

NW¹/₄ NW¹/₄, NW¹/₄, Sec. 30, T80S, R23E

Crawford County

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	126-Crawford	SOUNDING NO.	LNG CD-1	SHEET 1 of 3
BRIDGE STA.	330+61.5: ϵ	PROJ. NO.	KA-2096-01	BRIDGE NO. 126-19-09.06(093)
SITE NAME	K-126 over Lightening Creek Overflow		HOLE STA. 330+95, 66.0' Rt of CL	
GEOLOGIST	R. Ryan, P.G.	SCALE	1 inch = 5.0 feet	DATE June 12, 2012
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV. 869.2
GW ELEV.	N/A	TOTAL DEPTH	37.4	WB ELEV. 861.7

U = 37.41215
E = -94.94153

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 NQ2 Diamond	Mantle			869.2	CLAY, gray to brown					
			865		861.7	BROKEN SHALE, weathered, dark gray, soft	1.775	155000		864.5
			7.5	860						
		Cabarriss Formation		1	858.4	SHALE, medium gray, firmer	115	1.82E+07		857.6
				857.6	SANDY SHALE, medium gray, w/ few stringers SS					
				856.8	SHALE, platy, medium gray, slightly silty	106	1.65E+07		854.5	
				855						
				851.8	SHALE, platy, medium gray, w/ few streaks limy mudstone	81	1.23E+07		849.6	
			17.4	850						
			3							
		4	845			85	1.26E+07		845.4	
		5	840			74	1.13E+07		839.4	

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RTE./CO.	126-Crawford	SOUNDING NO.	LNG CD-1	SHEET 2 of 3
BRIDGE STA.	330+61.5: \pm	PROJ. NO.	KA-2096-01	BRIDGE NO. 126-19-09.06(093)
SITE NAME	K-126 over Lightening Creek Overflow			HOLE STA. 330+95, 66.0' Rt of CL

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	Cabaniss Formation		5	835	SHALE, platy, medium gray, w/ few streaks limy mudstone				
			31.9	837.3	SANDY SHALE, medium gray				
			32.7	836.5	SHALE, platy, medium gray, firm				
			6			117	1.43E+07	832.3	
			37.4	831.8	T.D. = 37.4				

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RTE./CO.	126-Crawford	SOUNDING NO.	LNG CD-1	SHEET 3 of 3
BRIDGE STA.	330+61.5: £	PROJ. NO.	KA-2096-01	BRIDGE NO. 126-19-09.06(093)
SITE NAME	K-126 over Lightning Creek Overflow			HOLE STA. 330+95, 66.0' Rt of CL

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