

Status Report

Total Records: 11

Top 3 County Records		Top 3 Log Type Records		Top 3 Coal Records		Top 3 Member Records	
Monroe	11	Drillers Log	11	HERRIN	13	HERRIN COAL	13
				HERRIN	1	BRERETON LIMESTONE	11
						BANKSTON FORK LIMESTONE	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
BANKSTON FORK	LIMESTONE	24.7	18.3	36.8	3.6	0.3	7.3
LAWSON	SHALE	27.0	19.0	37.4	1.5	0.6	3.3
CONANT	LIMESTONE	29.5	22.3	38.2	1.1	0.5	2.5
BRERETON	LIMESTONE	29.8	19.0	40.0	6.0	1.0	13.3
ANNA	SHALE	32.2	29.4	37.6	0.5	0.4	0.6
HERRIN	COAL	36.4	22.9	50.0	2.9	1.6	4.2
Net Coal					2.9		

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: 13300030000C VERSION: 1 PROJECT: NCRDS99
COUNTY: MONROE TWP/RNG: 1S 10W SECTION: 33 QUARTERS/FOOTAGES: SW NE
QUADRANGLE: COLUMBIA LONGITUDE: -90.207933 GEOLOGIST: MCCracken
CONFIDENTIAL: N LATITUDE: 38.40748 DATE COLLECTED: 10 / 14 / 1958
SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 46.0 LOG TYPE: Drillers Log
SOURCE: DONAN GA-1 WELL TYPE: Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
567.0	PLEISTOCENE		CLAY	26.0	0.0	SILTY
541.0			LIMESTONE	0.3	26.0	
540.7			CLAYSTONE & SILTSTONE	2.7	26.3	WEATHERED
538.0			LIMESTONE	5.5	29.0	WEATHERED
532.5			CLAYSTONE & SILTSTONE	11.5	34.5	

MAPID: 13300116000C VERSION: 1

PROJECT: ROOF STUDY

COUNTY: MONROE TWP/RNG: 1S 10W SECTION: 33 QUARTERS/FOOTAGES: 660' S line, 1320' E line

QUADRANGLE: COLUMBIA LONGITUDE: -90.205482

GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.400159

DATE COLLECTED:

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 34.2

LOG TYPE: Drillers Log

SOURCE: MIDWEST RADIANT FUEL 424

WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
566.2	CARBONDALE	BANKSTON FORK	LIMESTONE	0.3	18.8
566.0	CARBONDALE	LAWSON	GRAY SHALE	3.3	19.0
562.7	CARBONDALE	CONANT	LIMESTONE	0.7	22.3
562.1	CARBONDALE		SHALE	1.6	22.9
560.5	CARBONDALE	BRERETON	LIMESTONE	5.1	24.5
555.4	CARBONDALE	ANNA	BLACK SHALE	0.4	29.6
555.0	CARBONDALE	HERRIN	COAL	4.2	30.0

MAPID: 13300035000C VERSION: 1

PROJECT: NCRDS99

COUNTY: MONROE TWP/RNG: 1S 10W SECTION: 34 QUARTERS/FOOTAGES: 660' S line, 0' E line of SW

QUADRANGLE: COLUMBIA LONGITUDE: -90.191658

GEOLOGIST: MCCracken

CONFIDENTIAL: N LATITUDE: 38.399989

DATE COLLECTED: 10 / 18 / 1958

SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 43.0

LOG TYPE: Drillers Log

SOURCE: DONAN GA-6

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
583.0	PLEISTOCENE		CLAY	24.7	0.0
558.3	CARBONDALE		LIMESTONE	0.5	24.7
557.8	CARBONDALE		CLAYSTONE & SILTSTONE	2.5	25.2
555.3	CARBONDALE	BRERETON	LIMESTONE	4.3	27.7
551.0	CARBONDALE	BRERETON	LIMESTONE	2.5	32.0
548.5	CARBONDALE	BRERETON	LIMESTONE	2.9	34.5
545.6	CARBONDALE	BRERETON	CLAYSTONE & SILTSTONE	0.4	37.4
545.2	CARBONDALE	HERRIN	COAL	1.7	37.8
543.5	CARBONDALE	HERRIN	BLACK SHALE	0.1	39.5
543.4	CARBONDALE	HERRIN	COAL	0.2	39.6
543.3	CARBONDALE	HERRIN	BLACK SHALE	0.1	39.7
543.2	CARBONDALE	HERRIN	COAL	1.9	39.8
541.3	CARBONDALE		UNDERCLAY	1.3	41.7

MAPID: 13300035000C VERSION: 2

PROJECT: ROOF STUDY

COUNTY: MONROE TWP/RNG: 1S 10W SECTION: 34 QUARTERS/FOOTAGES: 660' S line, 0' E line of SW
 QUADRANGLE: COLUMBIA LONGITUDE: -90.191658 GEOLOGIST:
 CONFIDENTIAL: N LATITUDE: 38.399989 DATE COLLECTED:
 SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 41.9 LOG TYPE: Drillers Log
 SOURCE: D.C. DONAN GA-6 WELL TYPE: Coal Test
 COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
558.1	CARBONDALE	BANKSTON FORK	LIMESTONE	0.5	24.9	UPPER BENCH
557.6	CARBONDALE	BANKSTON FORK	GRAY SHALE	2.5	25.4	SHALE PARTING
555.1	CARBONDALE	BANKSTON FORK	LIMESTONE/UNDERCLAY	4.3	27.9	LOWER BENCH
550.8	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	2.5	32.2	
548.3	CARBONDALE	BRERETON	LIMESTONE	2.9	34.7	
545.4	CARBONDALE	ANNA	BLACK SHALE	0.4	37.6	
545.0	CARBONDALE	HERRIN	COAL	3.9	38.0	

MAPID: 13300031000C VERSION: 1

PROJECT: NCRDS99

COUNTY: MONROE TWP/RNG: 2S 10W SECTION: 3 QUARTERS/FOOTAGES: NE SW
 QUADRANGLE: COLUMBIA LONGITUDE: -90.193722 GEOLOGIST: MCCracken
 CONFIDENTIAL: N LATITUDE: 38.388947 DATE COLLECTED: 10 / 17 / 1958
 SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 43.0 LOG TYPE: Drillers Log
 SOURCE: DONAN GA-2 WELL TYPE: Coal Test
 COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
580.0	PLEISTOCENE		CLAY	33.7	0.0	
546.3	CARBONDALE	BRERETON	LIMESTONE	1.0	33.7	
545.3	CARBONDALE		CLAYSTONE & SILTSTONE	1.5	34.7	
543.8	CARBONDALE		CLAYSTONE	0.8	36.2	BLACK
543.0	CARBONDALE	HERRIN	COAL	1.7	37.0	
541.3	CARBONDALE	HERRIN	CLAYSTONE & SILTSTONE	0.0	38.7	
541.3	CARBONDALE	HERRIN	COAL	1.6	38.7	
539.7	CARBONDALE		UNDERCLAY	2.7	40.3	

MAPID: 13300033000C **VERSION:** 1 **PROJECT:** NCRDS99
COUNTY: MONROE **TWP/RNG:** 2S 10W **SECTION:** 3 **QUARTERS/FOOTAGES:** NW SW
QUADRANGLE: COLUMBIA **LONGITUDE:** -90.198364 **GEOLOGIST:** MCCracken
CONFIDENTIAL: N **LATITUDE:** 38.388982 **DATE COLLECTED:** 10 / 14 / 1958
SURFACE ELEVATION (FT.): 577.0 **LOGGED (FT.):** 50.0 **LOG TYPE:** Drillers Log
SOURCE: DONAN GA-4 **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
577.0	PLEISTOCENE		CLAY	48.0	0.0	SILTY
529.0	PLEISTOCENE		CLAY	2.0	48.0	

MAPID: 13300211000C **VERSION:** 1 **PROJECT:** NCRDS87
COUNTY: MONROE **TWP/RNG:** 2S 10W **SECTION:** 3 **QUARTERS/FOOTAGES:** 1' N line, 1' W line of SW NW
QUADRANGLE: COLUMBIA **LONGITUDE:** -90.200523 **GEOLOGIST:** WEIBEL
CONFIDENTIAL: N **LATITUDE:** 38.394541 **DATE COLLECTED:** 2 / 4 / 1946
SURFACE ELEVATION (FT.): 595.0 **LOGGED (FT.):** 45.5 **LOG TYPE:** Drillers Log
SOURCE: MIDWEST RADIANT FUEL CO. #421 **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
595.0			UNCONSOLIDATED	26.4	0.0	
568.6	CARBONDALE		LIMESTONE	0.5	26.4	
568.1	CARBONDALE		SHALE	4.4	26.9	
563.7	CARBONDALE		LIMESTONE	2.0	31.3	
561.7	CARBONDALE		SHALE	1.1	33.3	
560.7	CARBONDALE	BRERETON	LIMESTONE	5.3	34.3	UNCERTAIN CORRELATION
555.3	CARBONDALE		SHALE	0.8	39.7	
554.6	CARBONDALE	HERRIN	COAL WITH SHALE PARTINGS	1.6	40.4	
553.0	CARBONDALE		UNDERCLAY	3.5	42.0	

MAPID: 13300216000C **VERSION:** 1 **PROJECT:** ROOF STUDY
COUNTY: MONROE **TWP/RNG:** 2S 10W **SECTION:** 3 **QUARTERS/FOOTAGES:** 700' N line, 2640' W line
QUADRANGLE: COLUMBIA **LONGITUDE:** -90.191218 **GEOLOGIST:**
CONFIDENTIAL: N **LATITUDE:** 38.396231 **DATE COLLECTED:**
SURFACE ELEVATION (FT.): 580.0 **LOGGED (FT.):** 52.6 **LOG TYPE:** Drillers Log
SOURCE: MIDWEST RADIANT FUEL 428 **WELL TYPE:** Coal Test
COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
543.2	CARBONDALE	BANKSTON FORK	LIMESTONE	0.7	36.8
542.6	CARBONDALE	LAWSON	GRAY SHALE	0.8	37.4
541.8	CARBONDALE	CONANT	LIMESTONE	0.6	38.2
541.2	CARBONDALE		SHALE	1.3	38.8
540.0	CARBONDALE	BRERETON	LIMESTONE	10.0	40.0
530.0	CARBONDALE	HERRIN	COAL	2.6	50.0

MAPID: 13300032000C **VERSION:** 1 **PROJECT:** NCRDS99
COUNTY: MONROE **TWP/RNG:** 2S 10W **SECTION:** 4 **QUARTERS/FOOTAGES:** NE NE
QUADRANGLE: COLUMBIA **LONGITUDE:** -90.202874 **GEOLOGIST:** MCCRACKEN
CONFIDENTIAL: N **LATITUDE:** 38.396421 **DATE COLLECTED:** 10 / 15 / 1958
SURFACE ELEVATION (FT.): 599.0 **LOGGED (FT.):** 90.0 **LOG TYPE:** Drillers Log
SOURCE: DONAN GA-3 **WELL TYPE:** Coal Test
COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
599.0	PLEISTOCENE		CLAY	27.5	0.0
571.5	CARBONDALE	BRERETON	LIMESTONE	13.3	27.5
558.2	CARBONDALE		CLAYSTONE & SILTSTONE	0.4	40.8
557.9	CARBONDALE	HERRIN	COAL	0.5	41.1
557.3	CARBONDALE	HERRIN	SHALE	0.3	41.7 COAL STREAKS
557.0	CARBONDALE	HERRIN	COAL	0.1	42.0
556.9	CARBONDALE	HERRIN	SHALE	0.1	42.1 COAL STREAKS
556.8	CARBONDALE	HERRIN	COAL	1.8	42.2
555.0	CARBONDALE		UNDERCLAY	5.0	44.0
550.0	CARBONDALE		LIMESTONE	11.8	49.0
538.2	CARBONDALE		SHALE	2.8	60.8
535.4	CARBONDALE		CLAYSTONE & SILTSTONE	5.4	63.6
530.0	CARBONDALE		LIMESTONE	0.3	69.0
529.7	CARBONDALE		BLACK SHALE	0.2	69.3
529.5	CARBONDALE		CLAYSTONE & SILTSTONE	1.3	69.5
528.2	CARBONDALE		BLACK SHALE	0.2	70.8
528.1	CARBONDALE		CLAYSTONE & SILTSTONE	6.2	70.9
521.9	CARBONDALE		LIMESTONE	0.2	77.1
521.7	CARBONDALE		CLAYSTONE & SILTSTONE	0.9	77.3
520.7	CARBONDALE		LIMESTONE	11.8	78.3

MAPID: 13300034000C VERSION: 1 PROJECT: NCRDS99

COUNTY: MONROE TWP/RNG: 2S 10W SECTION: 4 QUARTERS/FOOTAGES: NE NW

QUADRANGLE: COLUMBIA LONGITUDE: -90.212473 GEOLOGIST: MCCracken

CONFIDENTIAL: N LATITUDE: 38.396541 DATE COLLECTED: 10 / 16 / 1958

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 27.0 LOG TYPE: Drillers Log

SOURCE: DONAN GA-5 WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
585.0	PLEISTOCENE		CLAY	19.0	0.0	
566.0	CARBONDALE	BRERETON	LIMESTONE	3.3	19.0	
562.7	CARBONDALE		CLAYSTONE & SILTSTONE	0.6	22.3	SOFT
562.1	CARBONDALE	HERRIN	COAL	1.8	22.9	
560.3	CARBONDALE		UNDERCLAY	2.3	24.7	

MAPID: 13300219000C VERSION: 1 PROJECT: ROOF STUDY

COUNTY: MONROE TWP/RNG: 2S 10W SECTION: 4 QUARTERS/FOOTAGES: 700' N line, 2600' W line

QUADRANGLE: COLUMBIA LONGITUDE: -90.210557 GEOLOGIST:

CONFIDENTIAL: N LATITUDE: 38.39644 DATE COLLECTED:

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 32.1 LOG TYPE: Drillers Log

SOURCE: MIDWEST RADIANT FUEL 431 WELL TYPE: Coal Test

COMMENT: FAIR DESCRIPTION

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
561.7	CARBONDALE	BANKSTON FORK	LIMESTONE	0.3	18.3	UPPER BENCH
561.5	CARBONDALE	BANKSTON FORK	GRAY SHALE	0.8	18.5	SHALE PARTING
560.7	CARBONDALE	BANKSTON FORK	LIMESTONE	5.2	19.3	LOWER BENCH
555.5	CARBONDALE	LAWSON	GRAY SHALE	0.6	24.5	
554.9	CARBONDALE	CONANT	LIMESTONE/UNDERCLAY	0.5	25.1	
554.4	CARBONDALE		GRAY SHALE	0.9	25.6	
553.5	CARBONDALE	BRERETON	LIMESTONE	2.9	26.5	
550.6	CARBONDALE	ANNA	BLACK SHALE	0.6	29.4	
550.0	CARBONDALE	HERRIN	COAL	2.1	30.0	