

20-27-25E

# KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-69 / Bourbon	SOUNDING NO.	CH-1	SHEET 1 of 3	
		PROJ. NO.	KA-1553-02	BRIDGE NO.	69-6-0.54 (094)
SITE NAME				US-69 HWY over West Fork Dry Wood Creek	
				HOLE STA.	501+37, 53.0' Rt CL
GEOLOGIST	T. LeSage, G.T.	SCALE	1 inch = 5.0 feet	DATE	January 20, 2015
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV.	817.28
GW ELEV.	814.6	TOTAL DEPTH	52.7	M/B ELEV.	810.4

GPS : 37.680678, -94.703238

	Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION			
BOREHOLE REPORT - KANSAS DOT.GDT - 5/15/15 08:48 - C:\TYSO\BRIDGES\BOURBON COUNTY\KA-1553-02 (BOURBON COUNTY)\KA-1553-02 (OVER WEST FORK DRY WOOD CREEK).GPJ	8" Hollow Augers	Cabanniss Fm.			817.3	Silty Clay, reddish brown							
					815								
					810	1	6.9	810.4	Limestone, very hard, light gray, fossiliferous, slightly weathered, weathers orange brown				
					809.3	2	8.0	809.3	Shale, soft, clayey, light brown				
					808.5		8.8	808.5	Shale, medium soft, dark gray to black, slightly fissile				808.08
					807.3	3	10.0	807.3	Shale, broken up, soft, black to brown				
					806.9		10.4	806.9	Limestone, black, very fine grained, hard, shaley				
					805	4	12.0	804.7	Shale, medium hard, black	148.0	7.87E+07		804.68
					804.5		12.8	804.5	Shale, dark gray fossiliferous				
					804.0	5	13.3	804.0	Shale, black, brittle, medium hard, carbonaceous	77.0	1.14E+07		802.58
					800	6	18.4	798.9	Shale, clayey, gray, soft				
					795	7	21.0	796.3	Shale, clayey, gray with dark gray laminations	2.1	104000		797.38
					795	8	22.7	794.6	Coal, vitreous, brittle				
					795	9	24.0	793.3	Underclay, light gray	16.4	1930000		795.48
					790	10	25.5	791.8	Shale, light gray, clayey, soft	22.0	1.27E+07		793.28
	790	11	26.2	791.1	Shale, dark gray, limey								
	790	12	26.4	790.9	Shale, light gray to olive, medium hard	1.5	169000		791.78				
	790	13	28.7	788.6	Shale, light to dark gray, soft, clayey	21.0	3550000		788.68				



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SITE NAME				US-69 HWY over West Fork Dry Wood Creek	HOLE STA.	501+37, 53.0' Rt CL

BOREHOLE REPORT - KANSAS DOT.GDT - 5/15/15 08.48 - C:\TYSON\BRIDGES\BOURBON COUNTY\KA-1553-02 (BOURBON COUNTY)\KA-1553-02 (OVER WEST FORK DRY WOOD CREEK).GPJ

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION			
	Cabanniss Fm.	NQ2 Diamond	9		Shale, light to dark gray, soft, clayey	7.6	482000		786.58			
			10	32.2	785	785.1	Shale, light gray to olive, medium hard	42.0	6580000	783.78		
			F. Coal	11	34.7	782.6	Sandstone, shaley, light gray to light brown,	449.0	1.56E+08	781.38		
				36.1	781.2	Shale, thinly laminated light and dark shales, with thin sand lenses						
				37.3	780	780.0	Shale, black, carbonaceous, medium soft to hard					
			Cabanniss Fm.	F. Coal	12			59.0	5600000		776.68	
					41.4	775	775.9	Coal, vitreous, brittle				
					42.7	774.6	Underclay					
				13	44.9	772.4	Shale, light gray to olive gray, medium hard, limey	120.0	4.28E+07		771.88	
				47.7	770	769.6	Shale, thinly laminated, alternating black and gray shale	46.0	1.24E+07		769.98	
		14				22.0	2130000		766.08			
			52.7	764.58	T.D. = 52.7							

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BOREHOLE REPORT - KANSAS DOT.GDT - 5/15/15 08.48 - C:\TYSON\BRIDGES\BOURBON COUNTY\KA-1553-02 (BOURBON COUNTY\KA-1553-02 (OVER WEST FORK DRY WOOD CREEK)).GPJ

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