NE ¼, NW ¼, Sec. 18, T25S, R16E Woodson County

KANSAS DEPARTMENT OF TRANSPORTATION

Kansas Department of Transportation

RTE./CO.	54-Woodson	SOUNDING NO.	CD-2	SHEET 1 of 2	
BRIDGE STA.	142+28.79: ℄	PROJ. NO.	KA-2112-01	BRIDGE NO.	54-104-15.45(029)
SITE NAME	US-54 over Union Pacific RR			HOLE STA.	143+35, 158.0' Rt of CL
GEOLOGIST	R. Ryan, P.G.	SCALE 1 inch = 7.5 feet		DATE	December 6, 2012
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV.	1002.76
GW ELEV.	N/A	TOTAL DEPTH	37.4	M/B ELEV.	993.36

N= 37.87870
E= -95.69298

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					1002.8		CLAY, compacted				
	Mantle		1	5.0	997.8		GRAVELLY CLAY, pea gravel				
				7.7	995.1		CLAY, stiff				
			2	9.4	993.4		CLAYEY SHALE, weathered, olive brown to brown, soft	6.3	495000		992.16
			3					6.6	522000		990.16
			4					2.8	129000		987.76
								3.1	198000		985.36
NQ2 Diamond	Weston Shale Member			17.3	985.5		SHALE, platy, olive brown to gray, firmer to firm	1.9	79400		983.36
			5					11.6	1350000		981.06
			6					7.1	391000		977.86
			7					6.9	437000		972.76
			8					13	1220000		969.26
			9					19	1710000		965.86
				37.4	965.36		T.D. = 37.4				

1000 995 990 985 980 975 970

BOREHOLE REPORT - KANSAS DOT.GDT - 4/24/13 14:57 - F:\DENNY\SURFACE\54-104 KA-2112-01\54104KA211201.GPJ

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RTE./CO.	54-Woodson	SOUNDING NO.	CD-2	SHEET 2 of 2	
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Core	Depth	Elev.	Cut	Rec	Rec %	RQD
1	5.0	997.76	2.7	0.8	30	0□
2	7.7	995.06	3.3	3.3	100	42□
3	11.0	991.76	1.7	1.9	112	47□
4	12.7	990.06	4.6	5.2	113	87□
5	17.3	985.46	4.9	5.2	106	100□
6	22.2	980.56	4.9	5.2	106	96□
7	27.1	975.66	0.5	0.5	100	0□
8	27.6	975.16	4.9	5.0	102	71□
9	32.5	970.26	4.9	5.1	104	94□
Total	**37.4**	**965.36**	**32.4**	**32.2**	**99**	□□□□□□