

16100074000C PROJECT: NCRDS87 QUADRANGLE: COAL VALLEY
 COUNTY: ROCK-ISLAND 16N - R 1W SECTION: 1 NWNW
 CONFIDENTIAL: N
 SURFACE ELEVATION (FT.): 755.4 GEOLOGIST: WEIBEL DATE COLLECTED: 0 / 0/1914
 Drillers Log Coal Test LOGGED (FT.): 206.00
 SOURCE: COAL VALLEY MINING

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
755.40			UNCONSOLIDATED	57.00	0.00	
698.40	SPOON		UNCLASSIFIED	24.50	57.00	
673.90	SPOON		DARK SHALE	1.50	81.50	
672.40	SPOON		COAL	1.50	83.00	
670.90	SPOON		UNDERCLAY	1.00	84.50	
669.90	SPOON		UNCLASSIFIED	25.50	85.50	
644.40	SPOON		COAL	0.75	111.00	
643.60	SPOON		UNDERCLAY	1.25	111.80	
642.40	SPOON		UNCLASSIFIED	20.00	113.00	
622.40	SPOON		BLACK SHALE	3.60	133.00	
618.80	SPOON	SEVILLE	LIMESTONE	0.40	136.60	
618.40	SPOON	ROCK ISLAND	COAL	1.50	137.00	
616.90	ABBOTT		UNDERCLAY	3.50	138.50	
613.40	ABBOTT		DARK SHALE	2.25	142.00	
611.10	ABBOTT		COAL	1.55	144.30	
609.60	ABBOTT		UNCLASSIFIED	13.90	145.80	
595.70	ABBOTT		BLACK SHALE	1.00	159.70	
594.70	ABBOTT		BLACK SHALE	1.50	160.70	
593.20	ABBOTT		UNCLASSIFIED	8.50	162.20	
584.70	ABBOTT		LIMESTONE	0.50	170.70	
584.20	ABBOTT		BLACK SHALE	3.50	171.20	
580.70	ABBOTT		UNCLASSIFIED	31.30	174.70	

16100084000C PROJECT: NCRDS87 QUADRANGLE: BUFFALO PRAIRIE
 COUNTY: ROCK-ISLAND 16N - R 4W SECTION: 27 SWSW 1S 1W
 CONFIDENTIAL: N
 SURFACE ELEVATION (FT.): 724.0 GEOLOGIST: WEIBEL DATE COLLECTED: 0 / 0/1905
 Drillers Log Coal Test LOGGED (FT.): 262.50
 SOURCE: COAL VALLEY MINING CO.

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
724.00			UNCONSOLIDATED	49.00	0.00	
675.00	SPOON		UNCLASSIFIED	32.00	49.00	
643.00	SPOON		DARK SHALE	4.00	81.00	
639.00	SPOON		SANDSTONE	2.50	85.00	
636.50	SPOON		COAL	0.40	87.50	
636.10	SPOON		DARK SHALE	14.20	87.90	
621.90	SPOON		COAL	0.50	102.10	
621.40	SPOON		SHALE	8.40	102.60	
613.00	SPOON		BLACK SHALE	9.70	111.00	
603.30	SPOON	ROCK ISLAND	COAL	2.05	120.70	
601.20	ABBOTT		UNCLASSIFIED	42.25	122.80	
559.00	ABBOTT		DARK SHALE	8.60	165.00	
550.40	ABBOTT		COAL	0.65	173.60	
549.70	ABBOTT		UNDERCLAY	5.75	174.30	
544.00	CASEYVILLE		SANDSTONE	54.50	180.00	UNCERTAIN CORRELATION
489.50	CASEYVILLE		COAL	2.00	234.50	
487.50	CASEYVILLE		UNDERCLAY	16.50	236.50	
471.00	CASEYVILLE		UNCLASSIFIED	9.50	253.00	

16100090000C PROJECT: NCRDS87 QUADRANGLE: COAL VALLEY
 COUNTY: ROCK-ISLAND 17N - R 1E SECTION: 4 SENWNW
 CONFIDENTIAL: N
 SURFACE ELEVATION (FT.): 650.0 GEOLOGIST: WEIBEL DATE COLLECTED:
 Drillers Log Coal Test LOGGED (FT.): 110.00
 SOURCE: W.S. THOMAS ELEVATION & LOCATION IMPRECISE

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
650.00			SILTSTONE	1.00	0.00	
649.00	SPOON		UNCLASSIFIED	33.00	1.00	
616.00	SPOON	ROCK ISLAND	COAL	3.50	34.00	
612.50	ABBOTT		UNDERCLAY	2.50	37.50	
610.00	ABBOTT		UNCLASSIFIED	70.00	40.00	

16122756000C PROJECT: NCRDS99 QUADRANGLE: COAL VALLEY
 COUNTY: ROCK-ISLAND 17N - R 1E SECTION: 8 SWNW
 CONFIDENTIAL: N
 SURFACE ELEVATION (FT.): 691.7 GEOLOGIST: HAMER DATE COLLECTED: 9 /10/1996
 Drillers Log Coal Test LOGGED (FT.): 61.00
 SOURCE: INDECO INC CB-96-1 NO FOOTAGES RECORDED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
691.70	PLEISTOCENE		UNCONSOLIDATED	2.00	0.00	
689.70	PLEISTOCENE		CLAY	28.00	2.00	SILTY
661.70	PLEISTOCENE		CLAY	2.50	30.00	SILTY, WITH SAND AND GRAVEL
659.20	PLEISTOCENE		BOULDER	1.50	32.50	
657.70	PLEISTOCENE		CLAY	1.30	34.00	WITH GRAVEL
656.40	SPOON		SHALE	0.70	35.30	BLACK, WEATHERED, WITH COAL LENS
655.70	SPOON		GRAY SHALE	2.00	36.00	WEATHERED
653.70	SPOON		GRAY SHALE	6.00	38.00	
647.70	SPOON	ROCK ISLAND	CORE LOSS	1.50	44.00	MINED COAL SEAM
646.20			SHALE	0.50	45.50	GRAY TO BLACK
645.70			COAL	0.50	46.00	
645.20			SHALE	1.50	46.50	
643.70			GRAY SHALE	8.00	48.00	SAND STRINGERS, CARBONACEOUS
635.70			SANDSTONE	1.50	56.00	SHALEY, FINE, CARBONACEOUS
634.20			GRAY SHALE	3.50	57.50	INTERBEDDED FINE SANDSTONE, CARBONACEOUS

16122757000C PROJECT: NCRDS99 QUADRANGLE: COAL VALLEY
 COUNTY: ROCK-ISLAND 17N - R 1E SECTION: 8 SWNW
 CONFIDENTIAL: N
 SURFACE ELEVATION (FT.): 678.0 GEOLOGIST: HAMER DATE COLLECTED: 9 /16/1996
 Drillers Log Coal Test LOGGED (FT.): 61.00
 SOURCE: INDECO, INC CB-96-2 NO FOOTAGES RECORDED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
678.00	PLEISTOCENE		CLAY	25.00	0.00	SILTY
653.00	PLEISTOCENE		CLAY	5.00	25.00	SANDY WITH SAND AND GRAVEL
648.00	PLEISTOCENE		CLAY	2.50	30.00	
645.50	PLEISTOCENE		CLAY	3.30	32.50	SANDY WITH GRAVEL
642.20			UNDERCLAY	4.90	35.80	WEATHERED SHALE; WOOD
637.30			GRAY SHALE	11.30	40.70	CARBONACEOUS BITS
626.00			GRAY SHALE	9.00	52.00	WITH SANDSTONE LENSES, PYRITIC

16122758000C PROJECT: NCRDS99 QUADRANGLE: COAL VALLEY
 COUNTY: ROCK-ISLAND 17N - R 1E SECTION: 8 SWNW
 CONFIDENTIAL: N
 SURFACE ELEVATION (FT.): 690.2 GEOLOGIST: HAMER DATE COLLECTED: 9 /17/1996
 Drillers Log Coal Test LOGGED (FT.): 75.00
 SOURCE: INDECO, INC CB-96-3 NO FOOTAGES RECORDED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
690.20	PLEISTOCENE		CLAY	25.80	0.00	SILTY
664.40	PLEISTOCENE		CLAY	9.20	25.80	SILTY WITH TRACE OF SAND
655.20	PLEISTOCENE		CLAY	1.50	35.00	SANDY
653.70	PLEISTOCENE		CLAY	1.00	36.50	BLACK, MUCK OR GOB
652.70	PLEISTOCENE		CLAY	2.50	37.50	GRAY, MUCK OR GOB
650.20			UNDERCLAY	6.50	40.00	
643.70			GRAY SHALE	24.20	46.50	WEATHERED AT TOP, COARSENS DOWNWARD
619.50			SANDSTONE	4.30	70.70	COARSE, SHALE INTERBEDS

16122759000C PROJECT: NCRDS99 QUADRANGLE: COAL VALLEY
 COUNTY: ROCK-ISLAND 17N - R 1E SECTION: 8 SWNW
 CONFIDENTIAL: N
 SURFACE ELEVATION (FT.): 700.0 GEOLOGIST: HAMER DATE COLLECTED: 9 /20/1996
 Drillers Log Coal Test LOGGED (FT.): 66.00
 SOURCE: INDECO, INC CB-96-4 NO FOOTAGES RECORDED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
700.00	PLEISTOCENE		CLAY	35.00	0.00	SILTY
665.00	PLEISTOCENE		CLAY	5.50	35.00	SILTY WITH SAND AND GRAVEL
659.50			COAL	1.00	40.50	POSSIBLE WORKING AT 42'
658.50			GRAY SHALE	1.00	41.50	DARK TO BLACK
657.50			GRAY SHALE	22.80	42.50	SANDY, CARBONACEOUS BITS
634.70			GRAY SHALE	0.70	65.30	WEATHERED DARK

1612276000C PROJECT: NCRDS99 QUADRANGLE: COAL VALLEY
COUNTY: ROCK-ISLAND 17N - R 1E SECTION: 8 SWNW
CONFIDENTIAL: N
SURFACE ELEVATION (FT.): 694.7 GEOLOGIST: HAMER DATE COLLECTED: 9 /24/1996
Drillers Log Coal Test LOGGED (FT.): 21.50
SOURCE: INDECO INC CB-96-5 NO FOOTAGES RECORDED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
694.70	PLEISTOCENE		CLAY	21.50	0.00	SILTY

16122761000C PROJECT: NCRDS99 QUADRANGLE: COAL VALLEY
COUNTY: ROCK-ISLAND 17N - R 1E SECTION: 8 SWNW
CONFIDENTIAL: N
SURFACE ELEVATION (FT.): 691.1 GEOLOGIST: HAMER DATE COLLECTED: 9 /25/1996
Drillers Log Coal Test LOGGED (FT.): 100.00
SOURCE: INDECO, INC CB-96-6 NO FOOTAGES RECORDED

ELEVATION TOP (FT.)	FORMATION	MEMBER	LITHOLOGY	THICKNESS (FT.)		COMMENT
				UNIT	OVERBURDEN	
691.10	PLEISTOCENE		CLAY	28.50	0.00	SILTY
662.60	PLEISTOCENE		CLAY	2.00	28.50	SILTY WITH SAND AND GRAVEL
660.60	PLEISTOCENE		CLAY	4.00	30.50	SILTY
656.60	PLEISTOCENE		PEAT	3.50	34.50	BLACK
653.10			GRAY SHALE	2.80	38.0	