



56-23 KA-0033-01

US-56 over Middle Fork Taury Creek Drainage

Bridge No. 56-23-14.43(188)

Douglas County

CD 01

N:38.782632 E:-95.233463 (Approx.)

SW 1/4, SE 1/4, SW 1/4, Section 31, T14S, R20E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 1 of 3
BRIDGE STA.	124+86.33	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-14.43(188)
SITE NAME US-56 over Middle Fork Taury Creek Drainage			HOLE STA. 123+75, 55.0' Lt CL	
GEOLOGIST	R. Crow	SCALE	1 inch = 5.0 feet	DATE
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV.
GW ELEV.	1010.0	TOTAL DEPTH	62.5	M/B ELEV.
				993.45

BOREHOLE REPORT - KANSAS DOT.GDT - 1/10/11 11:31 - C:\DOCUMENTS AND SETTINGS\ROCKY\MY DOCUMENTS\CROWBRIDGE\56-23 KA-0033-01\MFTAURYDRAINAGE\188.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	
Diamond	Mantle	1	26.5	993.5	Shale, gray, sandy					
			27.8	992.2						
8" Hollow Augers	Mantle	2		1020.0	Silty clay, dark brown, moist					
				1015			6.3	260000		1013.95
				1010			0.3875	5850		1004.15
				995		0.815	33800		994.15	



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 2 of 3
BRIDGE STA.	124+86.33	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-14.43(188)
SITE NAME US-56 over Middle Fork Tauy Creek Drainage				HOLE STA. 123+75, 55.0' Lt CL

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	Diamond Lawrence Formation	2			Shale, gray	2.52	194000		989.35
		3	32.8	987.2	Shale, sandy, gray	40.35	4660000		986.15
		4		985		42.8	5120000		983.95
		5		980		79	8560000		978.25
		6	42.5	977.5	Shale and shaly sandstone, gray, micaceous	61.5	1.12E+07		972.75
		7		975		86.5	1.61E+07		971.85
		8		970		85.5	1.83E+07		967.85
				965		71	1.6E+07		966.05
			960		115.5	1.58E+07		960.45	
			62.5	957.45	T.D. = 62.5				



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 3 of 3
BRIDGE STA.	124+86.33	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-14.43(188)
SITE NAME US-56 over Middle Fork Tauy Creek Drainage				HOLE STA. 123+75, 55.0' Lt CL

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					<table border="1" style="width: 100%; border-collapse: collapse; margin: 10px auto;"> <thead> <tr> <th>Core</th> <th>Depth</th> <th>Elev.</th> <th>Cut</th> <th>Rec</th> <th>Rec %</th> <th>RQD</th> </tr> </thead> <tbody> <tr><td>1</td><td>26.5</td><td>993.45</td><td>1.3</td><td>1.5</td><td>115</td><td>62%</td></tr> <tr><td>2</td><td>27.8</td><td>992.15</td><td>5.0</td><td>5.0</td><td>100</td><td>88%</td></tr> <tr><td>3</td><td>32.8</td><td>987.15</td><td>4.7</td><td>4.9</td><td>104</td><td>100%</td></tr> <tr><td>4</td><td>37.5</td><td>982.45</td><td>5.0</td><td>5.0</td><td>100</td><td>98%</td></tr> <tr><td>5</td><td>42.5</td><td>977.45</td><td>5.0</td><td>5.0</td><td>100</td><td>20%</td></tr> <tr><td>6</td><td>47.5</td><td>972.45</td><td>5.0</td><td>5.0</td><td>100</td><td>80%</td></tr> <tr><td>7</td><td>52.5</td><td>967.45</td><td>5.0</td><td>5.0</td><td>100</td><td>96%</td></tr> <tr><td>8</td><td>57.5</td><td>962.45</td><td>5.0</td><td>5.0</td><td>100</td><td>98%</td></tr> <tr><td>Total</td><td>62.5</td><td>957.45</td><td>36.0</td><td>36.4</td><td>101</td><td>82%</td></tr> </tbody> </table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	26.5	993.45	1.3	1.5	115	62%	2	27.8	992.15	5.0	5.0	100	88%	3	32.8	987.15	4.7	4.9	104	100%	4	37.5	982.45	5.0	5.0	100	98%	5	42.5	977.45	5.0	5.0	100	20%	6	47.5	972.45	5.0	5.0	100	80%	7	52.5	967.45	5.0	5.0	100	96%	8	57.5	962.45	5.0	5.0	100	98%	Total	62.5	957.45	36.0	36.4	101	82%				
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