

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	59-Allen	SOUNDING NO.	CD-2	SHEET 1 of 3
BRIDGE STA.	575+00: 4	PROJ. NO.	59-01 KA-1772-01	BRIDGE NO. 59-01-01.72(065)
SITE NAME	US-59 over Canville Creek			HOLE STA. 575+60, 64.0' Rt Of CL US-59
GEOLOGIST	R. Ryan, P.G.	SCALE 1 inch = 2.5 feet	DATE	April 6, 2012
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV. 998.4
GW ELEV.	N/A	TOTAL DEPTH	27.5	W/B ELEV. 994.1

N = 37.75931
E = -95.16045

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
8" Hollow Augers	Mantle			998.4	CLAY, w/ rock rubble				
				995					
			4.3	994.1	SHALEY & BROKEN LIMESTONE, dark gray, w/ few shale stringers, shaley at base	355	3.01E+08		992.9
		1							
			7.5	990.9	CLAYEY SHALE, dark gray				
				990					
			9.0	989.4	LIMESTONE, dark gray				
			9.7	988.7	SHALE, dark gray, seam				
			10.2	988.2	LIMESTONE, dark gray, w/ large nodules?				
			11.7	986.7	SHALE, gray, seam, limy bands?				
			12.3	986.1	LIMESTONE, dark gray				
			12.5	985.9	CALCAREOUS SHALE, nodules in shale matrix				
				985					
			13.6	984.8	LIMESTONE, thickly bedded, wavy, brownish gray, dense to hard, shaley bands				
		3							



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RTE./CO.	59-Allen	SOUNDING NO.	CD-2	SHEET 2 of 3
BRIDGE STA.	575+00: 6	PROJ. NO.	59-01 KA-1772-01	BRIDGE NO. 59-01-01.72(065)
SITE NAME	US-59 over Canville Creek			HOLE STA. 575+60, 64.0' Rt Of CL US-59

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
NQ2 Diamond	Winterset LS Mbr.		3		LIMESTONE, thickly bedded, wavy, brownish gray, dense to hard, shaley bands	370	1.91E+08		982.4
			4	980		229	2.38E+08		975.9
			5	975		575	2.46E+08		973.1
			26.8	971.6	SHALE, black, hard, siltstone?				
	Stack SR Mbr.		27.5	970.9	T.D. = 27.5				

BOREHOLE REPORT - KANSAS DOT GDT - 5/24/12 15:11 - C:\DENNY\BRIDGES\59-1 KA-1772-01\5901KA177201.GPJ



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RTE./CO.	59-Allen	SOUNDING NO.	CD-2	SHEET 3 of 3
BRIDGE STA.	575+00: 6	PROJ. NO.	59-01 KA-1772-01	BRIDGE NO. 59-01-01.72(065)
SITE NAME	US-59 over Canville Creek			HOLE STA. 575+60, 64.0' Rt Of CL US-59

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION																																																
					<table><thead><tr><th>Core</th><th>Depth</th><th>Elev.</th><th>Cut</th><th>Rec</th><th>Rec %</th><th>RQD</th></tr></thead><tbody><tr><td>1</td><td>4.3</td><td>994.1</td><td>3.2</td><td>3.1</td><td>97</td><td>59□</td></tr><tr><td>2</td><td>7.5</td><td>990.9</td><td>5.0</td><td>5.0</td><td>100</td><td>88□</td></tr><tr><td>3</td><td>12.5</td><td>985.9</td><td>5.0</td><td>5.0</td><td>100</td><td>96□</td></tr><tr><td>4</td><td>17.5</td><td>980.9</td><td>5.0</td><td>5.0</td><td>100</td><td>100□</td></tr><tr><td>5</td><td>22.5</td><td>975.9</td><td>5.0</td><td>5.0</td><td>100</td><td>98□</td></tr><tr><td>Total</td><td>27.5</td><td>970.9</td><td>23.2</td><td>23.1</td><td>100</td><td>91%</td></tr></tbody></table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	4.3	994.1	3.2	3.1	97	59□	2	7.5	990.9	5.0	5.0	100	88□	3	12.5	985.9	5.0	5.0	100	96□	4	17.5	980.9	5.0	5.0	100	100□	5	22.5	975.9	5.0	5.0	100	98□	Total	27.5	970.9	23.2	23.1	100	91%			
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