

KANSAS DEPARTMENT OF TRANSPORTATION

✓ 1053061884



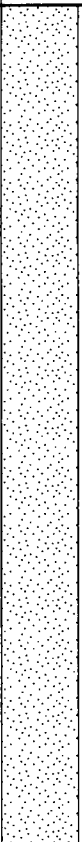
RTE./CO.	K-80 / Clay	SOUNDING NO.	CH 1	SHEET 1 of 4		
BRIDGE STA.	35+00: 6	PROJ. NO.	KA-3957-01	BRIDGE NO.	0.52 (041) <i>004 say 0220</i>	
SITE NAME				K-80 over Dry Ck		
HOLE STA.				34+30, 41.3' Lt CL		
GEOLOGIST	N. Croxton, P.G.	SCALE	1 inch = 5.0 feet		DATE	July 14, 2015
DRILLER	R. Hinderliter	RIG TYPE	CME 75		TOP HOLE ELEV.	1229.8
GW ELEV.	1214.8	TOTAL DEPTH	83.2		M/B ELEV.	1177.7
GPS COORDINATES		39.46649, -97.1892				

BOREHOLE REPORT - KANSAS DOT 01-09-17.GDT - 4/5/19 16:14 - Q:\GEOLOGY\GINT\KA-3957-01 80-14 HUNTRESS CK OR DRY CK.GPJ

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor: N60	ELEVATION
	Alluvium			1229.8	Silty clay, brown, gray-brown.				
			2.7	1227.1	Silty clay, tan and soft.				
			6.4	1223.4	Silty clay, tan to orange-brown, very firm.	1.1	63500		1223.7
			18.8	1211.0	Sandy clay, wet at 23, gravel zones.	0.9	38200		1218.7
			29.0	1200.8	Sand, fine-grained to coarse-grained, wet, some gravel.	1.0	62200		1213.7

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		HOLE STA.	34+30, 41.3' Lt CL

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8" Hollow Augers	Alluvium			1195	Sand, fine-grained to coarse-grained, wet, some gravel.							
				1190								
				1185								
				1180								
				52.1		1177.7	Shale, stiff, gray.					
				53.4		1176.4	Shale, gray, silty, moderately hard, brittle zones.	3.7	188000		1174.6	
			1			58.2	1171.6	Shale, gray, competent.				
				59.4		1170.4	Sandstone and shale, dark gray.	3.3	129000		1170.3	
				62.0		1167.8	Siltstone, light brown, thin, dark gray seams at 62.7	6.6	881000		1167.2	
				63.2		1166.6	Siltstone, pale gray-brown, medium hard.					
	64.2	1165.6	Shale, very dark gray.									
	64.5	1165.3	Shale, gray, silty, some fine-grained sand, brittle.									

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RTE./CO.	K-80 / Clay	SOUNDING NO.	CH 1	SHEET 3 of 4
BRIDGE STA.	35+00: 0	PROJ. NO.	KA-3957-01	BRIDGE NO. 0.52 (041)
SITE NAME	K-80 over Dry Ck			HOLE STA. 34+30, 41.3' Lt CL

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Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	SPT BLOW COUNT Hammer Cor. Factor: N60	ELEVATION	
NQ2 Diamond	Wellington Fm	3	88.2	1160	1161.6	Shale, gray, silty, some fine-grained sand, brittle.				
		4	72.0		1157.8	Shale, gray, thin and irregular bedding, wash below 69.9				
			73.2		1156.6	Gypsum, white with dark gray shaley inclusions.				
		5		1155		Gypsum, mostly white.	57.0	2.69E+07		1153.6
			78.2		1151.6	Gypsum, white, layered.				
			79.8	1150	1150.0	Limestone, coarse-grained, light gray.	50.0	1.36E+07		1149.4
			80.0		1149.8	Shale with limestone, very dark gray in upper 1/2" and lower 1/4"				
			81.6		1148.2	Limestone, light gray.				
			82.0		1147.8	Shale, mostly wash, dark gray, porous gypsum layer 82.3 to 82.4,				
			82.6		1147.2	Shale, gray and dark gray, competent.				
			83.2		1146.6	T.D. = 83.2				

11-80 CMAA lunchers OK
Bx 22
KA-2957-01
07/12/15