

# Status Report



**Total Records: 8**

Top 3 County Records		Top 3 Log Type Records		Top 3 Member Records	
Union	8	Survey Core Study	3	KINKAID LIMESTONE	10
		Survey Sample Study	2	OKAW LIMESTONE	9
		Drillers Log	2	CYPRESS LIMESTONE	7

## 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>KINKAID</b>	LIMESTONE	<b>30.5</b>	30.5	30.5	<b>91.8</b>	91.8	91.8
<b>MENARD</b>	LIMESTONE	<b>160.3</b>	160.3	160.3	<b>65.8</b>	65.8	65.8
<b>OKAW GROUP</b>		<b>111.7</b>	111.7	111.7	<b>212.8</b>	212.8	212.8
<b>CYPRESS</b>	SANDSTONE	<b>324.5</b>	324.5	324.5	<b>370.4</b>	370.4	370.4
<b>STE. GENEVIEVE</b>	LIMESTONE	<b>694.9</b>	694.9	694.9	<b>25.1</b>	25.1	25.1
<b>Net Coal</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: 18100004000C VERSION: 1 PROJECT: CUSMAP  
COUNTY: UNION TWP/RNG: 11S 1E SECTION: 2 QUARTERS/FOOTAGES: 330' S line, 330' E line of NW SE  
QUADRANGLE: LICK CREEK LONGITUDE: -89.066379 GEOLOGIST:  
CONFIDENTIAL: N LATITUDE: 37.58936 DATE COLLECTED: 11 / 0 / 1943  
SURFACE ELEVATION (FT.): 698.0 LOGGED (FT.): 450.0 LOG TYPE: Electric Log  
SOURCE: NATION OIL CO. WELL TYPE: Producer-Oil and Gas  
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
248.0	BASE OF PENN.		UNCLASSIFIED	-	450.0	

MAPID: 18100005000C VERSION: 1 PROJECT: CUSMAP  
COUNTY: UNION TWP/RNG: 11S 1E SECTION: 9 QUARTERS/FOOTAGES: 330' N line, 339' W line of SW NE  
QUADRANGLE: LICK CREEK LONGITUDE: -89.105896 GEOLOGIST:  
CONFIDENTIAL: N LATITUDE: 37.582092 DATE COLLECTED: 10 / 0 / 1946  
SURFACE ELEVATION (FT.): 663.0 LOGGED (FT.): 258.0 LOG TYPE: Survey Sample Study  
SOURCE: MITCHELL C A WELL TYPE: Producer-Oil and Gas  
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
405.0	BASE OF PENN.		UNCLASSIFIED	-	258.0	

MAPID: 18100009000C VERSION: 1

PROJECT: CUSMAP

COUNTY: UNION TWP/RNG: 11S 1W SECTION: 2 QUARTERS/FOOTAGES: 200' N line, 1250' W line

QUADRANGLE: MAKANDA LONGITUDE: -89.187387 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 37.599044 DATE COLLECTED: 0 / 0 / 1940

SURFACE ELEVATION (FT.): 672.0 LOGGED (FT.): 345.0 LOG TYPE: Survey Sample Study

SOURCE: ERIE DRLG CO WELL TYPE: Producer-Oil and Gas

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
327.0	BASE OF PENN.		UNCLASSIFIED	-	345.0	

MAPID: 18120852000C VERSION: 1

PROJECT: NCRDS99

COUNTY: UNION TWP/RNG: 11S 2W SECTION: 5 QUARTERS/FOOTAGES: 2650' N line, 150' W line

QUADRANGLE: COBDEN LONGITUDE: -89.361486 GEOLOGIST: C KOROSE

CONFIDENTIAL: N LATITUDE: 37.592252 DATE COLLECTED: 6 / 20 / 1989

SURFACE ELEVATION (FT.): 750.0 LOGGED (FT.): 56.0 LOG TYPE: Survey Core Study

SOURCE: COGEOMAP CB-1 WELL TYPE: Coal Test

COMMENT: SINKHOLE FILLING?

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
750.0	PLEISTOCENE		ROCK	29.3	0.0	
720.7	CASEYVILLE		SANDSTONE	1.7	29.3	IRON-STAINED; WHITE
719.0	CASEYVILLE		SANDSTONE	2.5	31.0	CLAY-FILLED FRACTURES; WHITE
716.5			LIMESTONE	12.5	33.5	LIGHT GRAY CLAY, SANDSTONE
704.0			CLAYSTONE & SILTSTONE	4.0	46.0	SANDSTONE FRAGMENTS; LIGHT
700.0			CLAYSTONE & SILTSTONE	6.0	50.0	BROWN, SOFT AT BASE; GRAY

MAPID: 18120941000C VERSION: 1

PROJECT: NCRDS99

COUNTY: UNION TWP/RNG: 11S 2W SECTION: 5 QUARTERS/FOOTAGES: 350' S line, 785' E line

QUADRANGLE: COBDEN LONGITUDE: -89.346387 GEOLOGIST: C KOROSE

CONFIDENTIAL: N LATITUDE: 37.584835 DATE COLLECTED: 6 / 18 / 1991

SURFACE ELEVATION (FT.): LOGGED (FT.): 720.0 LOG TYPE: Survey Core Study

SOURCE: COGEOMAP CB-2 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
-	PLEISTOCENE		UNCONSOLIDATED	15.0	0.0	
-			SANDSTONE/SHALE	3.4	15.0	LIGHT
-			SHALE	0.3	18.4	
-			SHALE	0.6	18.7	BLACK
-			SHALE	8.0	19.3	GRAY
-			SANDSTONE/SHALE	10.3	27.3	
-			SANDSTONE/SHALE	11.4	37.6	
-			LIMESTONE	2.3	49.0	
-			SHALE	2.8	51.3	
-			LIMESTONE	7.4	54.1	
-			SHALE & SANDSTONE	4.8	61.5	
-			LIMESTONE	0.3	66.3	LIGHT
-			SHALE & SANDSTONE	8.7	66.6	
-			LIMESTONE	0.7	75.3	
-			SHALE	35.7	76.0	CALCAREOUS AT BASE
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	4.9	111.7	LIGHT
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	1.6	116.6	DARK
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	5.2	118.2	LIGHT
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	0.4	123.4	DARK
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	16.2	123.8	LIGHT
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE & SHALE	12.9	140.0	
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	22.2	152.9	LIGHT
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE & SHALE	22.6	175.1	
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	28.9	197.7	LIGHT
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE & SHALE	23.6	226.6	DARK
-	MISSISSIPPIAN	OKAW GROUP	SHALE	1.1	250.2	WITH LIMESTONE NODULES; GRAY
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE & SHALE	7.5	251.3	GRAY
-	MISSISSIPPIAN	OKAW GROUP	SHALE	7.2	258.8	LIMEY
-	MISSISSIPPIAN	OKAW GROUP	SHALE	3.9	266.0	BROWN; SLICKENSIDES, LIMESTONE NODULES
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE & SHALE	0.7	269.9	
-	MISSISSIPPIAN	OKAW GROUP	SHALE	5.4	270.6	LIMESTONE NODULES
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	2.0	276.0	LIGHT
-	MISSISSIPPIAN	OKAW GROUP	SHALE	43.1	278.0	WITH LIMESTONE NODULES
-	MISSISSIPPIAN	OKAW GROUP	LIMESTONE	3.4	321.1	
-	MISSISSIPPIAN	CYPRESS	SANDSTONE/SHALE	25.5	324.5	LIMEY; GRAY
-	MISSISSIPPIAN	CYPRESS	SHALE	38.2	350.0	SOFT, GREENISH (LOSS AT BASE); GRAY
-	MISSISSIPPIAN	CYPRESS	SANDSTONE/SHALE	0.8	388.2	
-	MISSISSIPPIAN	CYPRESS	CALCAREOUS SHALE	11.0	389.0	

-	MISSISSIPPIAN	CYPRESS	SHALE & SANDSTONE	32.1	400.0	MODERATELY CALCAREOUS
-	MISSISSIPPIAN	CYPRESS	LIMESTONE AND SANDSTONE	4.6	432.1	
-	MISSISSIPPIAN	CYPRESS	CALCAREOUS SHALE	10.0	436.7	
-	MISSISSIPPIAN	CYPRESS	SILTSTONE	6.9	446.7	GREEN AT BASE; RED
-	MISSISSIPPIAN	CYPRESS	LIMESTONE	17.1	453.6	PINK TO PURPLE CAST; LIGHT
-	MISSISSIPPIAN	CYPRESS	LIMESTONE & SHALE	7.1	470.7	SILTY; GREEN
-	MISSISSIPPIAN	CYPRESS	LIMESTONE	5.3	477.8	WHITE
-	MISSISSIPPIAN	CYPRESS	CALCAREOUS SHALE	7.7	483.1	SILTY
-	MISSISSIPPIAN	CYPRESS	LIMESTONE	25.0	490.8	GREEN TO REDDISH
-	MISSISSIPPIAN	CYPRESS	SHALE	10.0	515.8	
-	MISSISSIPPIAN	CYPRESS	LIMESTONE	13.0	525.8	SILTY
-	MISSISSIPPIAN	CYPRESS	CLAYSTONE & SILTSTONE	4.5	538.8	SILTY
-	MISSISSIPPIAN	CYPRESS	LIMESTONE	26.7	543.3	SILTY
-	MISSISSIPPIAN	CYPRESS	SHALE	7.9	570.0	GREY-GREEN; DARK
-	MISSISSIPPIAN	CYPRESS	LIMESTONE	2.5	577.9	LIGHT
-	MISSISSIPPIAN	CYPRESS	SHALE	17.1	580.4	SILTY; GRAY
-	MISSISSIPPIAN	CYPRESS	SANDSTONE	15.0	597.5	
-	MISSISSIPPIAN	CYPRESS	SANDSTONE	17.2	612.5	LIMEY; GRAY
-	MISSISSIPPIAN	CYPRESS	LIMESTONE	45.7	629.7	LIGHT GRAY TO WHITE
-	MISSISSIPPIAN	CYPRESS	CLAYSTONE & SILTSTONE	0.2	675.4	
-	MISSISSIPPIAN	CYPRESS	SANDSTONE	19.3	675.6	CALCAREOUS; GRAY
-	MISSISSIPPIAN	STE. GENEVIEVE	LIMESTONE	25.1	694.9	CORE LOSS AT BASE

---

MAPID: 18120942000C VERSION: 1

PROJECT: NCRDS99

COUNTY: UNION TWP/RNG: 11S 2W SECTION: 5 QUARTERS/FOOTAGES: 2700' N line, 650' W line

QUADRANGLE: COBDEN LONGITUDE: -89.359751 GEOLOGIST: C KOROSE

CONFIDENTIAL: N LATITUDE: 37.592123 DATE COLLECTED: 6 / 22 / 1989

SURFACE ELEVATION (FT.): 690.0 LOGGED (FT.): 226.1 LOG TYPE: Survey Core Study

SOURCE: COGEOMAP CB-1A WELL TYPE: Coal Test

COMMENT: INFERRED SLUMP ABOVE MENARD

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
690.0	PLEISTOCENE		MUD	30.5	0.0	SANDY
659.5	MISSISSIPPIAN	KINKAID	CALCAREOUS SHALE	7.8	30.5	CORE LOSS AT BASE
651.7	MISSISSIPPIAN	KINKAID	LIMESTONE	1.8	38.3	CLAYEY, GRAY, CORE LOSS
649.9	MISSISSIPPIAN	KINKAID	SHALE	4.0	40.1	SOFT; DARK
645.9	MISSISSIPPIAN	KINKAID	SHALE	1.3	44.1	.2' LS LENSES NOTED
644.6	MISSISSIPPIAN	KINKAID	LIMESTONE	2.4	45.4	CLAYEY, INCLINED BEDS, LIGHT
642.2	MISSISSIPPIAN	KINKAID	SHALE	3.4	47.8	SLICKENSIDES NEAR BASE; DARK
638.8	MISSISSIPPIAN	KINKAID	LIMESTONE	5.8	51.2	HARD; LIGHT
633.0	MISSISSIPPIAN	KINKAID	LIMESTONE	19.4	57.0	OOLITIC, STYOLITES; LIGHT
613.6	MISSISSIPPIAN	KINKAID	LIMESTONE	0.4	76.4	DIPPING BEDS; LIGHT
613.2	MISSISSIPPIAN	KINKAID	LIMESTONE	0.4	76.8	GRAY
612.8			LIMESTONE	26.6	77.2	LIGHT
586.2	MISSISSIPPIAN	KINKAID	SHALE	0.3	103.8	SOFT
585.9	MISSISSIPPIAN	KINKAID	LIMESTONE & SHALE	2.1	104.1	
583.8	MISSISSIPPIAN	KINKAID	SHALE	6.5	106.2	CALCAREOUS, CORE LOSS AT BASE
577.3	MISSISSIPPIAN	KINKAID	MUDSTONE	10.7	112.7	LIMEY; LIGHT
566.6	MISSISSIPPIAN	KINKAID	CALCAREOUS SHALE	2.7	123.4	
564.0	MISSISSIPPIAN	KINKAID	LIMESTONE	2.0	126.0	DIPPING BEDS
562.0	MISSISSIPPIAN	KINKAID	LIMESTONE & SHALE	10.3	128.0	
551.7			SHALE	2.3	138.3	SLICKENSIDES NOTED; GREEN- GRAY
549.4	MISSISSIPPIAN	KINKAID	LIMESTONE	0.4	140.6	DARK
549.0	MISSISSIPPIAN	KINKAID	LIMESTONE & SHALE	1.0	141.0	LIMESTONE, SHALE
548.0	MISSISSIPPIAN	KINKAID	LIMESTONE	2.2	142.0	HARD
545.8	MISSISSIPPIAN	KINKAID	LIMESTONE & SHALE	1.3	144.2	
544.5	MISSISSIPPIAN	KINKAID	LIMESTONE	4.2	145.5	BRECCIA AT BASE
540.3	MISSISSIPPIAN	KINKAID	SHALE	1.5	149.7	GRAY
538.8			LIMESTONE	1.6	151.2	CLASTIC
537.2			SHALE	1.6	152.8	DARK, GLIDE PLANES, LIMESTONE
535.6			LIMESTONE	2.2	154.4	GRAY
533.4			SHALE	3.7	156.6	CALCAREOUS, DARK, SOFT
529.7	MISSISSIPPIAN	MENARD	LIMESTONE	1.2	160.3	
528.5	MISSISSIPPIAN	MENARD	LIMESTONE	7.6	161.5	HORIZONTAL BEDS; DARK
520.9	MISSISSIPPIAN	MENARD	SHALE	0.9	169.1	SLICKENSIDED ZONES
520.0	MISSISSIPPIAN	MENARD	LIMESTONE	26.4	170.0	DARK
493.6	MISSISSIPPIAN	MENARD	SHALE	2.7	196.4	LIMESTONE CLASTIC AT BASE
490.9	MISSISSIPPIAN	MENARD	LIMESTONE	4.9	199.1	VERY HARD; LIGHT
486.0	MISSISSIPPIAN	MENARD	SHALE	0.3	204.0	BLACK
485.7	MISSISSIPPIAN	MENARD	LIMESTONE	21.8	204.3	OOLITIC

**MAPID:** 18120945000C    **VERSION:** 1    **PROJECT:** NCRDS99  
**COUNTY:** UNION    **TWP/RNG:** 11S 3W    **SECTION:** 23    **QUARTERS/FOOTAGES:** 1300' S line, 450' E line  
**QUADRANGLE:** WOLF LAKE    **LONGITUDE:** -89.400046    **GEOLOGIST:** C KOROSE  
**CONFIDENTIAL:** N    **LATITUDE:** 37.543723    **DATE COLLECTED:** 7 / 27 / 1990  
**SURFACE ELEVATION (FT.):**    **LOGGED (FT.):** 32.0    **LOG TYPE:** Drillers Log  
**SOURCE:** COGEOMAP    WL-1    **WELL TYPE:** Stratigraphic Test  
**COMMENT:**

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
-	PLEISTOCENE		GRAVEL	32.0	0.0	QUATERNARY TERRACE GROUND

**MAPID:** 18120946000C    **VERSION:** 1    **PROJECT:** NCRDS99  
**COUNTY:** UNION    **TWP/RNG:** 11S 3W    **SECTION:** 23    **QUARTERS/FOOTAGES:** 1300' S line, 690' E line  
**QUADRANGLE:** WOLF LAKE    **LONGITUDE:** -89.400878    **GEOLOGIST:** C KOROSE  
**CONFIDENTIAL:** N    **LATITUDE:** 37.543732    **DATE COLLECTED:** 7 / 27 / 1990  
**SURFACE ELEVATION (FT.):**    **LOGGED (FT.):** 47.0    **LOG TYPE:** Drillers Log  
**SOURCE:** COGEOMAP    WL-1A    **WELL TYPE:** Stratigraphic Test  
**COMMENT:**

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
-	PLEISTOCENE		GRAVEL	47.0	0.0	QUATERNARY TERRACE GROUND