLACK SHALE	0.5	210.0	
605.5	SPOON	ROCK ISLAND	COAL	4.1	210.5	
601.4	ABBOTT		UNCLASSIFIED	1.4	214.6	

MAPID: 13100004000C    VERSION: 1

PROJECT: NCRDS87

COUNTY: MERCER    TWP/RNG: 14N 1W    SECTION: 35    QUARTERS/FOOTAGES: 200' N line, 1222' E line of SE

QUADRANGLE: NEW WINDSOR

LONGITUDE: -90.461014

GEOLOGIST: WEIBEL

CONFIDENTIAL: N

LATITUDE: 41.158294

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 780.0

LOGGED (FT.): 446.0

LOG TYPE: Survey Sample Study

SOURCE: LARSON & SWANSON

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
700.0	SPOON		BLACK SHALE	5.0	80.0	
695.0	SPOON		LIMESTONE	3.0	85.0	
692.0	SPOON		SANDSTONE	5.0	88.0	
687.0	SPOON		UNCLASSIFIED	84.0	93.0	
603.0	SPOON	SEVILLE	LIMESTONE	2.0	177.0	
601.0	SPOON	ROCK ISLAND	COAL	1.0	179.0	UNCERTAIN CORRELATION
600.0			UNCLASSIFIED	99.0	180.0	
501.0			SANDSTONE	6.0	279.0	
495.0			UNCLASSIFIED	20.0	285.0	
475.0			SILTSTONE	130.0	305.0	
345.0			SANDSTONE	11.0	435.0	
334.0			UNCLASSIFIED	0.0	446.0	

MAPID: 1317000000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 14N 1W SECTION: 35 QUARTERS/FOOTAGES: 2270' S line, 1180' E line

QUADRANGLE: NEW WINDSOR LONGITUDE: -90.460872 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.157829 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 780.0 LOGGED (FT.): 485.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 4 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
780.0			NO RECORD	80.0	0.0
700.0	CARBONDALE		BLACK SHALE	5.0	80.0
695.0	CARBONDALE		LIMESTONE	3.0	85.0
692.0	CARBONDALE		SANDSTONE	5.0	88.0
687.0	CARBONDALE		SHALE	12.0	93.0
675.0	CARBONDALE		SANDY SHALE	10.0	105.0
665.0	CARBONDALE		SHALE	15.0	115.0
650.0	CARBONDALE		GREEN SHALE	10.0	130.0
640.0	CARBONDALE		SHALE	10.0	140.0
630.0	CARBONDALE		GREEN SHALE	5.0	150.0
625.0	CARBONDALE		SANDY SHALE	22.0	155.0
603.0	CARBONDALE		LIMESTONE	2.0	177.0
601.0	CARBONDALE	COLCHESTER	COAL	1.0	179.0
600.0			SANDY SHALE	3.0	180.0
597.0			DARK SHALE	15.0	183.0
582.0			GREEN SHALE	17.0	198.0
565.0			SHALE	30.0	215.0
535.0			BLACK SHALE	10.0	245.0
525.0			GREEN SHALE	5.0	255.0
520.0			SHALE	5.0	260.0
515.0			SANDY SHALE	14.0	265.0
501.0			SANDSTONE	6.0	279.0
495.0			BLACK SHALE	5.0	285.0
490.0			SANDSTONE	15.0	290.0
475.0				130.0	305.0
345.0			SANDSTONE	11.0	435.0
334.0			LIMESTONE	39.0	446.0

MAPID: 13120781000C VERSION: 1

PROJECT: NCRDS87

COUNTY: MERCER TWP/RNG: 14N 2W SECTION: 2 QUARTERS/FOOTAGES: 1' S line, 1' E line of SW SE

QUADRANGLE: VIOLA LONGITUDE: -90.571741 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.22509 DATE COLLECTED: 0 / 0 / 1968

SURFACE ELEVATION (FT.): 667.5 LOGGED (FT.): 144.5 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	
646.5	SPOON		SILTSTONE	11.3	21.0	
635.2	SPOON		SHALE	23.5	32.3	
611.7	SPOON		SILTSTONE	3.3	55.8	
608.5	SPOON		SHALE	49.3	59.0	
559.2	SPOON	ROCK ISLAND	COAL	0.8	108.3	UNCERTAIN CORRELATION
558.4	ABBOTT		SILTSTONE	4.9	109.1	
553.5	ABBOTT		SHALE	13.2	114.0	
540.3	ABBOTT		SILTSTONE	5.6	127.2	
534.7	ABBOTT		SILTSTONE	11.8	132.8	
523.0			UNCLASSIFIED	0.0	144.5	

MAPID: 13100087000C VERSION: 1

PROJECT: NCRDS87

COUNTY: MERCER TWP/RNG: 15N 1W SECTION: 5 QUARTERS/FOOTAGES: NE NE SE

QUADRANGLE: MATHERVILLE LONGITUDE: -90.513421 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.320309 DATE COLLECTED: 0 / 0 / 1914

SURFACE ELEVATION (FT.): 790.0 LOGGED (FT.): 183.5 LOG TYPE: Drillers Log

SOURCE: COAL VALLEY MINING CO. WELL TYPE: Coal Test

COMMENT: LOCATION AND ELEVATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
790.0			UNCONSOLIDATED	119.0	0.0	
671.0	SPOON		UNCLASSIFIED	31.0	119.0	
640.0	SPOON		BLACK SHALE	1.0	150.0	
639.0	SPOON	SEVILLE	LIMESTONE	1.0	151.0	
638.0	SPOON		BLACK SHALE	1.0	152.0	
637.0	SPOON	ROCK ISLAND	COAL	1.0	153.0	
636.0	ABBOTT		UNDERCLAY	8.0	154.0	
628.0	ABBOTT		UNCLASSIFIED	2.0	162.0	
626.0	ABBOTT		LIMESTONE	5.0	164.0	
621.0	ABBOTT		UNCLASSIFIED	7.8	169.0	
613.2	ABBOTT		COAL	3.3	176.8	
610.0	ABBOTT		UNDERCLAY	3.5	180.0	



MAPID: 13170002000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 15N 1W SECTION: 13 QUARTERS/FOOTAGES: 1160' N line, 1230' W line  
 QUADRANGLE: ORION LONGITUDE: -90.450254 GEOLOGIST: LOUCHIOS  
 CONFIDENTIAL: N LATITUDE: 41.294254 DATE COLLECTED: 0 / 0 / 1972  
 SURFACE ELEVATION (FT.): 762.0 LOGGED (FT.): 460.0 LOG TYPE: Drillers Log  
 SOURCE: UTAH INTERNATIONAL 662 WELL TYPE: Coal Test  
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
762.0			NO RECORD	180.0	0.0	
582.0	TRADEWATER		SHALE & SANDSTONE	48.0	180.0	INTERBEDDED
534.0	TRADEWATER	ROCK ISLAND	COAL	2.0	228.0	
532.0	TRADEWATER		SHALE	40.0	230.0	
492.0			LIMESTONE	190.0	270.0	

MAPID: 13170003000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 15N 1W SECTION: 21 QUARTERS/FOOTAGES: 1800' S line, 250' E line  
 QUADRANGLE: ORION LONGITUDE: -90.494625 GEOLOGIST: LOUCHIOS  
 CONFIDENTIAL: N LATITUDE: 41.274099 DATE COLLECTED: 0 / 0 / 1972  
 SURFACE ELEVATION (FT.): 725.0 LOGGED (FT.): 354.0 LOG TYPE: Drillers Log  
 SOURCE: UTAH INTERNATIONAL 649 WELL TYPE: Coal Test  
 COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
725.0			NO RECORD	41.0	0.0	
684.0	TRADEWATER		SANDSTONE	2.0	41.0	
682.0	TRADEWATER		SHALE	32.0	43.0	
650.0	TRADEWATER	ROCK ISLAND	COAL	2.0	75.0	
648.0			SHALE	88.0	77.0	
560.0			LIMESTONE	189.0	165.0	

MAPID: 13170004000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 15N 1W SECTION: 22 QUARTERS/FOOTAGES: 400' N line, 1430' W line

QUADRANGLE: ORION LONGITUDE: -90.488289 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.282104 DATE COLLECTED: 0 / 0 / 1970

SURFACE ELEVATION (FT.): 740.0 LOGGED (FT.): 443.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 609 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
740.0			NO RECORD	45.0	0.0	
695.0	TRADEWATER		SHALE	83.0	45.0	
612.0	TRADEWATER		LIMESTONE	3.0	128.0	
609.0	TRADEWATER	ROCK ISLAND	COAL	1.0	131.0	
608.0			SHALE & SANDSTONE	262.0	132.0	INTERBEDDED
346.0			LIMESTONE	49.0	394.0	

MAPID: 13100091000C VERSION: 1

PROJECT: NCRDS87

COUNTY: MERCER TWP/RNG: 15N 1W SECTION: 23 QUARTERS/FOOTAGES: 100' N line, 300' W line of SE NW

QUADRANGLE: ORION LONGITUDE: -90.468125 GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.279152 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 710.0 LOGGED (FT.): 230.0 LOG TYPE: Survey Sample Study

SOURCE: LARSON & SWANSON WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
710.0			UNCONSOLIDATED	90.0	0.0	
620.0	SPOON		SHALE	6.0	90.0	
614.0	SPOON	ROCK ISLAND	COAL	3.0	96.0	
611.0	ABBOTT		SANDSTONE	1.0	99.0	
610.0	ABBOTT		SHALE	5.0	100.0	
605.0	ABBOTT		SILTSTONE	5.0	105.0	
600.0	ABBOTT		SHALE	25.0	110.0	
575.0	ABBOTT		SANDSTONE	55.0	135.0	
520.0	ABBOTT		SHALE	35.0	190.0	
485.0	ABBOTT		BLACK SHALE	5.0	225.0	
480.0			UNCLASSIFIED	0.0	230.0	

MAPID: 13170005000C VERSION: 1

PROJECT: NCRDS

COUNTY: MERCER TWP/RNG: 15N 1W SECTION: 23 QUARTERS/FOOTAGES: 1700' N line, 1730' W line

QUADRANGLE: ORION LONGITUDE: -90.467689 GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.278314 DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 710.0 LOGGED (FT.): 232.0 LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 91 WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
710.0			NO RECORD	90.0	0.0
620.0	TRADEWATER		GREEN SHALE	6.0	90.0
614.0	TRADEWATER	ROCK ISLAND	COAL	3.0	96.0
611.0	TRADEWATER		SANDSTONE	1.0	99.0
610.0	TRADEWATER		GREEN SHALE	35.0	100.0
575.0	TRADEWATER		SANDY DARK SHALE	40.0	135.0
535.0	TRADEWATER		BLACK SHALE	5.0	175.0
530.0	TRADEWATER		CARBONACEOUS SHALE	10.0	180.0
520.0	TRADEWATER		SANDSTONE	15.0	190.0
505.0	TRADEWATER		BLACK SHALE	25.0	205.0
480.0	TRADEWATER		LIMESTONE	2.0	230.0

MAPID: 13100127000C VERSION: 1

PROJECT: NCRDS99

COUNTY: MERCER TWP/RNG: 15N 2W SECTION: 34 QUARTERS/FOOTAGES: 660' N line, 0' W line of NE NE

QUADRANGLE: MATHERVILLE LONGITUDE: -90.596185 GEOLOGIST: HAMER

CONFIDENTIAL: N LATITUDE: 41.252963 DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 720.0 LOGGED (FT.): 95.2 LOG TYPE: Drillers Log

SOURCE: COAL VALLEY MINING CO. 0234 WELL TYPE:

COMMENT: ELEVATION APPROXIMATE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
720.0	PLEISTOCENE		CLAY	41.0	0.0
679.0	PLEISTOCENE		SANDSTONE/SHALE	9.0	41.0
670.0	CARBONDALE	COLCHESTER	COAL	1.3	50.0
668.7	TRADEWATER		UNDERCLAY	9.0	51.3
659.7	TRADEWATER		SANDSTONE	5.3	60.3
654.4	TRADEWATER		SHALE	3.2	65.6
651.3	TRADEWATER		SHALE	1.8	68.7
649.5	TRADEWATER		LIMESTONE	16.0	70.5
633.5	TRADEWATER		SHALE	2.0	86.5
631.5	TRADEWATER	ROCK ISLAND	COAL	4.6	88.5
626.8	TRADEWATER		UNDERCLAY	2.0	93.2

MAPID: 13100128000C VERSION: 1

PROJECT: NCRDS99

COUNTY: MERCER TWP/RNG: 15N 2W SECTION: 34 QUARTERS/FOOTAGES: 0' N line, 160' W line of SW NE

QUADRANGLE: MATHERVILLE LONGITUDE: -90.600238

GEOLOGIST: HAMER

CONFIDENTIAL: N LATITUDE: 41.251139

DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 700.0 LOGGED (FT.): 92.1

LOG TYPE: Drillers Log

SOURCE: COAL VALLEY MINING CO. 234

WELL TYPE:

COMMENT: ELEVATION APPROXIMATE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
700.0	PLEISTOCENE		CLAY	23.0	0.0	
677.0	CARBONDALE		SANDSTONE/SHALE	16.0	23.0	INCLUDES FIRECLAY FIRECLAY
661.0	CARBONDALE		SHALE	13.0	39.0	
648.0	CARBONDALE	COLCHESTER	COAL	0.8	52.0	
647.2	TRADEWATER		UNDERCLAY	13.0	52.8	
634.2	TRADEWATER		GRAY SHALE	18.5	65.8	
615.7	TRADEWATER		LIMESTONE	0.8	84.3	
614.9	TRADEWATER		SHALE	0.4	85.1	
614.5	TRADEWATER	ROCK ISLAND	COAL	3.7	85.5	
610.8	TRADEWATER		UNDERCLAY	3.0	89.2	GRITTY

MAPID: 13100159000C VERSION: 1

PROJECT: NCRDS99

COUNTY: MERCER TWP/RNG: 15N 2W SECTION: 34 QUARTERS/FOOTAGES: 115' N line, 0' E line of SE NE

QUADRANGLE: MATHERVILLE LONGITUDE: -90.591411

GEOLOGIST: HAMER

CONFIDENTIAL: N LATITUDE: 41.250812

DATE COLLECTED: 0 / 0 / 1900

SURFACE ELEVATION (FT.): 640.0 LOGGED (FT.): 28.8

LOG TYPE: Drillers Log

SOURCE: COAL VALLEY MINING CO. 0234

WELL TYPE:

COMMENT: ELEV & FOOT EW APPROXIMATE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
640.0	PLEISTOCENE		CLAY	10.0	0.0	
630.0	TRADEWATER		GRAY SHALE	13.0	10.0	
617.0	TRADEWATER		SHALE	0.6	23.0	BLACK
616.4	TRADEWATER	ROCK ISLAND	COAL	3.7	23.6	
612.7	TRADEWATER		UNDERCLAY	1.5	27.3	

MAPID: 13100234000C VERSION: 1

PROJECT: NCRDS87

COUNTY: MERCER TWP/RNG: 15N 4W SECTION: 13 QUARTERS/FOOTAGES: 330' S line, 330' W line of SE SE

QUADRANGLE: BUFFALO PRAIRIE

LONGITUDE: -90.787422

GEOLOGIST: WEIBEL

CONFIDENTIAL: N

LATITUDE: 41.286717

DATE COLLECTED: 1 / 0 / 1954

SURFACE ELEVATION (FT.): 765.0

LOGGED (FT.): 200.0

LOG TYPE: Survey Sample Study

SOURCE: NELSON, PATTERSON & EDWARDS

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
765.0			UNCONSOLIDATED	80.0	0.0
685.0	SPOON		SANDSTONE	3.0	80.0
682.0	SPOON		BLACK SHALE	12.0	83.0
670.0	SPOON		DARK SHALE	14.0	95.0
656.0	SPOON		BLACK SHALE	6.0	109.0
650.0	SPOON	ROCK ISLAND	COAL	0.0	115.0
650.0	ABBOTT		SANDSTONE	5.0	115.0
645.0	ABBOTT		UNCLASSIFIED	43.0	120.0
602.0	ABBOTT		COAL	7.0	163.0
595.0	ABBOTT		UNCLASSIFIED	30.0	170.0
565.0			UNCLASSIFIED	0.0	200.0