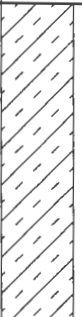


KANSAS DEPARTMENT OF TRANSPORTATION



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RTE./CO.	335 / Lyon	SOUNDING NO.	CD-1	SHEET 1 of 3
		PROJ. NO.	T-0009-01	BRIDGE NO. 335-56-143.180 N & S
SITE NAME	I-335 over Hill Creek			HOLE STA. 127+47.58, 44.8' Lt of CL
GEOLOGIST	J. Shaffer	SCALE	1 inch = 5.8 feet	DATE June 14, 2017
DRILLER	S. Hudson	RIG TYPE	CME 55	TOP HOLE ELEV. 1133.34
GW ELEV.	1130.3	TOTAL DEPTH	46.6	M/B ELEV. N/A
GPS COORDINATES 38.604612 , -96.064597				

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" Hollow Augers	Soil Mantle			1133.3	dark brown				
	Maple Hill Ls		10.2	1123.1	gray, hard, broken, weathered, fossiliferous				
NQ2 Diamond	Wamego Sh		11.4	1121.9	black, vitreous, minor carbonaceous black shale				
			11.7	1121.6	gray, clay rich, minor limestone lenses				
			2	1120		2.0	89800		1119.54
			3	1115		2.8	152000		1115.74
			4	1110		2.5	188000		1111.04
			5	1105		52.0	8020000		1106.54
			6	1100		47.0	6980000		1102.34
			7	1099.0	olive gray, minor greenish-gray shale	43.0	7390000		1100.34
			34.3						



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	335 / Lyon	SOUNDING NO.	CD-1	SHEET 2 of 3
		PROJ. NO.	T-0009-01	BRIDGE NO. 335-56-143.180 N & S
SITE NAME	I-335 over Hill Creek			HOLE STA. 127+47.58, 44.8' Lt of 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)	N60 COUNT (SPT)	ELEVATION
NQ2 Diamond	Wamego Sh		7		olive gray, minor greenish-gray shale	69.0	3.2E+07		1097.94
			36.4	1096.9	greenish-gray, calcareous, lime nodules, minor shale	48.0	2.05E+07		1096.44
			36.9	1096.4	greenish-gray, minor shale lenses, minor lime streaks				
			8	1095					
			41.8	1091.5	light gray, shaley	43.0	9000000		1092.04
			9	1090		36.0	6910000		1089.54
			45.4	1087.9	light gray, silty				
			46.6	1086.74	T.D. = 46.6	128.0	5.2E+07		1086.74



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	335 / Lyon	SOUNDING NO.	CD-1	SHEET 3 of 3
		PROJ. NO.	T-0009-01	BRIDGE NO. 335-56-143.180 N & S
SITE NAME	I-335 over Hill Creek			HOLE STA. 127+47.58, 44.8' Lt of CL

Bit Type										GEOLOGIC NAME										STRATIGRAPHIC COLUMN										DEPTH										ELEVATION										CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS										UNCONFINED COMPRESSION (TSF)										ELASTIC MODULUS (PSF)										N60 COUNT 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