

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	K-39 / Bourbon	SOUNDING NO.	CH 1	SHEET 1 of 2
		PROJ. NO.	39-6 KA-2053-01	BRIDGE NO. 39-6-6.91(091)
SITE NAME	K-39 over Paint Creek			HOLE STA. 51+55, 20.0' Rt CL
GEOLOGIST	D. Ryan, P.G.	SCALE	1 inch = 5.8 feet	DATE October 19, 2011
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV. 904.4
GW ELEV.	N/A	TOTAL DEPTH	32.9	M/B ELEV. 904.4

N = 37.718135
E = -94.961780

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	Lenapah Limestone Fm		1	904.4	Limestone, gray, hard, slabby				
			2.3	902.1	Shale, clayey, gray	3.3	182000		901.5
			3.0	901.4	Shale, dark-gray				
			4.6	899.8	Limestone, gray	193	5.22E+07		899.3
			5.5	898.9	Shale w/ limestone nodules				
			6.6	897.8	Limestone, shaley, gray				
			7.5	896.9	Shale, gray	6.1	510000		895.9
	Nowata Shale Fm		8.5	895.9	Shale, blue-green or green-gray				
			13.0	891.4	Limestone, gray, pseudo-breccia				
			14.8	889.6	Shale, gray, platy	12.6	1960000		888.5
			18.6	885.8	Shale, clayey				
			20.0	884.4	Shale, dark-gray, firm	84	1.28E+07		883.9
			27.4	877.0	Shale, sandy				
			28.1	876.3	Sandstone, shaley, gray, firm	199	4.62E+07		880.5
32.0	872.4	Shale, gray, trace of pyrite							
32.9	871.5	T.D. = 32.9	324	1.12E+08		873.5			

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