

6-17-19E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	68-Franklin	SOUNDING NO.	cd-2	SHEET 1 of 3
BRIDGE STA.	543+12.6: 48.6' Rt	PROJ. NO.	KA-2097-01	BRIDGE NO. 68-30-08.65(070)
SITE NAME	K-68 over Marais Des Cygnes River			HOLE STA. 540+66.04, 12.3' Lt Of CL
GEOLOGIST	D. Martin, P.G.	SCALE	1 inch = 7.5 feet	DATE November 14, 2012
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV. 914.4
GW ELEV.	901.6	TOTAL DEPTH	72.5	M/B ELEV. 883.1

GPs : 38.60852, -95.3503

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	Weston Shale Member		27.0	887.4	SILTY GRAVEL, brown, poorly graded, subangular, fine to coarse grained, moist, loose				
			30.5 31.3	883.9 883.1	GRAVEL, poorly graded, subangular, fine to coarse grained, wet, medium loose, heavy SHALE, weathered				
			33.5 33.8	880.9 880.6	SHALE, weathered, brownish gray, soft, Weston Shale Member begin coring CLAYEY SHALE, thinly laminated, light gray and medium gray, firm, alternating thin light and medium gray laminations				878.5
				875					873.9
				870					

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NQ2 Diamond	Weston Shale Member		3	44.8	869.6	SANDY SHALE, thinly laminated, horizontal, platy, medium gray and light gray, very firm, interstitial only, still clayey too plant material, black, at 62.5'	■		868.6	
			4		865		864.9			
			5		860	858.8				
			6		855	853.7				
			7	65.0	849.4	SANDY SHALE, thinly laminated, gray, very firm to brittle, interstitial only, convoluted laminations in this bed SANDY SHALE, thinly laminated, horizontal, gray, very firm, bottom	■		848.8	
			8	66.1	848.3		843.5			
					71.2	843.2	SANDSTONE, light gray, soft to brittle, wet	■		
					71.5	842.9	SANDY SHALE, thinly laminated, gray, firm, wet, convoluted bedding & high angle bedding T.D. = 72.5	■		
		72.5	841.9							

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RTE./CO.	68-Franklin	SOUNDING NO.	cd-2	SHEET 3 of 3	
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