

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	126-Crawford	SOUNDING NO.	LS CD-2	SHEET	1 of 3
BRIDGE STA.	674+81.84: 4	PROJ. NO.	KA-2096-01	BRIDGE NO.	126-19-13.90(092)
SITE NAME	K-126 over Limestone Creek			HOLE STA.	675+43, 63.0' Lt of CL
GEOLOGIST	R. Ryan, P.G.	SCALE	1 inch = 2.5 feet	DATE	June 7, 2012
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV.	912.6
GW ELEV.	911.6	TOTAL DEPTH	32.6	M/B ELEV.	911.8

N: 37.41189

E: -94.85369

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" Hollowstem Augers	Mantle		0.8	912.6	CLAY, dark brown					
				911.8	SANDSTONE, weathered, yellowish brown					
			3.2	909.4	SANDSTONE, gray					
	NQ2 Diamond	Cabaniss Formation		5.0	907.6	SANDSTONE, weathered, yellowish brown				
				5.2	907.4	LIMY SANDSTONE, gray to medium gray, hard, w/ limestone fragments in upper 2.6', shaley, very mildly calcareous cement with increasing calcareous content with depth	178	4.16E+07		906.6
					905		208	4.49E+07		904.6
				11.5	901.1	SHALEY SANDSTONE, gray, hard, seam, limy				
				12.0	900.6	LIMY SANDSTONE, gray, shaley				
				12.3	900.3	LIMY SHALE, gray, hard, seam, massive, 50 degree fracture, sandy, becoming less sandy with depth	740	2.05E+08		900.0

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	Cabaniss Formation		14.8	897.8	SHALEY & SANDY SHALE, gray to dark gray, limy, becoming less sandy with depth	287	5.3E+07		896.5	
			3	895		4	232	4.99E+07		891.4
			22.6	890	890.0	LIMY SHALE, dark gray, silty	170	4.24E+07		888.3
			27.6 27.7	885	885.0 884.9	LIMY SILTSTONE, dark gray SHALE, dark gray, w/ pyrite nodules, non-limy				
			6				74	9110000		881.5
					32.6	880	T.D. = 32.6			



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