



Status Report

Total Records: 325

TOP 3 COUNTY RECORDS

GRUNDY 325

TOP 3 MEMBER RECORDS

COLCHESTER 275 COAL
 HOUCHIN CREEK 40 COAL
 HERRIN 33 COAL

TOP 3 LOG TYPE RECORDS

Drillers Log 302
 Company map 16
 Survey Core Study 3

TOP 3 COAL RECORDS

COLCHESTER 275
 HOUCHIN CREEK 40
 HERRIN 33

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
DANVILLE	COAL	113.0	113.0	113.0	0.4	0.4	0.4
HERRIN	COAL	87.9	66.0	124.0	6.5	1.0	9.9
TURNER MINE	SHALE	64.1	64.1	64.1	1.0	1.0	1.0
SPRINGFIELD	COAL	88.6	22.0	186.0	1.6	0.1	4.0
EXCELLO	SHALE	100.4	45.2	138.3	5.6	2.0	11.0
HOUCHIN CREEK	COAL	75.6	12.0	207.0	2.2	0.3	4.3
LOWELL	COAL	102.0	67.0	196.0	2.5	0.5	5.0
MECCA QUARRY	SHALE	88.1	57.0	118.7	2.5	0.7	3.5
FRANCIS CREEK	SANDSTONE	119.4	119.4	119.4	49.4	49.4	49.4
COLCHESTER	COAL	94.5	8.0	258.0	2.5	0.3	5.0
Net Coal					15.7		

MAPID: 06300700000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 31N 7E SECTION: 2 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.382428

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.197533

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 590.0 LOGGED (FT.): 211.0

LOG TYPE: Drillers Log

SOURCE: STEWART (FARM)

WELL TYPE: Coal Test

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
590.0			UNCONSOLIDATED	60.0	0.0
530.0	CARBONDALE		SHALE	55.0	60.0
475.0	CARBONDALE	EXCELLO	BLACK SHALE	11.0	115.0
464.0	CARBONDALE	HOUCHIN CREEK	COAL	0.3	126.0
463.7			UNDERCLAY	3.7	126.3
460.0			SHALE	6.0	130.0
454.0			UNCLASSIFIED	60.0	136.0
394.0			COAL	3.0	196.0
391.0			UNDERCLAY	2.0	199.0
389.0	CARBONDALE		UNCLASSIFIED	6.0	201.0
383.0	CARBONDALE	COLCHESTER	COAL	3.0	207.0
380.0	SPOON		UNDERCLAY	1.0	210.0

MAPID: 06300700000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 7E SECTION: 2 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.382428

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.197533

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 588.0 LOGGED (FT.): 210.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
462.0	CARBONDALE	HOUCHIN CREEK	COAL	0.3	126.0
461.7	CARBONDALE		UNCLASSIFIED	69.7	126.3
392.0	CARBONDALE	LOWELL	COAL	3.6	196.0
388.4	CARBONDALE		UNCLASSIFIED	7.4	199.6
381.0	CARBONDALE	COLCHESTER	COAL	3.0	207.0

MAPID: 06301390000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 7E SECTION: 18 NENWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.460082

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.166516

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 623.0 LOGGED (FT.): 215.1

LOG TYPE: Survey Core Study

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
510.0	CARBONDALE	DANVILLE	COAL	0.4	113.0
509.6	CARBONDALE		UNCLASSIFIED	5.6	113.4
504.0	CARBONDALE	HERRIN	COAL	3.7	119.0
500.3	CARBONDALE		UNCLASSIFIED	91.3	122.7
409.0	CARBONDALE	COLCHESTER	COAL	1.1	214.0

MAPID: 06301470000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 7E SECTION: 26 SWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.394319

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.13722

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 609.0 LOGGED (FT.): 229.5

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
382.0	CARBONDALE	COLCHESTER	COAL	2.5	227.0

MAPID: 06300890000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 1 NWNESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ESSEX LONGITUDE: -88.245366

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.19756

DATE COLLECTED: 0 / 0 / 1899

SURFACE ELEVATION (FT.): 603.0 LOGGED (FT.): 183.0

LOG TYPE: Drillers Log

SOURCE: CARDIFF COAL CO.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
603.0			UNCONSOLIDATED	63.0	0.0
540.0	CARBONDALE		LIMESTONE	12.7	63.0
527.3	CARBONDALE		SANDSTONE	2.3	75.7
525.0	CARBONDALE		UNCLASSIFIED	8.0	78.0
517.0	CARBONDALE		LIMESTONE	0.4	86.0
516.6	CARBONDALE		UNCLASSIFIED	2.1	86.4
514.5	CARBONDALE	MECCA QUARRY	BLACK SHALE	3.3	88.5
511.2	CARBONDALE	COLCHESTER	COAL	4.8	91.8
506.4	SPOON		UNDERCLAY	7.8	96.6
498.6	SPOON		LIMESTONE	4.0	104.4
494.6	SPOON		SANDSTONE	27.6	108.4
467.0	SPOON		UNCLASSIFIED	21.7	136.0
445.3	SPOON		COAL	2.1	157.7
443.2	SPOON		UNDERCLAY	7.0	159.8
436.2	SPOON		UNCLASSIFIED	6.7	166.8
429.6	SPOON		UNCLASSIFIED	1.3	173.4
428.2	SPOON		COAL	0.3	174.8
428.0	SPOON		UNDERCLAY	8.0	175.0

MAPID: 06300890000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 1 NWNESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ESSEX LONGITUDE: -88.245366

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.19756

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 577.0 LOGGED (FT.): 95.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
485.0	CARBONDALE	COLCHESTER	COAL	3.9	92.0

MAPID: 06300698000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 4 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.302209

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.186997

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 163.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: POOR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
425.0	CARBONDALE	COLCHESTER	COAL	3.0	160.0	

MAPID: 06300696000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 9 NENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.302164

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.185193

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 589.0 LOGGED (FT.): 168.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
424.0	CARBONDALE	COLCHESTER	COAL	3.0	165.0	

MAPID: 06300891000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 11 NESWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.278

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.174665

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 586.0 LOGGED (FT.): 175.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
496.0	CARBONDALE	HOUCHIN CREEK	COAL	3.0	90.0	
493.0	CARBONDALE		UNCLASSIFIED	82.0	93.0	
411.0	CARBONDALE	COLCHESTER	COAL	-	175.0	

MAPID: 06300695000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 23 SENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.272287

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.154848

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 592.0 LOGGED (FT.): 198.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
512.0	CARBONDALE	SPRINGFIELD	COAL	-	80.0
512.0	CARBONDALE		UNCLASSIFIED	26.0	80.0
486.0	CARBONDALE	HOUCHIN CREEK	COAL	3.7	106.0
482.3	CARBONDALE		UNCLASSIFIED	85.3	109.7
397.0	CARBONDALE	COLCHESTER	COAL	3.1	195.0

MAPID: 06300685000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 25 SESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ESSEX LONGITUDE: -88.247398

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.129694

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 166.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
530.0	CARBONDALE	SPRINGFIELD	COAL	0.1	65.0
529.9	CARBONDALE		UNCLASSIFIED	42.9	65.1
487.0	CARBONDALE	HOUCHIN CREEK	COAL	3.7	108.0
483.3	CARBONDALE		UNCLASSIFIED	52.3	111.7
431.0	CARBONDALE	COLCHESTER	COAL	2.0	164.0

MAPID: 06300686000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 25 NESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: ESSEX LONGITUDE: -88.247456

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.131512

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 155.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
537.0	CARBONDALE	SPRINGFIELD	COAL	-	58.0
537.0	CARBONDALE		UNCLASSIFIED	45.0	58.0
492.0	CARBONDALE	HOUCHIN CREEK	COAL	3.7	103.0
488.3	CARBONDALE		UNCLASSIFIED	46.3	106.7
442.0	CARBONDALE	COLCHESTER	COAL	2.0	153.0

MAPID: 06300684000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 26
QUADRANGLE: GARDNER LONGITUDE: -88.270474
CONFIDENTIAL: N LATITUDE: 41.13565
SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 162.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
498.0	CARBONDALE	HOUCHIN CREEK	COAL	3.1	97.0
494.9	CARBONDALE		UNCLASSIFIED	59.9	100.1
435.0	CARBONDALE	COLCHESTER	COAL	2.9	160.0

MAPID: 06300683000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 35 NESENW
QUADRANGLE: CAMPUS LONGITUDE: -88.27132
CONFIDENTIAL: N LATITUDE: 41.123809
SURFACE ELEVATION (FT.): 605.0 LOGGED (FT.): 201.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
512.0	CARBONDALE	SPRINGFIELD	COAL	-	93.0
512.0	CARBONDALE		UNCLASSIFIED	30.0	93.0
482.0	CARBONDALE	HOUCHIN CREEK	COAL	1.0	123.0
481.0	CARBONDALE		UNCLASSIFIED	74.0	124.0
407.0	CARBONDALE	COLCHESTER	COAL	3.0	198.0

MAPID: 06300682000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 36 NWSWNE
QUADRANGLE: BUCKINGHAM LONGITUDE: -88.249602
CONFIDENTIAL: N LATITUDE: 41.124222
SURFACE ELEVATION (FT.): 605.0 LOGGED (FT.): 168.5
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
541.0	CARBONDALE	SPRINGFIELD	COAL	-	64.0
541.0	CARBONDALE		UNCLASSIFIED	36.0	64.0
505.0	CARBONDALE	HOUCHIN CREEK	COAL	3.0	100.0
502.0	CARBONDALE		UNCLASSIFIED	63.0	103.0
439.0	CARBONDALE	COLCHESTER	COAL	2.5	166.0

MAPID: 06302058000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 36 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: BUCKINGHAM LONGITUDE: -88.24466

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.120632

DATE COLLECTED: 5 / 19 / 1971

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 191.8

LOG TYPE: Survey Sample Study

SOURCE: FIELD MUSEUM OF NATURAL HISTORY

WELL TYPE: Diamond Drill

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
600.0			UNCONSOLIDATED	64.1	0.0
535.9	CARBONDALE	TURNER MINE	BLACK SHALE	1.0	64.1
534.9	CARBONDALE		SANDSTONE	3.8	65.1
531.2	CARBONDALE	SPRINGFIELD	COAL	1.0	68.8
530.1	CARBONDALE		UNDERCLAY	1.1	69.9
529.1	CARBONDALE		SHALE	1.9	70.9
527.2	CARBONDALE		SILTSTONE	13.6	72.8
513.6	CARBONDALE		SHALE	12.4	86.4
501.2	CARBONDALE		LIMESTONE	1.0	98.8
500.2	CARBONDALE		SHALE	3.3	99.8
496.8	CARBONDALE	EXCELLO	BLACK SHALE	6.8	103.2
490.0	CARBONDALE	HOUCHIN CREEK	COAL	4.3	110.0
485.7	CARBONDALE		SILTSTONE	0.6	114.3
485.1	CARBONDALE		CLAYSTONE	3.8	114.9
481.3	CARBONDALE	MECCA QUARRY	BLACK SHALE	0.7	118.7
480.6	CARBONDALE	FRANCIS CREEK	SHALE	49.0	119.4
431.6	CARBONDALE	FRANCIS CREEK	CONGLOMERATE	0.4	168.4
431.2	CARBONDALE	COLCHESTER	COAL	3.2	168.8
428.0	SPOON		CLAYSTONE	3.0	172.0
425.0	SPOON		COAL	0.7	175.0
424.3	SPOON		CLAYSTONE	4.3	175.7
420.0	SPOON		LIMESTONE	3.0	180.0
417.0	SPOON		SHALE	1.1	183.0
415.9	SPOON		COAL	0.5	184.1
415.4	SPOON		LIMESTONE	0.3	184.6
415.1	SPOON		CLAYSTONE	0.7	184.9
414.4	SPOON		BLACK SHALE	0.1	185.6
414.3	SPOON		CLAYSTONE	1.3	185.7
413.0	SPOON		SANDSTONE	4.8	187.0

MAPID: 06302058000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 31N 8E SECTION: 36 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: BUCKINGHAM LONGITUDE: -88.24466

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.120632

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 172.3

LOG TYPE: Survey Core Study

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
531.0	CARBONDALE	SPRINGFIELD	COAL	1.0	69.0	
530.0	CARBONDALE		UNCLASSIFIED	40.0	70.0	
490.0	CARBONDALE	HOUCHIN CREEK	COAL	4.2	110.0	
485.8	CARBONDALE		UNCLASSIFIED	54.8	114.2	
431.0	CARBONDALE	COLCHESTER	COAL	3.3	169.0	

MAPID: 06301552000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 13 SWSESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.477755

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.240927

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 71.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
544.0	CARBONDALE	HERRIN	COAL	5.0	66.0	

MAPID: 06300086000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 14 NWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.511106

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.241881

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 624.0 LOGGED (FT.): 85.4

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
545.0	CARBONDALE	HERRIN	COAL	6.4	79.0	

MAPID: 06300672000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 14 NESESWE
QUADRANGLE: MAZON LONGITUDE: -88.49854
CONFIDENTIAL: N LATITUDE: 41.240975
SURFACE ELEVATION (FT.): 620.0 LOGGED (FT.): 80.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
543.0	CARBONDALE	HERRIN	COAL	3.9	77.0	

MAPID: 06300673000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 14 NWSENW
QUADRANGLE: KINSMAN LONGITUDE: -88.506769
CONFIDENTIAL: N LATITUDE: 41.249212
SURFACE ELEVATION (FT.): 622.0 LOGGED (FT.): 96.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
533.0	CARBONDALE	HERRIN	COAL	7.0	89.0	

MAPID: 06300674000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 14 NENWNESW
QUADRANGLE: KINSMAN LONGITUDE: -88.505989
CONFIDENTIAL: N LATITUDE: 41.246092
SURFACE ELEVATION (FT.): 626.0 LOGGED (FT.): 123.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
503.0	CARBONDALE	HERRIN	COAL	-	123.0	

MAPID: 06300676000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 14 NWNWNWSW
QUADRANGLE: KINSMAN LONGITUDE: -88.511943
CONFIDENTIAL: N LATITUDE: 41.245928
SURFACE ELEVATION (FT.): 631.0 LOGGED (FT.): 118.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
522.0	CARBONDALE	HERRIN	COAL	9.9	109.0	

MAPID: 06300679000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 14 SENESESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.503348

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.241696

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 618.0 LOGGED (FT.): 74.8

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
548.0	CARBONDALE	HERRIN	COAL	4.8	70.0	

MAPID: 06300680000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 14 NESWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.508726

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.241961

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 622.0 LOGGED (FT.): 117.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
514.0	CARBONDALE	HERRIN	COAL	9.9	108.0	

MAPID: 06370006000C VERSION: 1

PROJECT: NCRDS

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 16

FOOT (NS): 2500 S FOOT (EW): 2000 E

QUADRANGLE: KINSMAN LONGITUDE: -88.538993

GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.245858

DATE COLLECTED: 0 / 0 / 1925

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 143.0

LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 670

WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
645.0			NO RECORD	89.0	0.0	
556.0	CARBONDALE		SANDSTONE	36.0	89.0	
520.0	CARBONDALE		SHALE	14.0	125.0	
506.0	CARBONDALE		CLAYSTONE	2.2	139.0	
503.8	CARBONDALE	SPRINGFIELD	COAL	0.1	141.2	
503.7	CARBONDALE		CLAYSTONE	1.8	141.3	

MAPID: 06301558000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 20 SENWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.556113

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.228975

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 650.0 LOGGED (FT.): 230.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
498.0	CARBONDALE	HOUCHIN CREEK	COAL	3.0	152.0
495.0	CARBONDALE		UNCLASSIFIED	73.0	155.0
422.0	CARBONDALE	COLCHESTER	COAL	2.0	228.0

MAPID: 06370005000C VERSION: 1

PROJECT: NCRDS

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 20

FOOT (NS): 1530 S FOOT (EW): 900 E

QUADRANGLE: KINSMAN LONGITUDE: -88.553334

GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.228666

DATE COLLECTED: 0 / 0 / 1947

SURFACE ELEVATION (FT.): 653.0 LOGGED (FT.): 535.0

LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 1558

WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
653.0			NO RECORD	100.0	0.0
553.0	CARBONDALE		SANDSTONE	32.0	100.0
521.0	CARBONDALE		SHALE	20.0	132.0
501.0	CARBONDALE	SPRINGFIELD	COAL	3.0	152.0
498.0	CARBONDALE		SHALE	73.0	155.0
425.0	CARBONDALE	COLCHESTER	COAL	2.0	228.0
423.0	CARBONDALE		SHALE	22.0	230.0
401.0			LIMESTONE	221.0	252.0
180.0			SANDSTONE	62.0	473.0

MAPID: 06301430000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 21 SESWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.546293

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.225381

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 652.0 LOGGED (FT.): 261.0

LOG TYPE: Electric Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
528.0	CARBONDALE	HERRIN	COAL	-	124.0	
528.0	CARBONDALE		UNCLASSIFIED	62.0	124.0	
466.0	CARBONDALE	SPRINGFIELD	COAL	-	186.0	
466.0	CARBONDALE		UNCLASSIFIED	16.0	186.0	
450.0	CARBONDALE	HOUCHIN CREEK	COAL	2.5	202.0	
447.5	CARBONDALE		UNCLASSIFIED	53.5	204.5	
394.0	CARBONDALE	COLCHESTER	COAL	3.0	258.0	

MAPID: 06300650000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 SWSESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.505597

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.225653

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 626.0 LOGGED (FT.): 105.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
528.0	CARBONDALE	HERRIN	COAL	7.1	98.0	

MAPID: 06300655000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 NENENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.493338

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.231933

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 618.0 LOGGED (FT.): 81.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
542.0	CARBONDALE	HERRIN	COAL	5.0	76.0	

MAPID: 06300659000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 SWSENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.505915

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.232961

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 620.0 LOGGED (FT.): 83.8

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
544.0	CARBONDALE	HERRIN	COAL	7.8	76.0	

MAPID: 06300662000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 NENWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.50853

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.238355

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 624.0 LOGGED (FT.): 102.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
529.0	CARBONDALE	HERRIN	COAL	7.9	95.0	

MAPID: 06300663000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.510906

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.238267

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 616.0 LOGGED (FT.): 92.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
531.0	CARBONDALE	HERRIN	COAL	7.9	85.0	

MAPID: 06300664000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 SWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.501312

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.236778

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 620.0 LOGGED (FT.): 94.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
533.0	CARBONDALE	HERRIN	COAL	7.5	87.0	

MAPID: 06300666000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 SWSWNESE
QUADRANGLE: MAZON LONGITUDE: -88.496784
CONFIDENTIAL: N LATITUDE: 41.229063
SURFACE ELEVATION (FT.): 620.0 LOGGED (FT.): 85.1
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
541.0	CARBONDALE	HERRIN	COAL	6.1	79.0	

MAPID: 06300667000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 SWNESE
QUADRANGLE: MAZON LONGITUDE: -88.496211
CONFIDENTIAL: N LATITUDE: 41.229538
SURFACE ELEVATION (FT.): 621.0 LOGGED (FT.): 81.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
543.0	CARBONDALE	HERRIN	COAL	3.9	78.0	

MAPID: 06300668000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 23 SESESESE
QUADRANGLE: MAZON LONGITUDE: -88.493031
CONFIDENTIAL: N LATITUDE: 41.22543
SURFACE ELEVATION (FT.): 620.0 LOGGED (FT.): 99.1
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
528.0	CARBONDALE	HERRIN	COAL	7.1	92.0	

MAPID: 06300628000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 25 SW
QUADRANGLE: MAZON LONGITUDE: -88.487132
CONFIDENTIAL: N LATITUDE: 41.214238
SURFACE ELEVATION (FT.): 627.0 LOGGED (FT.): 95.1
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
537.0	CARBONDALE	HERRIN	COAL	5.1	90.0	

MAPID: 06300630000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 25 NENENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.483155

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.217478

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 621.0 LOGGED (FT.): 129.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
492.0	CARBONDALE	SPRINGFIELD	COAL	-	129.0	

MAPID: 06300631000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 25 SWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.490909

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.218683

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 624.0 LOGGED (FT.): 90.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
542.0	CARBONDALE	HERRIN	COAL	8.0	82.0	

MAPID: 06300633000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 25 NENENWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.488251

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.224606

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 623.0 LOGGED (FT.): 77.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
552.0	CARBONDALE	HERRIN	COAL	6.0	71.0	

MAPID: 06300634000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 25 SESWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.488545

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.218729

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 616.0 LOGGED (FT.): 83.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
541.0	CARBONDALE	HERRIN	COAL	8.5	75.0	

MAPID: 06300635000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 25 SENWNNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.488726

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.222338

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 624.0 LOGGED (FT.): 90.4

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
541.0	CARBONDALE	HERRIN	COAL	7.4	83.0	

MAPID: 06300611000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 26 SENWSESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.494816

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.212736

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 622.0 LOGGED (FT.): 68.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
555.0	CARBONDALE	HERRIN	COAL	1.0	67.0	

MAPID: 06300614000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 26 SESWSWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.49957

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.210837

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 627.0 LOGGED (FT.): 79.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
555.0	CARBONDALE	HERRIN	COAL	7.5	72.0	

MAPID: 06300616000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 26 SESESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.492308

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.210975

DATE COLLECTED: 0 / 0 / 1925

SURFACE ELEVATION (FT.): 629.6 LOGGED (FT.): 214.8

LOG TYPE: Drillers Log

SOURCE: VERONA COAL CO.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
629.6			UNCONSOLIDATED	78.0	0.0	
551.6	CARBONDALE		UNDERCLAY	1.0	78.0	
550.6	CARBONDALE		SHALE	20.0	79.0	
530.6	CARBONDALE	HERRIN	COAL	2.9	99.0	UNCERTAIN CORRELATION
527.7	CARBONDALE		CLAYSTONE	0.2	101.9	
527.5	CARBONDALE		COAL	1.7	102.1	
525.8	CARBONDALE		CLAYSTONE	0.2	103.8	
525.6	CARBONDALE		COAL	1.8	104.0	
523.8	CARBONDALE		UNDERCLAY	2.3	105.8	
521.4	CARBONDALE		BONE COAL	1.1	108.2	
520.3	CARBONDALE		UNCLASSIFIED	1.3	109.3	
519.0	CARBONDALE		COAL	1.2	110.6	
517.8	CARBONDALE		UNDERCLAY	0.3	111.8	
517.5	CARBONDALE		BONE COAL	0.3	112.1	
517.2	CARBONDALE		UNDERCLAY	6.3	112.4	
510.8	CARBONDALE	SPRINGFIELD	COAL	2.0	118.8	
508.8	CARBONDALE		UNDERCLAY	5.2	120.8	
503.7	CARBONDALE		SANDSTONE	8.8	125.9	
494.9	CARBONDALE		CONGLOMERATE	2.5	134.7	
492.4	CARBONDALE		UNDERCLAY	1.1	137.2	
491.3	CARBONDALE	EXCELLO	BLACK SHALE	2.4	138.3	
488.9	CARBONDALE		UNDERCLAY	19.4	140.7	
469.5	CARBONDALE		SHALE	29.3	160.1	
440.3	CARBONDALE		UNDERCLAY	8.2	189.3	
432.1	CARBONDALE		SHALE	12.1	197.5	
420.0	CARBONDALE	COLCHESTER	COAL	3.0	209.6	
417.0	SPOON		UNDERCLAY	2.2	212.6	

MAPID: 06300616000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 26 SESESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.492308

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.210975

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 630.0 LOGGED (FT.): 213.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
530.0	CARBONDALE	HERRIN	COAL	9.8	100.0	
520.2	CARBONDALE		UNCLASSIFIED	28.2	109.8	
492.0	CARBONDALE	SPRINGFIELD	COAL	-	138.0	
492.0	CARBONDALE		UNCLASSIFIED	72.0	138.0	
420.0	CARBONDALE	COLCHESTER	COAL	3.0	210.0	

MAPID: 06300617000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 26 SWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.495869

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.222205

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 624.0 LOGGED (FT.): 100.4

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
531.0	CARBONDALE	HERRIN	COAL	7.4	93.0	

MAPID: 06300618000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 26 SWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: KINSMAN LONGITUDE: -88.500662

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.222118

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 624.0 LOGGED (FT.): 96.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
535.0	CARBONDALE	HERRIN	COAL	7.9	89.0	

MAPID: 06300619000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 26 NESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.493382

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.220441

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 623.0 LOGGED (FT.): 89.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
541.0	CARBONDALE	HERRIN	COAL	7.7	82.0	

MAPID: 06300610000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 35 NENWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MAZON LONGITUDE: -88.497708

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.20952

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 630.0 LOGGED (FT.): 210.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: FAIR LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
546.0	CARBONDALE	HERRIN	COAL	4.5	84.0	
541.5	CARBONDALE		UNCLASSIFIED	44.5	88.5	
497.0	CARBONDALE	SPRINGFIELD	COAL	-	133.0	
497.0	CARBONDALE		UNCLASSIFIED	74.0	133.0	
423.0	CARBONDALE	COLCHESTER	COAL	3.0	207.0	

MAPID: 06370004000C VERSION: 1

PROJECT: NCRDS

COUNTY: GRUNDY TWP/RNG: 32N 6E SECTION: 35

FOOT (NS): 1050 S FOOT (EW): 1400 W

QUADRANGLE: KINSMAN LONGITUDE: -88.505574

GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.198689

DATE COLLECTED: 0 / 0 / 1921

SURFACE ELEVATION (FT.): 630.0 LOGGED (FT.): 224.0

LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 610

WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
630.0			UNCLASSIFIED	84.5	0.0	
545.5	CARBONDALE	HERRIN	COAL	6.0	84.5	
539.5	CARBONDALE		UNCLASSIFIED	42.5	90.5	
497.0	CARBONDALE		BLACK SHALE	2.5	133.0	
494.5	CARBONDALE	SPRINGFIELD	COAL	4.0	135.5	
490.5	CARBONDALE		UNCLASSIFIED	31.5	139.5	
459.0	CARBONDALE		SANDY SHALE	36.0	171.0	
423.0	CARBONDALE	HOUCHIN CREEK	COAL	3.0	207.0	
420.0	CARBONDALE		CLAYSTONE	14.0	210.0	

MAPID: 06300603000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 7E SECTION: 12 NWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.370321

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.270415

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 560.0

LOGGED (FT.): 37.2

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
538.0	CARBONDALE	SPRINGFIELD	COAL	-	22.0	
538.0	CARBONDALE		UNCLASSIFIED	14.0	22.0	
524.0	CARBONDALE	HOUCHIN CREEK	COAL	1.2	36.0	

MAPID: 06300601000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 32N 7E SECTION: 13 NENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.362653

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.248981

DATE COLLECTED: 2 / 22 / 1932

SURFACE ELEVATION (FT.): 556.9

LOGGED (FT.): 59.8

LOG TYPE: Drillers Log

SOURCE: CENTRAL INDIANA COAL CO.

WELL TYPE: Coal Test

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
556.9			UNCONSOLIDATED	12.8	0.0	
544.1	CARBONDALE		SANDSTONE	8.7	12.8	
535.5	CARBONDALE		SHALE	10.8	21.4	
524.7	CARBONDALE		BLACK SHALE	3.0	32.2	
521.7	CARBONDALE		SHALE	10.0	35.2	
511.7	CARBONDALE	EXCELLO	BLACK SHALE	2.0	45.2	UNCERTAIN CORRELATION
509.7	CARBONDALE	HOUCHIN CREEK	COAL	2.0	47.2	UNCERTAIN CORRELATION
507.7	CARBONDALE		UNDERCLAY	3.0	49.2	
504.7	CARBONDALE		SHALE	7.7	52.2	

MAPID: 06300601000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 7E SECTION: 13 NENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.362653

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.248981

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 557.0

LOGGED (FT.): 49.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
525.0	CARBONDALE	SPRINGFIELD	COAL	-	32.0	
525.0	CARBONDALE		UNCLASSIFIED	15.0	32.0	
510.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	47.0	

MAPID: 06300600000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 7E SECTION: 14 SENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.382196

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.253855

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 59.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
513.0	CARBONDALE	SPRINGFIELD	COAL	-	52.0	
513.0	CARBONDALE		UNCLASSIFIED	7.0	52.0	
506.0	CARBONDALE	HOUCHIN CREEK	COAL	-	59.0	

MAPID: 06300599000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 7E SECTION: 24 SESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.362387

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.236342

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 557.0 LOGGED (FT.): 57.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
515.0	CARBONDALE	SPRINGFIELD	COAL	-	42.0	
515.0	CARBONDALE		UNCLASSIFIED	13.0	42.0	
502.0	CARBONDALE	HOUCHIN CREEK	COAL	2.0	55.0	

MAPID: 06301020000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 1 SWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.250579

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.285809

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 96.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
472.0	CARBONDALE	COLCHESTER	COAL	3.0	93.0	

MAPID: 06300075000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 4 SWSNWNE
QUADRANGLE: COAL CITY LONGITUDE: -88.311147
CONFIDENTIAL: N LATITUDE: 41.284045
SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 133.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
428.0	CARBONDALE	COLCHESTER	COAL	1.9	132.0	

MAPID: 06300076000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 7 SENESWNE
QUADRANGLE: COAL CITY LONGITUDE: -88.347923
CONFIDENTIAL: N LATITUDE: 41.267037
SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 107.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
526.0	CARBONDALE	HOUCHIN CREEK	COAL	1.1	29.0	
524.9	CARBONDALE		UNCLASSIFIED	74.9	30.1	
450.0	CARBONDALE	COLCHESTER	COAL	2.9	105.0	

MAPID: 06300077000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 8 NENESWNW
QUADRANGLE: COAL CITY LONGITUDE: -88.338328
CONFIDENTIAL: N LATITUDE: 41.268147
SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 115.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
530.0	CARBONDALE	HOUCHIN CREEK	COAL	-	28.0	
530.0	CARBONDALE		UNCLASSIFIED	84.0	28.0	
446.0	CARBONDALE	COLCHESTER	COAL	3.0	112.0	

MAPID: 06300596000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 8 SWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.336543

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.269545

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 139.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
511.0	CARBONDALE	HOUCHIN CREEK	COAL	-	47.0
511.0	CARBONDALE		UNCLASSIFIED	89.0	47.0
422.0	CARBONDALE	COLCHESTER	COAL	3.0	136.0

MAPID: 06300078000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 10 SE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.289553

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.262438

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 130.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
452.0	CARBONDALE	COLCHESTER	COAL	2.9	128.0

MAPID: 06300595000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 10 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.285883

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.259759

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 572.0 LOGGED (FT.): 118.2

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
457.0	CARBONDALE	COLCHESTER	COAL	3.2	115.0

MAPID: 06301023000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 13 NENWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.26189

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.258356

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 574.0 LOGGED (FT.): 126.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
451.0	CARBONDALE	COLCHESTER	COAL	3.7	123.0	

MAPID: 06300080000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 14 NWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.272446

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.250064

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 111.3

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
462.0	CARBONDALE	COLCHESTER	COAL	3.3	108.0	

MAPID: 06300081000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 15 SENENWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.299371

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.250004

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 126.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
451.0	CARBONDALE	COLCHESTER	COAL	2.5	124.0	

MAPID: 06300082000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 17 NENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.335052

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.255973

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 562.0 LOGGED (FT.): 151.8

LOG TYPE: Drillers Log

SOURCE: WILMINGTON STAR MINING CO.

WELL TYPE: Coal Test

COMMENT: LOCATION & ELEVATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
562.0			UNCONSOLIDATED	23.5	0.0	
538.5	CARBONDALE		SANDSTONE	12.0	23.5	
526.5	CARBONDALE		UNCLASSIFIED	8.0	35.5	
518.5	CARBONDALE		SANDSTONE	0.5	43.5	
518.0	CARBONDALE		SHALE	0.5	44.0	
517.5	CARBONDALE		BLACK SHALE	3.0	44.5	
514.5	CARBONDALE		UNDERCLAY	4.5	47.5	
510.0	CARBONDALE		SHALE	5.0	52.0	
505.0	CARBONDALE	MECCA QUARRY	BLACK SHALE	3.5	57.0	
501.5	CARBONDALE	COLCHESTER	COAL	1.5	60.5	
500.0	SPOON		UNDERCLAY	5.0	62.0	
495.0	SPOON		SANDSTONE	32.5	67.0	
462.5	SPOON		SHALE	4.3	99.5	
458.2	SPOON		SANDSTONE	19.0	103.8	
439.2	SPOON		SHALE	26.0	122.8	
413.2	SPOON		COAL	3.0	148.8	

MAPID: 06300082000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 17 NENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.335052

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.255973

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 151.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
514.0	CARBONDALE	SPRINGFIELD	COAL	-	44.0	
514.0	CARBONDALE		UNCLASSIFIED	16.0	44.0	
498.0	CARBONDALE	HOUCHIN CREEK	COAL	1.5	60.0	
496.5	CARBONDALE		UNCLASSIFIED	86.5	61.5	
410.0	CARBONDALE	COLCHESTER	COAL	3.0	148.0	

MAPID: 06301024000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 18 SESENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.35307

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.251036

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 42.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
516.0	CARBONDALE	SPRINGFIELD	COAL	-	42.0	

MAPID: 06300083000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 20 NESENEW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.332934

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.241016

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 142.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
426.0	CARBONDALE	COLCHESTER	COAL	3.0	139.0	

MAPID: 06300084000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 22 SENENWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.289537

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.242986

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 573.0 LOGGED (FT.): 121.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
455.0	CARBONDALE	COLCHESTER	COAL	3.5	118.0	

MAPID: 06300591000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 25 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.263133

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.229099

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 123.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
460.0	CARBONDALE	COLCHESTER	COAL	3.0	120.0	

MAPID: 06300592000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 25 NWNW NESW
QUADRANGLE: GARDNER LONGITUDE: -88.258499
CONFIDENTIAL: N LATITUDE: 41.222488
SURFACE ELEVATION (FT.): 580.0 LOGGED (FT.): 118.3
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
465.0	CARBONDALE	COLCHESTER	COAL	3.3	115.0	

MAPID: 06300740000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 26 NESESW
QUADRANGLE: GARDNER LONGITUDE: -88.274703
CONFIDENTIAL: N LATITUDE: 41.218183
SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 136.5
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
540.0	CARBONDALE	HOUCHIN CREEK	COAL	1.7	35.0	
538.3	CARBONDALE		UNCLASSIFIED	97.3	36.7	
441.0	CARBONDALE	COLCHESTER	COAL	2.5	134.0	

MAPID: 06300589000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 27 SESW NESW
QUADRANGLE: GARDNER LONGITUDE: -88.295878
CONFIDENTIAL: N LATITUDE: 41.219136
SURFACE ELEVATION (FT.): 569.0 LOGGED (FT.): 134.3
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
435.0	CARBONDALE	COLCHESTER	COAL	0.3	134.0	

MAPID: 06300588000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 28 NENWSENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.305732

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.225241

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 569.0 LOGGED (FT.): 135.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN COMMENT
437.0	CARBONDALE	COLCHESTER	COAL	3.5	132.0

MAPID: 06300586000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 29 NENENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.322395

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.221299

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 64.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN COMMENT
505.0	CARBONDALE	HOUCHIN CREEK	COAL	2.7	62.0

MAPID: 06300587000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 29 SENWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.339559

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.220181

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 567.0 LOGGED (FT.): 67.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN COMMENT
510.0	CARBONDALE	HOUCHIN CREEK	COAL	1.7	57.0
508.3	CARBONDALE		UNCLASSIFIED	8.3	58.7
500.0	CARBONDALE	LOWELL	COAL	0.5	67.0

MAPID: 06300585000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 30 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.352217

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.220288

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 566.0 LOGGED (FT.): 62.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
523.0	CARBONDALE	SPRINGFIELD	COAL	-	43.0	
523.0	CARBONDALE		UNCLASSIFIED	17.0	43.0	
506.0	CARBONDALE	HOUCHIN CREEK	COAL	2.5	60.0	

MAPID: 06300579000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 35 SENWNVNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.271557

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.214155

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 124.4

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
540.0	CARBONDALE	HOUCHIN CREEK	COAL	3.0	35.0	
537.0	CARBONDALE		UNCLASSIFIED	83.0	38.0	
454.0	CARBONDALE	COLCHESTER	COAL	3.4	121.0	

MAPID: 06300085000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 32N 8E SECTION: 36 NESWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: GARDNER LONGITUDE: -88.259917

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.211142

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 96.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
488.0	CARBONDALE	COLCHESTER	COAL	1.1	95.0	

MAPID: 06301652000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 2 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.502316

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.369559

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 143.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
430.0	CARBONDALE	COLCHESTER	COAL	3.0	140.0

MAPID: 06301652000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 2 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.502316

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.369559

DATE COLLECTED: 7 / 1 / 1958

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 350.0

LOG TYPE: Drillers Log

SOURCE: J. T. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
555.0			UNCONSOLIDATED	31.0	0.0
524.0			ROCK	22.0	31.0
502.0			SHALE	87.0	53.0
415.0	CARBONDALE	COLCHESTER	COAL	3.0	140.0
412.0			ROCK	207.0	143.0

MAPID: 06300021000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 3 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.521626

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.369475

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 176.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
421.0	CARBONDALE	COLCHESTER	COAL	2.0	174.0

MAPID: 06300021000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 3 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.521626

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.369475

DATE COLLECTED: 9 / 28 / 1914

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 330.0

LOG TYPE: Drillers Log

SOURCE: ANDREW JOHNSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
595.0			UNCONSOLIDATED	95.0	0.0
500.0			ROCK	79.0	95.0
421.0	CARBONDALE	COLCHESTER	COAL	2.0	174.0
419.0			ROCK	154.0	176.0

MAPID: 06300578000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 3 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.518687

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.356678

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 146.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
427.0	CARBONDALE	COLCHESTER	COAL	3.0	143.0

MAPID: 06300578000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 3 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.518687

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.356678

DATE COLLECTED: 0 / 0 / 1941

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 330.0

LOG TYPE: Drillers Log

SOURCE: J. T. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
570.0			UNDERCLAY/SHALE	140.0	0.0
430.0	CARBONDALE	COLCHESTER	COAL	3.0	140.0
427.0			ROCK	187.0	143.0

MAPID: 06300022000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 9 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.545008

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.347451

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 590.0

LOGGED (FT.): 138.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
454.0	CARBONDALE	COLCHESTER	COAL	2.0	136.0	

MAPID: 06300022000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 9 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.545008

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.347451

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 560.0

LOGGED (FT.): 380.0

LOG TYPE: Drillers Log

SOURCE: C. J. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
560.0			UNKNOWN	136.0	0.0	
424.0	CARBONDALE	COLCHESTER	COAL	2.0	136.0	
422.0			ROCK	242.0	138.0	

MAPID: 06300023000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 9 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.540203

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.347498

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 100.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
438.0	CARBONDALE	COLCHESTER	COAL	2.0	98.0	

MAPID: 06300023000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 9 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.540203

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.347498

DATE COLLECTED: 8 / 2 / 1906

SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 290.0

LOG TYPE: Drillers Log

SOURCE: C. J. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
520.0			UNCONSOLIDATED	50.0	0.0
470.0			ROCK	48.0	50.0
422.0	CARBONDALE	COLCHESTER	COAL	2.0	98.0
420.0			ROCK	190.0	100.0

MAPID: 06300577000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 9 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.554619

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.34735

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 609.0 LOGGED (FT.): 157.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
454.0	CARBONDALE	COLCHESTER	COAL	2.0	155.0

MAPID: 06300577000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 9 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.554619

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.34735

DATE COLLECTED: 3 / 0 / 1906

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 323.0

LOG TYPE: Drillers Log

SOURCE: T. F. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
610.0			UNDERCLAY/SHALE	155.0	0.0
455.0	CARBONDALE	COLCHESTER	COAL	2.0	155.0
453.0			ROCK	166.0	157.0

MAPID: 06301032000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 10 NWSENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.530677

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.351186

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 87.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
445.0	CARBONDALE	COLCHESTER	COAL	2.0	85.0

MAPID: 06301032000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 10 NWSENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.530677

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.351186

DATE COLLECTED: 8 / 25 / 1950

SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 300.0

LOG TYPE: Drillers Log

SOURCE: J. T. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
540.0			ROCK	85.0	0.0
455.0	CARBONDALE	COLCHESTER	COAL	2.0	85.0
453.0			ROCK	213.0	87.0

MAPID: 06322296000C VERSION: 1

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 10

FOOT (NS): 1120 N FOOT (EW): 1270 W

QUADRANGLE: SENECA LONGITUDE: -88.532176

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.352612

DATE COLLECTED: 7 / 10 / 1975

SURFACE ELEVATION (FT.): 587.0 LOGGED (FT.): 310.0

LOG TYPE: Drillers Log

SOURCE: S. D. ALBRECHT

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
587.0			UNCONSOLIDATED	24.0	0.0
563.0			SHALE	57.0	24.0
506.0	CARBONDALE	COLCHESTER	COAL	3.0	81.0
503.0			ROCK	226.0	84.0

MAPID: 06300895000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 11 SWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.506384

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.34954

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 69.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
453.0	CARBONDALE	COLCHESTER	COAL	2.0	67.0	

MAPID: 06300895000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 11 SWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.506384

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.34954

DATE COLLECTED: 0 / 0 / 1955

SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 406.0

LOG TYPE: Drillers Log

SOURCE: J. T. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
523.0			UNCONSOLIDATED	10.0	0.0	
513.0			SHALE	57.0	10.0	
456.0	CARBONDALE	COLCHESTER	COAL	2.0	67.0	
454.0			ROCK	337.0	69.0	

MAPID: 06300938000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 11 SWNWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.50208

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.347329

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 517.0 LOGGED (FT.): 84.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
436.0	CARBONDALE	COLCHESTER	COAL	3.0	81.0	

MAPID: 06301659000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 11 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.516199

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.354874

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 85.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
448.0	CARBONDALE	COLCHESTER	COAL	3.0	82.0	

MAPID: 06301659000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 11 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.516199

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.354874

DATE COLLECTED: 10 / 24 / 1902

SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 300.0

LOG TYPE: Drillers Log

SOURCE: T. F. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
540.0			UNKNOWN	82.0	0.0	
458.0	CARBONDALE	COLCHESTER	COAL	3.0	82.0	
455.0			UNKNOWN	215.0	85.0	

MAPID: 06301034000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 12 NESESWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.493744

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.350094

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 75.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
467.0	CARBONDALE	COLCHESTER	COAL	2.0	73.0	

MAPID: 06300937000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 6E **SECTION:** 14 SWNENW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: SENECA **LONGITUDE:** -88.510863 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.338627 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 504.0 **LOGGED (FT.):** 78.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
429.0	CARBONDALE	COLCHESTER	COAL	3.0	75.0	

MAPID: 06300940000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 6E **SECTION:** 14 SENENE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: MORRIS **LONGITUDE:** -88.498714 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.33878 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 507.0 **LOGGED (FT.):** 94.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
416.0	CARBONDALE	COLCHESTER	COAL	3.0	91.0	

MAPID: 06300941000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 6E **SECTION:** 14 NENENENE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: MORRIS **LONGITUDE:** -88.498212 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.341065 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 502.0 **LOGGED (FT.):** 72.5 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
432.0	CARBONDALE	COLCHESTER	COAL	2.5	70.0	

MAPID: 06301662000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 6E **SECTION:** 14 NWNWNE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: SENECA **LONGITUDE:** -88.506076 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.340515 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 510.0 **LOGGED (FT.):** 77.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
435.0	CARBONDALE	COLCHESTER	COAL	2.0	75.0	

MAPID: 06301662000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 14 NWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.506076

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.340515

DATE COLLECTED: 6 / 25 / 1946

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 335.0

LOG TYPE: Drillers Log

SOURCE: J. T. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
510.0			UNCONSOLIDATED	30.0	0.0
480.0			SHALE	45.0	30.0
435.0	CARBONDALE	COLCHESTER	COAL	2.0	75.0
433.0			ROCK	258.0	77.0

MAPID: 063060D0001F VERSION: 1

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 14 NWNWSENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.501694

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.337371

DATE COLLECTED: 0 / 0 / 1919

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 291.0

LOG TYPE: Drillers Log

SOURCE: FLD NOTES-CULVER

WELL TYPE:

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
500.0			UNCONSOLIDATED	5.0	0.0
495.0			ROCK	70.0	5.0
425.0			COAL	2.0	75.0
423.0			ROCK	214.0	77.0

MAPID: 06300024000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 15 NENESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.522307

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.337137

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 74.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
428.0	CARBONDALE	COLCHESTER	COAL	2.0	72.0

MAPID: 06300024000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 15 NENESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.522307

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.337137

DATE COLLECTED: 0 / 0 / 1916

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 291.0

LOG TYPE: Drillers Log

SOURCE: C. J. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
500.0			UNCONSOLIDATED	2.0	0.0	
498.0			ROCK	70.0	2.0	
428.0	CARBONDALE	COLCHESTER	COAL	2.0	72.0	
426.0			ROCK	217.0	74.0	

MAPID: 06300576000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 15 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.534511

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.327394

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 77.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
425.0	CARBONDALE	COLCHESTER	COAL	2.0	75.0	

MAPID: 06300576000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 15 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.534511

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.327394

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 291.0

LOG TYPE: Drillers Log

SOURCE: UNKNOWN

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
490.0			UNCONSOLIDATED	5.0	0.0	
485.0			ROCK	70.0	5.0	
415.0	CARBONDALE	COLCHESTER	COAL	2.0	75.0	
413.0			ROCK	214.0	77.0	

MAPID: 06301664000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 15 NWSENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.530104

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.336632

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 94.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
418.0	CARBONDALE	COLCHESTER	COAL	2.5	92.0	

MAPID: 06301664000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 15 NWSENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.530104

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.336632

DATE COLLECTED: 9 / 30 / 1903

SURFACE ELEVATION (FT.): 512.0 LOGGED (FT.): 305.0

LOG TYPE: Drillers Log

SOURCE: C. J. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
512.0			UNKNOWN	20.0	0.0	
492.0			ROCK	72.0	20.0	
420.0	CARBONDALE	COLCHESTER	COAL	2.5	92.0	
417.5			ROCK	210.5	94.5	

MAPID: 06300025000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 16 SESWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.553436

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.334157

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 80.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
422.0	CARBONDALE	COLCHESTER	COAL	2.0	78.0	

MAPID: 06300025000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 16 SESWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.553436

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.334157

DATE COLLECTED: 8 / 25 / 1903

SURFACE ELEVATION (FT.): 501.0 LOGGED (FT.): 169.0

LOG TYPE: Drillers Log

SOURCE: CHAS. DANIELSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
501.0			UNCONSOLIDATED	28.0	0.0	
473.0			ROCK	50.0	28.0	
423.0	CARBONDALE	COLCHESTER	COAL	2.0	78.0	
421.0			ROCK	89.0	80.0	

MAPID: 06301666000C VERSION: 1

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 17 NENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.566309

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.339877

DATE COLLECTED: 9 / 2 / 1926

SURFACE ELEVATION (FT.): 536.0 LOGGED (FT.): 258.0

LOG TYPE: Drillers Log

SOURCE: T. F. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
536.0			UNCONSOLIDATED	16.0	0.0	
520.0			ROCK	62.0	16.0	
458.0			COAL	-	78.0	
458.0			ROCK	180.0	78.0	

MAPID: 06301667000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 17 NWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.568714

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.339835

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 76.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
457.0	CARBONDALE	COLCHESTER	COAL	3.0	73.0	

MAPID: 06301667000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 17 NW/NENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.568714

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.339835

DATE COLLECTED: 11 / 28 / 1928

SURFACE ELEVATION (FT.): 528.0 LOGGED (FT.): 264.0

LOG TYPE: Drillers Log

SOURCE: T. F. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
528.0			UNCONSOLIDATED	15.0	0.0	
513.0			SHALE	58.0	15.0	"SOAPSTONE"
455.0	CARBONDALE	COLCHESTER	COAL	3.0	73.0	
452.0			ROCK	188.0	76.0	

MAPID: 06301669000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 20 SWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.563114

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.319893

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 495.0 LOGGED (FT.): 81.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
415.0	CARBONDALE	COLCHESTER	COAL	1.5	80.0	

MAPID: 06301669000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 20 SWSWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.563114

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.319893

DATE COLLECTED: 4 / 9 / 1943

SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 90.0

LOG TYPE: Drillers Log

SOURCE: J. T. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
490.0			UNCONSOLIDATED	20.0	0.0	
470.0			ROCK	60.0	20.0	
410.0	CARBONDALE	COLCHESTER	COAL	1.5	80.0	
408.5			ROCK	8.5	81.5	

MAPID: 06300026000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 21 NWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.548862

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.325561

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 92.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
410.0	CARBONDALE	COLCHESTER	COAL	2.5	90.0

MAPID: 06300026000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 21 NWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.548862

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.325561

DATE COLLECTED: 0 / 0 / 1916

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 285.8

LOG TYPE: Drillers Log

SOURCE: C. J. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
500.0			UNKNOWN	32.0	0.0
468.0			ROCK	58.5	32.0
409.5	CARBONDALE	COLCHESTER	COAL	2.5	90.5
407.0			ROCK	192.8	93.0

MAPID: 06300027000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 22 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.524593

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.318451

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 178.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
464.0	CARBONDALE	HOUCHIN CREEK	COAL	-	131.0
464.0	CARBONDALE		UNCLASSIFIED	47.0	131.0
417.0	CARBONDALE	COLCHESTER	COAL	-	178.0

MAPID: 06300027000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 22 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.524593

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.318451

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 374.0

LOG TYPE: Drillers Log

SOURCE: CRAFT FARM

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
595.0			UNKNOWN	0.0	0.0	

MAPID: 06301040000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 22 NWNESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.517855

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.315369

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 182.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
423.0	CARBONDALE	COLCHESTER	COAL	3.0	179.0	

MAPID: 06301040000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 22 NWNESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.517855

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.315369

DATE COLLECTED: 12 / 6 / 1895

SURFACE ELEVATION (FT.): 602.0 LOGGED (FT.): 408.0

LOG TYPE: Drillers Log

SOURCE: C. J. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
602.0			UNKNOWN	137.0	0.0	
465.0			ROCK	42.0	137.0	
423.0	CARBONDALE	COLCHESTER	COAL	3.0	179.0	
420.0			ROCK	226.0	182.0	

MAPID: 06300575000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 23 NENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.49815

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.326016

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 582.0 LOGGED (FT.): 123.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
462.0	CARBONDALE	COLCHESTER	COAL	3.0	120.0	

MAPID: 06300574000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 27 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.526311

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.303847

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 203.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
495.0	CARBONDALE	SPRINGFIELD	COAL	2.0	115.0	
493.0	CARBONDALE		UNCLASSIFIED	83.0	117.0	
410.0	CARBONDALE	COLCHESTER	COAL	3.0	200.0	

MAPID: 06300574000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 27 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.526311

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.303847

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 609.0 LOGGED (FT.): 440.0

LOG TYPE: Drillers Log

SOURCE: C. J. ANDERSON

WELL TYPE: Water Well

COMMENT: CORRELATIONS BY R. JACOBSON

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
609.0			UNCONSOLIDATED	60.0	0.0	
549.0			ROCK	55.0	60.0	
494.0	CARBONDALE	SPRINGFIELD	COAL	2.0	115.0	
492.0	CARBONDALE		ROCK	83.0	117.0	
409.0	CARBONDALE	COLCHESTER	COAL	3.0	200.0	
406.0			ROCK	237.0	203.0	

MAPID: 06301043000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 27 NWNWNESE
QUADRANGLE: SENECA LONGITUDE: -88.519699
CONFIDENTIAL: N LATITUDE: 41.304372
SURFACE ELEVATION (FT.): 608.0 LOGGED (FT.): 212.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
479.0	CARBONDALE	SPRINGFIELD	COAL	1.0	129.0
478.0	CARBONDALE		UNCLASSIFIED	82.0	130.0
396.0	CARBONDALE	COLCHESTER	COAL	-	212.0

MAPID: 06301043000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 27 NWNWNESE
QUADRANGLE: SENECA LONGITUDE: -88.519699
CONFIDENTIAL: N LATITUDE: 41.304372
SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 494.7
SOURCE: C. J. ANDERSON
COMMENT: CORRELATIONS BY R. JACOBSON

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: TREWORGY,J
DATE COLLECTED: 0 / 0 / 1916
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
610.0			UNCONSOLIDATED	53.0	0.0
557.0			ROCK	27.0	53.0
530.0	CARBONDALE	SPRINGFIELD	COAL	1.0	80.0
529.0	CARBONDALE		ROCK	73.0	81.0
456.0	CARBONDALE	COLCHESTER	COAL	-	154.0
456.0			ROCK	340.7	154.0

MAPID: 06300028000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 29 SESESW
QUADRANGLE: SENECA LONGITUDE: -88.564528
CONFIDENTIAL: N LATITUDE: 41.298042
SURFACE ELEVATION (FT.): 606.0 LOGGED (FT.): 183.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
426.0	CARBONDALE	COLCHESTER	COAL	3.0	180.0

MAPID: 06300028000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 29 SESESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.564528

GEOLOGIST: TREWORYG,J

CONFIDENTIAL: N LATITUDE: 41.298042

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 596.0 LOGGED (FT.): 1510.0

LOG TYPE: Drillers Log

SOURCE: J. A. M. ROBINSON, ENGR.

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
596.0			UNCONSOLIDATED	71.0	0.0
525.0			ROCK	72.0	71.0
453.0			SHALE	37.0	143.0
416.0	CARBONDALE	COLCHESTER	COAL	3.0	180.0
413.0			ROCK	1327.0	183.0

MAPID: 06300028000C VERSION: 3

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 29 SESESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.564528

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.298042

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 604.0 LOGGED (FT.): 224.0

LOG TYPE: Drillers Log

SOURCE: E.I. DUPONT DE NEMOURS & CO.

WELL TYPE: Unsuccessful or Unknown Results

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
604.0			UNCONSOLIDATED	71.0	0.0
533.0	CARBONDALE		SANDSTONE	6.0	71.0
527.0	CARBONDALE		SHALE	59.0	77.0
468.0	CARBONDALE		SANDSTONE	7.0	136.0
461.0	CARBONDALE		SHALE	37.0	143.0
424.0	CARBONDALE	COLCHESTER	COAL	3.0	180.0
421.0	SPOON		SHALE	41.0	183.0

MAPID: 06300573000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 30 SWNENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.584946

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.310123

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 108.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
396.0	CARBONDALE	COLCHESTER	COAL	4.0	104.0

MAPID: 06300573000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 30 SWNENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.584946

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.310123

DATE COLLECTED: 0 / 0 / 1943

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 360.0

LOG TYPE: Drillers Log

SOURCE: J. P. MILLER, ARTESIAN WELL CO

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
500.0			ROCK	40.0	0.0	
460.0			LIMESTONE	64.0	40.0	
396.0	CARBONDALE	COLCHESTER	COAL	4.0	104.0	
392.0			ROCK	252.0	108.0	

MAPID: 06301055000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 30 NESWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.586114

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.309202

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 95.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
408.0	CARBONDALE	COLCHESTER	COAL	3.0	92.0	

MAPID: 06301055000C VERSION: 2

PROJECT: BLM

COUNTY: GRUNDY TWP/RNG: 33N 6E SECTION: 30 NESWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.586114

GEOLOGIST: TREWORGY,J

CONFIDENTIAL: N LATITUDE: 41.309202

DATE COLLECTED: 10 / 18 / 1950

SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 310.0

LOG TYPE: Drillers Log

SOURCE: J. T. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
510.0			UNCONSOLIDATED	35.0	0.0	
475.0			SHALE	57.0	35.0	SANDY
418.0	CARBONDALE	COLCHESTER	COAL	3.0	92.0	
415.0			ROCK	215.0	95.0	

MAPID: 06300029000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 3 SENENWNW
QUADRANGLE: MORRIS LONGITUDE: -88.417643
CONFIDENTIAL: N LATITUDE: 41.370861
SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 24.6
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
493.0	CARBONDALE	COLCHESTER	COAL	2.6	22.0	

MAPID: 06301692000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 3 SWSWNE
QUADRANGLE: MORRIS LONGITUDE: -88.410876
CONFIDENTIAL: N LATITUDE: 41.365933
SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 37.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
491.0	CARBONDALE	COLCHESTER	COAL	3.0	34.0	

MAPID: 06300030000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 NENW
QUADRANGLE: MORRIS LONGITUDE: -88.433983
CONFIDENTIAL: N LATITUDE: 41.369973
SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 28.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
494.0	CARBONDALE	COLCHESTER	COAL	2.0	26.0	

MAPID: 06300031000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 NENWSE
QUADRANGLE: MORRIS LONGITUDE: -88.427672
CONFIDENTIAL: N LATITUDE: 41.363704
SURFACE ELEVATION (FT.): 510.0 LOGGED (FT.): 65.5
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
447.0	CARBONDALE	COLCHESTER	COAL	2.5	63.0	

MAPID: 06301079000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 SWSESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.425053

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.358226

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 69.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
456.0	CARBONDALE	COLCHESTER	COAL	2.0	67.0	

MAPID: 06301080000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 SWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.430025

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.361819

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 505.0 LOGGED (FT.): 60.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Oil and Gas Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
445.0	CARBONDALE	COLCHESTER	COAL	-	60.0	

MAPID: 06302040000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 SENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.433838

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.36632

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 34.8

LOG TYPE: Survey Core Study

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
491.0	CARBONDALE	COLCHESTER	COAL	2.8	32.0	

MAPID: 06390014000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 NW

FOOT (NS): 1180 N FOOT (EW): 1400 W

QUADRANGLE: MORRIS LONGITUDE: -88.436096

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.368491

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 526.0 LOGGED (FT.): 42.8

LOG TYPE: Company map

SOURCE: MIDLAND COAL 812

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
526.0			UNCLASSIFIED	40.0	0.0
486.0	CARBONDALE	COLCHESTER	COAL	2.8	40.0

MAPID: 06390015000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 SW

FOOT (NS): 80 N FOOT (EW): 320 E

QUADRANGLE: MORRIS LONGITUDE: -88.432505

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.364298

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 428.5 LOGGED (FT.): 37.6

LOG TYPE: Company map

SOURCE: MIDLAND COAL 3946

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
428.5			UNCLASSIFIED	35.0	0.0
393.5	CARBONDALE	COLCHESTER	COAL	2.6	35.0

MAPID: 06390016000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 SW

FOOT (NS): 160 N FOOT (EW): 1560 W

QUADRANGLE: MORRIS LONGITUDE: -88.43532

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.36402

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): LOGGED (FT.): 45.2

LOG TYPE: Company map

SOURCE: MIDLAND COAL 3969

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
-			UNCLASSIFIED	43.0	0.0
-	CARBONDALE	COLCHESTER	COAL	2.2	43.0

MAPID: 06390017000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 4 NW

FOOT (NS): 720 S FOOT (EW): 1000 W

QUADRANGLE: MORRIS LONGITUDE: -88.437468

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.366399

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 521.0 LOGGED (FT.): 39.4

LOG TYPE: Company map

SOURCE: MIDLAND COAL 819

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
521.0			UNCLASSIFIED	37.0	0.0	
484.0	CARBONDALE	COLCHESTER	COAL	2.4	37.0	

MAPID: 06301083000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 5 NENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.452159

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.37038

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 80.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
467.0	CARBONDALE	COLCHESTER	COAL	2.0	78.0	

MAPID: 06301698000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 5 NWNESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.444617

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.363332

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 49.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
478.0	CARBONDALE	COLCHESTER	COAL	2.0	47.0	

MAPID: 06301701000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 6 NWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.468839

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.369959

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 95.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
437.0	CARBONDALE	COLCHESTER	COAL	2.5	93.0	

MAPID: 06301703000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 7 NESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.466036

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.351925

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 515.0 LOGGED (FT.): 94.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
423.0	CARBONDALE	COLCHESTER	COAL	2.0	92.0	

MAPID: 06390003000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 7 SE

FOOT (NS): 140 S FOOT (EW): 1580 E

QUADRANGLE: MORRIS LONGITUDE: -88.466023

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.342332

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 490.0 LOGGED (FT.): 60.3

LOG TYPE: Company map

SOURCE: MIDLAND COAL 2572

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
490.0			UNCLASSIFIED	57.0	0.0	
433.0	CARBONDALE	COLCHESTER	COAL	3.3	57.0	

MAPID: 06390004000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 8 SE

FOOT (NS): 940 S FOOT (EW): 1020 E

QUADRANGLE: MORRIS LONGITUDE: -88.444701

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.345037

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 40.0

LOG TYPE: Company map

SOURCE: MIDLAND COAL 2528

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL.ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
492.0			UNCLASSIFIED	37.0	0.0
455.0	CARBONDALE	COLCHESTER	COAL	3.0	37.0

MAPID: 06390005000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 8 SW

FOOT (NS): 480 S FOOT (EW): 740 E

QUADRANGLE: MORRIS LONGITUDE: -88.453319

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.343548

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 65.5

LOG TYPE: Company map

SOURCE: MIDLAND COAL 2068

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP - CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
492.0			UNCLASSIFIED	63.0	0.0
429.0	CARBONDALE	COLCHESTER	COAL	2.5	63.0

MAPID: 06390001000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 9 SW

FOOT (NS): 1020 S FOOT (EW): 600 E

QUADRANGLE: MORRIS LONGITUDE: -88.43347

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.345564

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 493.0 LOGGED (FT.): 28.1

LOG TYPE: Company map

SOURCE: MIDLAND COAL 2578

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL.ON MAP-CASE6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
493.0			UNCLASSIFIED	26.0	0.0
467.0	CARBONDALE	COLCHESTER	COAL	2.1	26.0

MAPID: 06300032000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 10 NWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.420377

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.345795

DATE COLLECTED: 3 / 0 / 1933

SURFACE ELEVATION (FT.): 496.0

LOGGED (FT.): 46.2

LOG TYPE: Drillers Log

SOURCE: CENTRAL INDIANA COAL CO.

WELL TYPE: Coal Test

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
496.0			UNCONSOLIDATED	31.3	0.0
464.7	CARBONDALE		SHALE	10.7	31.3
454.0	CARBONDALE	COLCHESTER	COAL	2.7	42.0
451.3	SPOON		UNDERCLAY	1.5	44.7

MAPID: 06300032000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 10 NWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.420377

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.345795

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 496.0

LOGGED (FT.): 44.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
454.0	CARBONDALE	COLCHESTER	COAL	2.7	42.0

MAPID: 06301102000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 13 NWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.371712

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.335838

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 525.0

LOGGED (FT.): 77.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
451.0	CARBONDALE	COLCHESTER	COAL	3.0	74.0

MAPID: 06301715000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 13 SENWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.369426

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.341348

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 74.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
459.0	CARBONDALE	COLCHESTER	COAL	3.0	71.0	

MAPID: 06301716000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 13 SENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.364448

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.334151

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 57.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
475.0	CARBONDALE	COLCHESTER	COAL	2.0	55.0	

MAPID: 06302047000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 15 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.419996

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.329345

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 13.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
523.0	CARBONDALE	HOUCHIN CREEK	COAL	1.0	12.0	

MAPID: 06390002000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 16 NW

FOOT (NS): 360 N FOOT (EW): 1020 W

QUADRANGLE: MORRIS LONGITUDE: -88.437256

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.341654

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 496.0 LOGGED (FT.): 78.2

LOG TYPE: Company map

SOURCE: MIDLAND COAL 4180

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
496.0			UNCLASSIFIED	74.0	0.0	
422.0	CARBONDALE	COLCHESTER	COAL	4.2	74.0	

MAPID: 06390008000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 17 NW

FOOT (NS): 520 N FOOT (EW): 980 W

QUADRANGLE: MORRIS LONGITUDE: -88.456622

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.340706

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 492.0 LOGGED (FT.): 42.5

LOG TYPE: Company map

SOURCE: MIDLAND COAL 2564

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
492.0			UNCLASSIFIED	40.0	0.0	
452.0	CARBONDALE	COLCHESTER	COAL	2.5	40.0	

MAPID: 06390009000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 17 NW

FOOT (NS): 640 S FOOT (EW): 380 E

QUADRANGLE: MORRIS LONGITUDE: -88.451839

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.33673

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 499.0 LOGGED (FT.): 78.4

LOG TYPE: Company map

SOURCE: MIDLAND COAL 4170

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
499.0			UNCLASSIFIED	75.0	0.0	
424.0	CARBONDALE	COLCHESTER	COAL	3.4	75.0	

MAPID: 0639001000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 17 NE
QUADRANGLE: MORRIS LONGITUDE: -88.449113
CONFIDENTIAL: N LATITUDE: 41.340569
SURFACE ELEVATION (FT.): 494.0 LOGGED (FT.): 68.8
SOURCE: MIDLAND COAL 4115
COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

PROJECT: NCRDS99
FOOT (NS): 640 N FOOT (EW): 400 W
GEOLOGIST: J.MCBETH
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Company map
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
494.0			UNCLASSIFIED	65.0	0.0
429.0	CARBONDALE	COLCHESTER	COAL	3.8	65.0

MAPID: 06390011000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 17 NE
QUADRANGLE: MORRIS LONGITUDE: -88.443124
CONFIDENTIAL: N LATITUDE: 41.336212
SURFACE ELEVATION (FT.): 508.0 LOGGED (FT.): 85.9
SOURCE: MIDLAND COAL 1965
COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

PROJECT: NCRDS99
FOOT (NS): 380 S FOOT (EW): 640 E
GEOLOGIST: J.MCBETH
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Company map
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
508.0			UNCLASSIFIED	82.0	0.0
426.0	CARBONDALE	COLCHESTER	COAL	3.9	82.0

MAPID: 06390007000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 18 NE
QUADRANGLE: MORRIS LONGITUDE: -88.466808
CONFIDENTIAL: N LATITUDE: 41.336186
SURFACE ELEVATION (FT.): 500.0 LOGGED (FT.): 37.0
SOURCE: MIDLAND COAL 4089
COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

PROJECT: NCRDS99
FOOT (NS): 560 S FOOT (EW): 1840 E
GEOLOGIST: J.MCBETH
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Company map
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
500.0			UNCLASSIFIED	35.0	0.0
465.0	CARBONDALE	COLCHESTER	COAL	2.0	35.0

MAPID: 06301735000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 21 NWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.42961

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.327269

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 538.0 LOGGED (FT.): 100.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
438.0	CARBONDALE	COLCHESTER	COAL	-	100.0	

MAPID: 06301743000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 23 SESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.383496

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.322879

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 113.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
440.0	CARBONDALE	COLCHESTER	COAL	3.0	110.0	

MAPID: 06300035000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 25 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.380794

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.310227

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 103.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
450.0	CARBONDALE	COLCHESTER	COAL	3.0	100.0	

MAPID: 06301751000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 26 SESENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.392886

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.308135

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 143.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
412.0	CARBONDALE	COLCHESTER	COAL	-	143.0	

MAPID: 06300036000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 33 SESESESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.430359

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.285127

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 206.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
485.0	CARBONDALE	HOUCHIN CREEK	COAL	-	85.0
485.0	CARBONDALE		UNCLASSIFIED	117.0	85.0
368.0	CARBONDALE	COLCHESTER	COAL	4.0	202.0

MAPID: 06300572000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 33 SENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.421615

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.296668

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 39.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
523.0	CARBONDALE	HOUCHIN CREEK	COAL	2.5	37.0

MAPID: 06301120000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 34 NWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.404713

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.298815

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 56.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
511.0	CARBONDALE	SPRINGFIELD	COAL	-	44.0
511.0	CARBONDALE		UNCLASSIFIED	10.0	44.0
501.0	CARBONDALE	HOUCHIN CREEK	COAL	2.5	54.0

MAPID: 06301761000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 7E **SECTION:** 35 SWSWSW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: MORRIS **LONGITUDE:** -88.399714 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.286252 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 560.0 **LOGGED (FT.):** 38.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
522.0	CARBONDALE	HOUCHIN CREEK	COAL	-	38.0	

MAPID: 06301123000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 7E **SECTION:** 36 SW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: MORRIS **LONGITUDE:** -88.376746 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.289454 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 36.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
515.0	CARBONDALE	HOUCHIN CREEK	COAL	1.0	35.0	

MAPID: 06301765000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 7E **SECTION:** 36 NENWSW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: MORRIS **LONGITUDE:** -88.378003 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.292144 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 555.0 **LOGGED (FT.):** 36.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
520.0	CARBONDALE	HOUCHIN CREEK	COAL	1.0	35.0	

MAPID: 06301766000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 7E **SECTION:** 36 SWSWSW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: MORRIS **LONGITUDE:** -88.380327 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.286653 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 558.0 **LOGGED (FT.):** 106.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
455.0	CARBONDALE	COLCHESTER	COAL	3.0	103.0	

MAPID: 06301767000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 7E SECTION: 36 SESWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.378032

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.293956

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 36.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
522.0	CARBONDALE	HOUCHIN CREEK	COAL	-	36.0	

MAPID: 06300038000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 9 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.307242

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.346325

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 522.0 LOGGED (FT.): 19.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
506.0	CARBONDALE	COLCHESTER	COAL	3.1	16.0	

MAPID: 06300040000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 9 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.323908

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.345998

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 10.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
512.0	CARBONDALE	COLCHESTER	COAL	2.5	8.0	

MAPID: 06301173000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 15 SWSWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.294873

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.331997

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 33.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
520.0	CARBONDALE	COLCHESTER	COAL	3.1	30.0	

MAPID: 06301174000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 15 SWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.293697

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.332929

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 24.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
529.0	CARBONDALE	COLCHESTER	COAL	3.0	21.0	

MAPID: 06301175000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 15 SWNESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.299764

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.335554

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 23.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
525.0	CARBONDALE	COLCHESTER	COAL	3.5	20.0	

MAPID: 06301181000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 15 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.304461

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.331831

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 542.0 LOGGED (FT.): 23.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
522.0	CARBONDALE	COLCHESTER	COAL	3.7	20.0	

MAPID: 06300049000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 16 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.323609

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.331487

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 46.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
502.0	CARBONDALE	COLCHESTER	COAL	3.0	43.0	

MAPID: 06300535000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 16 SWNWSNW
QUADRANGLE: COAL CITY LONGITUDE: -88.319617
CONFIDENTIAL: N LATITUDE: 41.340187
SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 14.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
523.0	CARBONDALE	COLCHESTER	COAL	2.9	12.0	

MAPID: 06300539000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 16 SWNWSW
QUADRANGLE: COAL CITY LONGITUDE: -88.323685
CONFIDENTIAL: N LATITUDE: 41.335117
SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 31.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
512.0	CARBONDALE	COLCHESTER	COAL	3.0	28.0	

MAPID: 06300540000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 16 SWNWNESW
QUADRANGLE: COAL CITY LONGITUDE: -88.319533
CONFIDENTIAL: N LATITUDE: 41.336557
SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 32.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
510.0	CARBONDALE	COLCHESTER	COAL	2.0	30.0	

MAPID: 06300543000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 16 NW
QUADRANGLE: COAL CITY LONGITUDE: -88.320242
CONFIDENTIAL: N LATITUDE: 41.341539
SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 16.5
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
516.0	CARBONDALE	COLCHESTER	COAL	2.5	14.0	

MAPID: 06300559000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 16 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.316557

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.337066

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 530.0

LOGGED (FT.): 37.8

LOG TYPE: Drillers Log

SOURCE: N.ILL. COAL CORP.

WELL TYPE: Coal Test

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
530.0			UNCONSOLIDATED	12.0	0.0	
518.0	CARBONDALE		SHALE	2.8	12.0	
515.2	CARBONDALE	COLCHESTER	COAL	3.2	14.8	
512.0	SPOON		UNDERCLAY	6.4	18.0	
505.6	SPOON		SHALE	3.3	24.4	
502.2	SPOON		UNCLASSIFIED	2.5	27.8	
499.7	CARBONDALE		SHALE	7.5	30.3	

MAPID: 06300559000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 16 NENESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.316557

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.337066

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 538.0

LOGGED (FT.): 17.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
524.0	CARBONDALE	COLCHESTER	COAL	3.1	14.0	

MAPID: 06300053000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17 SWSWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.342775

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.331082

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 536.0

LOGGED (FT.): 55.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
482.0	CARBONDALE	COLCHESTER	COAL	1.7	54.0	

MAPID: 06300238000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17
QUADRANGLE: COAL CITY LONGITUDE: -88.33452
CONFIDENTIAL: N LATITUDE: 41.337618
SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 41.5
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
496.0	CARBONDALE	COLCHESTER	COAL	2.5	39.0	

MAPID: 06300239000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17 SWSESE
QUADRANGLE: COAL CITY LONGITUDE: -88.328399
CONFIDENTIAL: N LATITUDE: 41.33139
SURFACE ELEVATION (FT.): 539.0 LOGGED (FT.): 45.2
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
496.0	CARBONDALE	COLCHESTER	COAL	2.2	43.0	

MAPID: 06300243000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17 SW
QUADRANGLE: COAL CITY LONGITUDE: -88.339237
CONFIDENTIAL: N LATITUDE: 41.333883
SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 45.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
502.0	CARBONDALE	COLCHESTER	COAL	2.0	43.0	

MAPID: 06300246000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17 SWSWNWSE
QUADRANGLE: COAL CITY LONGITUDE: -88.333857
CONFIDENTIAL: N LATITUDE: 41.334452
SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 36.6
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
507.0	CARBONDALE	COLCHESTER	COAL	3.6	33.0	

MAPID: 06300248000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17 SE
QUADRANGLE: COAL CITY LONGITUDE: -88.329652
CONFIDENTIAL: N LATITUDE: 41.334088
SURFACE ELEVATION (FT.): 539.0 LOGGED (FT.): 0.0
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

MAPID: 06300249000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17 NE
QUADRANGLE: COAL CITY LONGITUDE: -88.329806
CONFIDENTIAL: N LATITUDE: 41.341348
SURFACE ELEVATION (FT.): 530.0 LOGGED (FT.): 21.1
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
511.0	CARBONDALE	COLCHESTER	COAL	2.1	19.0

MAPID: 06300252000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 17 NWNWNWSE
QUADRANGLE: COAL CITY LONGITUDE: -88.333913
CONFIDENTIAL: N LATITUDE: 41.337177
SURFACE ELEVATION (FT.): 535.0 LOGGED (FT.): 38.0
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
499.0	CARBONDALE	COLCHESTER	COAL	2.0	36.0

MAPID: 06300056000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 18 SWSWNW
QUADRANGLE: COAL CITY LONGITUDE: -88.362132
CONFIDENTIAL: N LATITUDE: 41.337896
SURFACE ELEVATION (FT.): 540.0 LOGGED (FT.): 53.8
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
488.0	CARBONDALE	COLCHESTER	COAL	1.8	52.0

MAPID: 06300057000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 18 NWNWNW
QUADRANGLE: COAL CITY LONGITUDE: -88.362262
CONFIDENTIAL: N LATITUDE: 41.343319
SURFACE ELEVATION (FT.): 529.0 LOGGED (FT.): 35.3
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
496.0	CARBONDALE	COLCHESTER	COAL	2.3	33.0	

MAPID: 06300149000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 18 SESESWSE
QUADRANGLE: COAL CITY LONGITUDE: -88.349359
CONFIDENTIAL: N LATITUDE: 41.330484
SURFACE ELEVATION (FT.): 543.0 LOGGED (FT.): 26.8
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
518.0	CARBONDALE	COLCHESTER	COAL	1.8	25.0	

MAPID: 06300058000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 20 NWSWNENE
QUADRANGLE: COAL CITY LONGITUDE: -88.32894
CONFIDENTIAL: N LATITUDE: 41.328194
SURFACE ELEVATION (FT.): 541.0 LOGGED (FT.): 46.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
498.0	CARBONDALE	COLCHESTER	COAL	3.0	43.0	

MAPID: 06300146000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 20 SENENENE
QUADRANGLE: COAL CITY LONGITUDE: -88.325364
CONFIDENTIAL: N LATITUDE: 41.329182
SURFACE ELEVATION (FT.): 542.0 LOGGED (FT.): 36.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
508.0	CARBONDALE	COLCHESTER	COAL	2.9	34.0	

MAPID: 06301793000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 20 SESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.325885

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.324163

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 546.0 LOGGED (FT.): 48.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
498.0	CARBONDALE	COLCHESTER	COAL	-	48.0	

MAPID: 06300059000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 21 SWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.323496

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.324211

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 546.0 LOGGED (FT.): 49.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
499.0	CARBONDALE	COLCHESTER	COAL	2.9	47.0	

MAPID: 06300138000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 21

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.31511

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.323453

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 544.0 LOGGED (FT.): 45.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
501.0	CARBONDALE	COLCHESTER	COAL	2.9	43.0	

MAPID: 06300141000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 21 SENENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.306217

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.329526

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 32.9

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
515.0	CARBONDALE	COLCHESTER	COAL	2.9	30.0	

MAPID: 06300142000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 21 NE
QUADRANGLE: COAL CITY LONGITUDE: -88.310377
CONFIDENTIAL: N LATITUDE: 41.327176
SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 46.0
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
502.0	CARBONDALE	COLCHESTER	COAL	3.0	43.0

MAPID: 06300143000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 21 SENWNE
QUADRANGLE: COAL CITY LONGITUDE: -88.311584
CONFIDENTIAL: N LATITUDE: 41.328065
SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 39.5
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
506.0	CARBONDALE	COLCHESTER	COAL	0.5	39.0

MAPID: 06300144000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 21 SESENE
QUADRANGLE: COAL CITY LONGITUDE: -88.306754
CONFIDENTIAL: N LATITUDE: 41.324513
SURFACE ELEVATION (FT.): 548.0 LOGGED (FT.): 47.1
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
503.0	CARBONDALE	COLCHESTER	COAL	2.1	45.0

MAPID: 06300060000C VERSION: 1
COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 22
QUADRANGLE: COAL CITY LONGITUDE: -88.29595
CONFIDENTIAL: N LATITUDE: 41.323812
SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 55.7
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
497.0	CARBONDALE	COLCHESTER	COAL	2.7	53.0

MAPID: 06300121000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 22 NW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.300793 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.327352 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 39.9 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
511.0	CARBONDALE	COLCHESTER	COAL	2.9	37.0	

MAPID: 06300958000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 22 SWNWNWNE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.295429 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.329717 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 548.0 **LOGGED (FT.):** 24.3 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
525.0	CARBONDALE	COLCHESTER	COAL	1.3	23.0	

MAPID: 06300062000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 23 SWSWNW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.285164 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.324934 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 39.4 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
513.0	CARBONDALE	COLCHESTER	COAL	2.4	37.0	

MAPID: 06300063000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 23 NWNWSW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.285137 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.323125 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 56.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
497.0	CARBONDALE	COLCHESTER	COAL	3.0	53.0	

MAPID: 06300116000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 23 SESESWNW
QUADRANGLE: COAL CITY LONGITUDE: -88.282152
CONFIDENTIAL: N LATITUDE: 41.324556
SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 43.7
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
509.0	CARBONDALE	COLCHESTER	COAL	2.7	41.0	

MAPID: 06300064000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 24
QUADRANGLE: COAL CITY LONGITUDE: -88.257534
CONFIDENTIAL: N LATITUDE: 41.324688
SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 59.3
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
493.0	CARBONDALE	COLCHESTER	COAL	2.3	57.0	

MAPID: 06300112000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 24 SWSWSENE
QUADRANGLE: COAL CITY LONGITUDE: -88.252146
CONFIDENTIAL: N LATITUDE: 41.325253
SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 50.1
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
503.0	CARBONDALE	COLCHESTER	COAL	3.1	47.0	

MAPID: 06300113000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 24 SESE
QUADRANGLE: COAL CITY LONGITUDE: -88.250244
CONFIDENTIAL: N LATITUDE: 41.31942
SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 48.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
505.0	CARBONDALE	COLCHESTER	COAL	3.9	45.0	

MAPID: 06300065000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 25 NE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.252521 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.313892 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 38.1 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
515.0	CARBONDALE	COLCHESTER	COAL	3.1	35.0	

MAPID: 06300107000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 25 SESESWNW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.262602 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.310463 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 46.4 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
507.0	CARBONDALE	COLCHESTER	COAL	3.4	43.0	

MAPID: 06300108000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 25 SWSWNWNE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.256725 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.314255 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 43.4 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
510.0	CARBONDALE	COLCHESTER	COAL	3.4	40.0	

MAPID: 06300109000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 33N 8E **SECTION:** 25 NWNWNW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: COAL CITY **LONGITUDE:** -88.265787 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.31634 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 59.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Coal Test
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
494.0	CARBONDALE	COLCHESTER	COAL	3.0	56.0	

MAPID: 0630075000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 25 NENWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.253604

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.309284

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 40.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
513.0	CARBONDALE	COLCHESTER	COAL	3.0	37.0

MAPID: 06300067000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 26 SW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.281093

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.305939

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 84.6

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
464.0	CARBONDALE	COLCHESTER	COAL	3.6	81.0

MAPID: 06301795000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 26 SESWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.282439

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.31047

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 71.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
477.0	CARBONDALE	COLCHESTER	COAL	3.0	68.0

MAPID: 06301796000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 28 SWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.32316

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.309675

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 71.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
475.0	CARBONDALE	LOWELL	COAL	1.0	70.0	
474.0			UNCLASSIFIED	32.0	71.0	
442.0	CARBONDALE	COLCHESTER	COAL	1.0	103.0	

MAPID: 06302229000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 28 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.306183

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.302688

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 75.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
475.0	CARBONDALE	COLCHESTER	COAL	5.0	70.0	

MAPID: 06322253000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 28 SWNENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.308946

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.313556

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 80.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
470.0	CARBONDALE	LOWELL	COAL	5.0	75.0	
465.0			UNCLASSIFIED	10.0	80.0	
455.0	CARBONDALE	COLCHESTER	COAL	-	90.0	

MAPID: 06300069000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 32 SE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.3287

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.290474

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 120.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
437.0	CARBONDALE	COLCHESTER	COAL	2.5	118.0

MAPID: 06300070000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 32 SW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.338316

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.290248

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 108.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
449.0	CARBONDALE	COLCHESTER	COAL	2.1	106.0

MAPID: 06300100000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 32 NWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.340743

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.292014

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 84.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
472.0	CARBONDALE	COLCHESTER	COAL	1.5	83.0

MAPID: 06300101000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 32 SWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.340702

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.288365

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0

LOGGED (FT.): 114.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
518.0	CARBONDALE	HOUCHIN CREEK	COAL	-	37.0	
518.0	CARBONDALE		UNCLASSIFIED	75.0	37.0	
443.0	CARBONDALE	COLCHESTER	COAL	2.7	112.0	

MAPID: 06300103000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 32 NESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.326328

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.292349

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0

LOGGED (FT.): 87.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
470.0	CARBONDALE	COLCHESTER	COAL	2.7	85.0	

MAPID: 06300104000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 32 SESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.326266

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.288711

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0

LOGGED (FT.): 112.6

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
520.0	CARBONDALE	HOUCHIN CREEK	COAL	0.5	35.0	
519.5	CARBONDALE		UNCLASSIFIED	74.5	35.5	
445.0	CARBONDALE	COLCHESTER	COAL	2.6	110.0	

MAPID: 06301803000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 33 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.305884

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.28819

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 132.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
430.0	CARBONDALE	COLCHESTER	COAL	2.0	130.0	

MAPID: 06301805000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 33 SENWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.310744

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.29173

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 99.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
458.0	CARBONDALE	COLCHESTER	COAL	2.0	97.0	

MAPID: 06301807000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 33 SWNESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.317923

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.291602

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 109.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
448.0	CARBONDALE	COLCHESTER	COAL	2.0	107.0	

MAPID: 06301808000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 33 SENWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.320319

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.291559

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 113.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
445.0	CARBONDALE	COLCHESTER	COAL	3.0	110.0	

MAPID: 06300071000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 34 SWNESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.298772

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.291967

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 118.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
449.0	CARBONDALE	COLCHESTER	COAL	2.5	116.0	

MAPID: 06300751000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 35 SE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.271106

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.291649

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 565.0 LOGGED (FT.): 114.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
454.0	CARBONDALE	COLCHESTER	COAL	3.0	111.0	

MAPID: 06300752000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 35 NE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.271261

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.298884

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 85.1

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
478.0	CARBONDALE	COLCHESTER	COAL	3.1	82.0	

MAPID: 06300794000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 33N 8E SECTION: 36 NW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: COAL CITY LONGITUDE: -88.261677

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.299089

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 62.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
496.0	CARBONDALE	COLCHESTER	COAL	3.0	59.0	

MAPID: 06300010000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 5 SWSESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.572156

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.443659

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 153.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Coal Test

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
514.0	CARBONDALE	COLCHESTER	COAL	2.0	151.0	

MAPID: 06301827000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 5 SESESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.569693

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.443678

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 662.0 LOGGED (FT.): 167.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
497.0	CARBONDALE	COLCHESTER	COAL	2.0	165.0	

MAPID: 063700010000C VERSION: 1

PROJECT: NCRDS

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 5

FOOT (NS): 280 S FOOT (EW): 2510 W

QUADRANGLE: STAVANGER LONGITUDE: -88.569113

GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.443541

DATE COLLECTED: 0 / 0 / 1827

SURFACE ELEVATION (FT.): 662.0 LOGGED (FT.): 210.0

LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 1827

WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
662.0			NO RECORD	77.0	0.0	
585.0	CARBONDALE		SHALE	21.0	77.0	
564.0	CARBONDALE		SANDSTONE	43.0	98.0	
521.0	CARBONDALE		SHALE	22.0	141.0	
499.0	CARBONDALE	COLCHESTER	COAL	2.0	163.0	
497.0	CARBONDALE		SHALE	17.0	165.0	
480.0	CARBONDALE		CLAYSTONE	12.0	182.0	
468.0	CARBONDALE		LIMESTONE	6.0	194.0	
462.0	CARBONDALE		SANDSTONE	10.0	200.0	

MAPID: 06301828000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 7 NENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.579485

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.441754

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 673.0 LOGGED (FT.): 167.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
508.0	CARBONDALE	COLCHESTER	COAL	2.0	165.0

MAPID: 06370002000C VERSION: 1

PROJECT: NCRDS

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 7

FOOT (NS): 280 N FOOT (EW): 190 E

QUADRANGLE: STAVANGER LONGITUDE: -88.578973

GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.441907

DATE COLLECTED: 0 / 0 / 1910

SURFACE ELEVATION (FT.): 682.0 LOGGED (FT.): 285.0

LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 1828

WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
682.0			NO RECORD	85.0	0.0
597.0	CARBONDALE		SHALE	35.0	85.0
562.0	CARBONDALE		GREEN SHALE	5.0	120.0
557.0	CARBONDALE		SHALE	40.0	125.0
517.0	CARBONDALE	COLCHESTER	COAL	2.0	165.0
515.0	CARBONDALE		CORE LOSS	1.0	167.0
514.0	CARBONDALE		SHALE	5.0	168.0
509.0	CARBONDALE		CLAYSTONE	5.0	173.0
504.0	CARBONDALE		SHALE	20.0	178.0
484.0			SANDSTONE	87.0	198.0

MAPID: 06300099000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 8 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.576897

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.434475

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 649.0 LOGGED (FT.): 155.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
494.0	CARBONDALE	COLCHESTER	COAL	-	155.0

MAPID: 06300923000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 8 NWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.575796

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.440888

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 670.0 LOGGED (FT.): 169.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
503.0	CARBONDALE	COLCHESTER	COAL	2.0	167.0	

MAPID: 06300098000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 9 NENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.540612

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.442155

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 630.0 LOGGED (FT.): 131.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
500.0	CARBONDALE	COLCHESTER	COAL	1.0	130.0	

MAPID: 06301830000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 10 SWNWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.528373

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.433153

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 610.0 LOGGED (FT.): 95.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
517.0	CARBONDALE	COLCHESTER	COAL	2.5	93.0	

MAPID: 06300011000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 13 SESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.481969

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.422403

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 70.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
515.0	CARBONDALE	COLCHESTER	COAL	-	70.0	

MAPID: 06300096000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 13 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.499141

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.427819

DATE COLLECTED: 11 / 3 / 1905

SURFACE ELEVATION (FT.): 600.0

LOGGED (FT.): 114.0

LOG TYPE: Drillers Log

SOURCE: C.J. ANDERSON

WELL TYPE: Water Well

COMMENT:

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
600.0			UNCONSOLIDATED	75.0	0.0	
525.0	CARBONDALE		UNCLASSIFIED	19.0	75.0	
506.0	CARBONDALE	COLCHESTER	COAL	2.5	94.0	
503.5	SPOON		UNCLASSIFIED	3.5	96.5	
500.0	SPOON		UNDERCLAY	5.0	100.0	
495.0	SPOON		UNCLASSIFIED	9.0	105.0	

MAPID: 06300096000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 13 NWNWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.499141

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.427819

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 600.0

LOGGED (FT.): 96.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
506.0	CARBONDALE	COLCHESTER	COAL	2.5	94.0	

MAPID: 06300012000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 14 NENWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.516137

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.42776

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 605.0

LOGGED (FT.): 95.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
512.0	CARBONDALE	COLCHESTER	COAL	2.5	93.0	

MAPID: 06300095000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 15 NWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.536656

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.426737

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 604.0 LOGGED (FT.): 95.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
511.0	CARBONDALE	COLCHESTER	COAL	2.5	93.0	

MAPID: 06300015000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 17 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.576559

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.419864

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 643.0 LOGGED (FT.): 157.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
488.0	CARBONDALE	COLCHESTER	COAL	2.5	155.0	

MAPID: 06301279000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 17 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.576653

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.423512

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 645.0 LOGGED (FT.): 171.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
476.0	CARBONDALE	COLCHESTER	COAL	2.0	169.0	

MAPID: 06301838000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 17 NENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.559533

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.42014

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 630.0 LOGGED (FT.): 150.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
482.0	CARBONDALE	COLCHESTER	COAL	2.0	148.0	

MAPID: 06300093000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 18 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.594068

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.417691

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 185.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
481.0	CARBONDALE	COLCHESTER	COAL	1.5	184.0	

MAPID: 06301839000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 18 NWNWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.586425

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.426962

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 665.0 LOGGED (FT.): 179.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
487.0	CARBONDALE	COLCHESTER	COAL	1.0	178.0	

MAPID: 06301840000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 18 SWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.591213

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.425035

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 680.0 LOGGED (FT.): 178.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
503.0	CARBONDALE	COLCHESTER	COAL	1.0	177.0	

MAPID: 06300016000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 19 NENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.579982

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.411607

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 646.0 LOGGED (FT.): 167.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
481.0	CARBONDALE	COLCHESTER	COAL	2.0	165.0	

MAPID: 06300017000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 19 NW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.590549

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.409608

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 660.0 LOGGED (FT.): 188.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
473.0	CARBONDALE	COLCHESTER	COAL	1.0	187.0

MAPID: 06301843000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 22 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.537215

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.403944

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 590.0 LOGGED (FT.): 131.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
461.0	CARBONDALE	COLCHESTER	COAL	2.5	129.0

MAPID: 06302081000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 22 NESW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.531209

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.404933

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 126.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT OVERBURDEN COMMENT	
461.0	CARBONDALE	COLCHESTER	COAL	2.0	124.0

MAPID: 06370000000C VERSION: 1

PROJECT: NCRDS

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 22
QUADRANGLE: STAVANGER LONGITUDE: -88.537353
CONFIDENTIAL: N LATITUDE: 41.40376
SURFACE ELEVATION (FT.): 593.0 LOGGED (FT.): 248.0
SOURCE: UTAH INTERNATIONAL 1843
COMMENT: CODED COAL LOG

FOOT (NS): 1590 S FOOT (EW): 290 W
GEOLOGIST: LOUCHIOS
DATE COLLECTED: 0 / 0 / 1901
LOG TYPE: Drillers Log
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
593.0			NO RECORD	70.0	0.0	
523.0	CARBONDALE		SHALE	59.0	70.0	
464.0	CARBONDALE	COLCHESTER	COAL	2.5	129.0	
461.5			SHALE	30.5	131.5	
431.0			LIMESTONE	52.0	162.0	
379.0			SANDSTONE	34.0	214.0	

MAPID: 06300018000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 23 SW
QUADRANGLE: STAVANGER LONGITUDE: -88.514221
CONFIDENTIAL: N LATITUDE: 41.403281
SURFACE ELEVATION (FT.): 590.0 LOGGED (FT.): 114.5
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
478.0	CARBONDALE	COLCHESTER	COAL	2.5	112.0	

MAPID: 06300019000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 23 SESWNWNW
QUADRANGLE: STAVANGER LONGITUDE: -88.517488
CONFIDENTIAL: N LATITUDE: 41.410951
SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 107.5
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
480.0	CARBONDALE	COLCHESTER	COAL	2.5	105.0	

MAPID: 06300091000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 23 NENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.500895

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.406014

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 583.0 LOGGED (FT.): 102.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
483.0	CARBONDALE	COLCHESTER	COAL	2.7	100.0	

MAPID: 06300092000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 23 NESESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.500345

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.408285

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 585.0 LOGGED (FT.): 100.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
487.0	CARBONDALE	COLCHESTER	COAL	2.0	98.0	

MAPID: 06301285000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 23 SWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.50706

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.408723

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 584.0 LOGGED (FT.): 100.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
486.0	CARBONDALE	COLCHESTER	COAL	2.0	98.0	

MAPID: 06301849000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 25 NENENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.481317

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.398811

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 574.0 LOGGED (FT.): 108.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
469.0	CARBONDALE	COLCHESTER	COAL	3.0	105.0	

MAPID: 0630185000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 25 SWSWSW
QUADRANGLE: LISBON LONGITUDE: -88.497975
CONFIDENTIAL: N LATITUDE: 41.38606
SURFACE ELEVATION (FT.): 581.0 LOGGED (FT.): 121.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
462.0	CARBONDALE	COLCHESTER	COAL	2.0	119.0	

MAPID: 0630002000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 26 NWNWSW
QUADRANGLE: STAVANGER LONGITUDE: -88.517533
CONFIDENTIAL: N LATITUDE: 41.391482
SURFACE ELEVATION (FT.): 590.0 LOGGED (FT.): 132.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
460.0	CARBONDALE	COLCHESTER	COAL	2.0	130.0	

MAPID: 06301287000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 26 SWNWSW
QUADRANGLE: STAVANGER LONGITUDE: -88.517478
CONFIDENTIAL: N LATITUDE: 41.389664
SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 130.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
465.0	CARBONDALE	COLCHESTER	COAL	-	130.0	

MAPID: 06300915000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 28 NWNWSE
QUADRANGLE: STAVANGER LONGITUDE: -88.546684
CONFIDENTIAL: N LATITUDE: 41.391145
SURFACE ELEVATION (FT.): 605.0 LOGGED (FT.): 153.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Electric Log
WELL TYPE: Oil and Gas Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
455.0	CARBONDALE	COLCHESTER	COAL	3.0	150.0	

MAPID: 06301854000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 28 NENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.549326

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.398376

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 600.0 LOGGED (FT.): 137.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
465.0	CARBONDALE	COLCHESTER	COAL	2.5	135.0

MAPID: 06370003000C VERSION: 1

PROJECT: NCRDS

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 28

FOOT (NS): 300 N FOOT (EW): 2520 W

QUADRANGLE: STAVANGER LONGITUDE: -88.548713

GEOLOGIST: LOUCHIOS

CONFIDENTIAL: N LATITUDE: 41.398462

DATE COLLECTED: 0 / 0 / 1901

SURFACE ELEVATION (FT.): 595.0 LOGGED (FT.): 291.0

LOG TYPE: Drillers Log

SOURCE: UTAH INTERNATIONAL 1854

WELL TYPE: Coal Test

COMMENT: CODED COAL LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
595.0			NO RECORD	84.0	0.0
511.0	CARBONDALE		SHALE	51.0	84.0
460.0	CARBONDALE	COLCHESTER	COAL	2.5	135.0
457.5	CARBONDALE		SHALE	7.5	137.5
450.0	CARBONDALE		CLAYSTONE	3.0	145.0
447.0			LIMESTONE	70.0	148.0
377.0			SANDSTONE	73.0	218.0

MAPID: 06301449000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 29 SESENE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: STAVANGER LONGITUDE: -88.558949

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.392838

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 605.0 LOGGED (FT.): 135.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
535.0	CARBONDALE	HOUCHIN CREEK	COAL	1.0	70.0
534.0	CARBONDALE		UNCLASSIFIED	64.0	71.0
470.0	CARBONDALE	COLCHESTER	COAL	-	135.0

MAPID: 06301867000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 35 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: SENECA LONGITUDE: -88.500097

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.371396

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 556.0 LOGGED (FT.): 107.6

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
451.0	CARBONDALE	COLCHESTER	COAL	2.6	105.0	

MAPID: 06301871000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 6E SECTION: 36 SESESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.480705

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.371521

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 88.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
474.0	CARBONDALE	COLCHESTER	COAL	2.0	86.0	

MAPID: 06300001000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 17 SWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.460442

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.419382

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 73.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
505.0	CARBONDALE	COLCHESTER	COAL	3.0	70.0	

MAPID: 06300002000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 19 NWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.468592

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.412846

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 69.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
503.0	CARBONDALE	COLCHESTER	COAL	2.0	67.0	

MAPID: 06301914000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 19 NENENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.472169

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.413679

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 575.0 LOGGED (FT.): 72.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
505.0	CARBONDALE	COLCHESTER	COAL	2.0	70.0	

MAPID: 06301915000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 20 NWNWSW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.460185

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.406658

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 573.0 LOGGED (FT.): 76.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
499.0	CARBONDALE	COLCHESTER	COAL	2.0	74.0	

MAPID: 06301917000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 20 NESWNE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.448174

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.410571

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 570.0 LOGGED (FT.): 72.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
499.0	CARBONDALE	COLCHESTER	COAL	1.0	71.0	

MAPID: 06300004000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 21 SENESE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.423953

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.405642

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 55.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
500.0	CARBONDALE	COLCHESTER	COAL	-	55.0	

MAPID: 06301931000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 27 NWSWNW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LISBON **LONGITUDE:** -88.421301 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.396613 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 64.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
489.0	CARBONDALE	COLCHESTER	COAL	3.0	61.0	

MAPID: 06301934000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 28 SESESW **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LISBON **LONGITUDE:** -88.433153 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.387277 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 550.0 **LOGGED (FT.):** 52.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
500.0	CARBONDALE	COLCHESTER	COAL	2.0	50.0	

MAPID: 06301935000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 28 SENENE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LISBON **LONGITUDE:** -88.42377 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.398375 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 551.0 **LOGGED (FT.):** 53.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
498.0	CARBONDALE	COLCHESTER	COAL	-	53.0	

MAPID: 06301937000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 28 NENENE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LISBON **LONGITUDE:** -88.423819 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.400192 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 551.0 **LOGGED (FT.):** 40.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
513.0	CARBONDALE	COLCHESTER	COAL	2.0	38.0	

MAPID: 06301938000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 28 NWSWNW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.440642

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.396186

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 54.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
503.0	CARBONDALE	COLCHESTER	COAL	2.0	52.0

MAPID: 06300005000C VERSION: 1

PROJECT: NCRDS87

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 30 SWSWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.469227

GEOLOGIST: WEIBEL

CONFIDENTIAL: N LATITUDE: 41.386479

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 550.0 LOGGED (FT.): 110.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Unsuccessful or Unknown Results

COMMENT: LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
550.0			UNCONSOLIDATED	26.0	0.0
524.0	CARBONDALE		UNCLASSIFIED	24.0	26.0
500.0	CARBONDALE		SHALE	20.5	50.0
479.5	CARBONDALE	COLCHESTER	COAL	2.5	70.5
477.0	SPOON		UNCLASSIFIED	8.0	73.0
469.0	SPOON		SHALE	10.0	81.0
459.0	SPOON		UNCLASSIFIED	19.0	91.0

MAPID: 06300005000C VERSION: 2

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 30 SWSWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.469227

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.386479

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 72.5

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	
				UNIT	OVERBURDEN COMMENT
490.0	CARBONDALE	COLCHESTER	COAL	2.5	70.0

MAPID: 06301310000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 30 SWNWSWNW
QUADRANGLE: LISBON LONGITUDE: -88.479426
CONFIDENTIAL: N LATITUDE: 41.394921
SURFACE ELEVATION (FT.): 560.0 LOGGED (FT.): 71.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
490.0	CARBONDALE	COLCHESTER	COAL	1.0	70.0	

MAPID: 06301941000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 30 NWSESW
QUADRANGLE: LISBON LONGITUDE: -88.473979
CONFIDENTIAL: N LATITUDE: 41.388215
SURFACE ELEVATION (FT.): 562.0 LOGGED (FT.): 73.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
492.0	CARBONDALE	COLCHESTER	COAL	3.0	70.0	

MAPID: 06300007000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 31 NENENE
QUADRANGLE: LISBON LONGITUDE: -88.462124
CONFIDENTIAL: N LATITUDE: 41.384769
SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 74.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
483.0	CARBONDALE	COLCHESTER	COAL	2.0	72.0	

MAPID: 06300930000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 31 SWSWSE
QUADRANGLE: MORRIS LONGITUDE: -88.468895
CONFIDENTIAL: N LATITUDE: 41.371779
SURFACE ELEVATION (FT.): 532.0 LOGGED (FT.): 83.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
451.0	CARBONDALE	COLCHESTER	COAL	2.0	81.0	

MAPID: 06300931000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 31 SWNWNWSE
QUADRANGLE: LISBON LONGITUDE: -88.469599
CONFIDENTIAL: N LATITUDE: 41.376823
SURFACE ELEVATION (FT.): 557.0 LOGGED (FT.): 20.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
539.0	CARBONDALE	COLCHESTER	COAL	2.0	18.0	

MAPID: 06301517000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 31 SESWSW
QUADRANGLE: MORRIS LONGITUDE: -88.475959
CONFIDENTIAL: N LATITUDE: 41.371621
SURFACE ELEVATION (FT.): 558.0 LOGGED (FT.): 81.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
478.0	CARBONDALE	COLCHESTER	COAL	1.0	80.0	

MAPID: 06300008000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 32 NENENE
QUADRANGLE: LISBON LONGITUDE: -88.442789
CONFIDENTIAL: N LATITUDE: 41.385249
SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 50.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
496.0	CARBONDALE	COLCHESTER	COAL	1.0	49.0	

MAPID: 06301944000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 32 SWSESW
QUADRANGLE: MORRIS LONGITUDE: -88.454628
CONFIDENTIAL: N LATITUDE: 41.372133
SURFACE ELEVATION (FT.): 545.0 LOGGED (FT.): 95.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
452.0	CARBONDALE	COLCHESTER	COAL	2.0	93.0	

MAPID: 06301946000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 32 NESWSE

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: MORRIS LONGITUDE: -88.447426

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.374163

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 542.0 LOGGED (FT.): 56.7

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
488.0	CARBONDALE	COLCHESTER	COAL	2.7	54.0	

MAPID: 06301947000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 32 NWNENW

FOOT (NS): 0 FOOT (EW): 0

QUADRANGLE: LISBON LONGITUDE: -88.454894

GEOLOGIST: JACOBSON,R

CONFIDENTIAL: N LATITUDE: 41.384941

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 555.0 LOGGED (FT.): 84.0

LOG TYPE: Drillers Log

SOURCE:

WELL TYPE: Water Well

COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
471.0	CARBONDALE	COLCHESTER	COAL	-	84.0	

MAPID: 06390012000C VERSION: 1

PROJECT: NCRDS99

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 32 SE

FOOT (NS): 680 N FOOT (EW): 1320 E

QUADRANGLE: LISBON LONGITUDE: -88.446271

GEOLOGIST: J.MCBETH

CONFIDENTIAL: N LATITUDE: 41.376892

DATE COLLECTED: 0 / 0 / 0

SURFACE ELEVATION (FT.): 548.0 LOGGED (FT.): 79.3

LOG TYPE: Company map

SOURCE: MIDLAND COAL 8A49

WELL TYPE: Coal Test

COMMENT: MORE DRILL HOLES AVAIL. ON MAP-CASE 6

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.) UNIT	OVERBURDEN	COMMENT
548.0			UNCLASSIFIED	76.0	0.0	
472.0	CARBONDALE	COLCHESTER	COAL	3.3	76.0	

MAPID: 06300037000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 33 SENENE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LISBON **LONGITUDE:** -88.423394 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.383859 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 540.0 **LOGGED (FT.):** 39.5 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
503.0	CARBONDALE	COLCHESTER	COAL	2.5	37.0	

MAPID: 06301311000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 33 NWNENESE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LISBON **LONGITUDE:** -88.423883 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.378875 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 54.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
479.0	CARBONDALE	COLCHESTER	COAL	3.0	51.0	

MAPID: 06301312000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 33 SESESE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: MORRIS **LONGITUDE:** -88.423137 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.373014 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 520.0 **LOGGED (FT.):** 25.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
497.0	CARBONDALE	COLCHESTER	COAL	2.0	23.0	

MAPID: 06301950000C **VERSION:** 1 **PROJECT:** RJJ-NCILL
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 33 SENESE **FOOT (NS):** 0 **FOOT (EW):** 0
QUADRANGLE: LISBON **LONGITUDE:** -88.423223 **GEOLOGIST:** JACOBSON,R
CONFIDENTIAL: N **LATITUDE:** 41.37663 **DATE COLLECTED:** 0 / 0 / 0
SURFACE ELEVATION (FT.): 530.0 **LOGGED (FT.):** 34.0 **LOG TYPE:** Drillers Log
SOURCE: **WELL TYPE:** Water Well
COMMENT: GOOD LOG

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
498.0	CARBONDALE	COLCHESTER	COAL	2.0	32.0	

MAPID: 06390013000C **VERSION:** 1
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 33 SE
QUADRANGLE: LISBON **LONGITUDE:** -88.427817
CONFIDENTIAL: N **LATITUDE:** 41.377768
SURFACE ELEVATION (FT.): 505.5 **LOGGED (FT.):** 30.5
SOURCE: MIDLAND COAL 528
COMMENT: MORE DRILL HOLES AVAIL ON MAP-CASE 6

PROJECT: NCRDS99
FOOT (NS): 530 N **FOOT (EW):** 1580 E
GEOLOGIST: J.MCBETH
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Company map
WELL TYPE: Coal Test

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
505.5			UNCLASSIFIED	28.0	0.0	
477.5	CARBONDALE	COLCHESTER	COAL	2.5	28.0	

MAPID: 06301314000C **VERSION:** 1
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 34 NWNWNW
QUADRANGLE: LISBON **LONGITUDE:** -88.421015
CONFIDENTIAL: N **LATITUDE:** 41.385721
SURFACE ELEVATION (FT.): 545.0 **LOGGED (FT.):** 40.0
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 **FOOT (EW):** 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
507.0	CARBONDALE	COLCHESTER	COAL	2.0	38.0	

MAPID: 06301952000C **VERSION:** 1
COUNTY: GRUNDY **TWP/RNG:** 34N 7E **SECTION:** 34 NWSWSW
QUADRANGLE: MORRIS **LONGITUDE:** -88.420761
CONFIDENTIAL: N **LATITUDE:** 41.374882
SURFACE ELEVATION (FT.): 525.0 **LOGGED (FT.):** 24.9
SOURCE:
COMMENT: GOOD LOG

PROJECT: RJJ-NCILL
FOOT (NS): 0 **FOOT (EW):** 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
503.0	CARBONDALE	COLCHESTER	COAL	2.9	22.0	

MAPID: 06301955000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 34 SESENE
QUADRANGLE: LISBON LONGITUDE: -88.40396
CONFIDENTIAL: N LATITUDE: 41.380692
SURFACE ELEVATION (FT.): 520.0 LOGGED (FT.): 25.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
497.0	CARBONDALE	COLCHESTER	COAL	2.0	23.0	

MAPID: 06300009000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 35 NESESW
QUADRANGLE: LISBON LONGITUDE: -88.394239
CONFIDENTIAL: N LATITUDE: 41.375505
SURFACE ELEVATION (FT.): 508.0 LOGGED (FT.): 35.9
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
475.0	CARBONDALE	COLCHESTER	COAL	2.9	33.0	

MAPID: 06301315000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 35 SESWNW
QUADRANGLE: LISBON LONGITUDE: -88.399136
CONFIDENTIAL: N LATITUDE: 41.3808
SURFACE ELEVATION (FT.): 525.0 LOGGED (FT.): 12.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
513.0	CARBONDALE	COLCHESTER	COAL	-	12.0	

MAPID: 06301962000C VERSION: 1

PROJECT: RJJ-NCILL

COUNTY: GRUNDY TWP/RNG: 34N 7E SECTION: 35 NENWNE
QUADRANGLE: LISBON LONGITUDE: -88.389574
CONFIDENTIAL: N LATITUDE: 41.386417
SURFACE ELEVATION (FT.): 523.0 LOGGED (FT.): 26.0
SOURCE:
COMMENT: GOOD LOG

FOOT (NS): 0 FOOT (EW): 0
GEOLOGIST: JACOBSON,R
DATE COLLECTED: 0 / 0 / 0
LOG TYPE: Drillers Log
WELL TYPE: Water Well

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)	UNIT OVERBURDEN	COMMENT
500.0	CARBONDALE	COLCHESTER	COAL	3.0	23.0	