



56-23 KA-0033-01

US-56 over Middle Fork Tauy Creek

Bridge No. 56-23-15.18(189)

Douglas County

CD 01

N:38.782353 E:-95219378 (Approx.)

SW ¼, SW ¼, SW ¼, Section 32, T14S, R20E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 1 of 3	
BRIDGE STA.	163+73.35	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO.	56-23-15.18(189)
SITE NAME	US-56 over Middle Fork Tauy Creek			HOLE STA.	163+00, 52.0' Rt CL
GEOLOGIST	R. Crow	SCALE	1 inch = 5.0 feet	DATE	October 6, 2010
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV.	1005.96
GW ELEV.	1000.8	TOTAL DEPTH	47.7	M/B ELEV.	993.46

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	Mantle	1	1005	1006.0	Silt/silty clay, brown, moist	0.4755	14200		1000.16				
			1000	997.2						Silty clay, brown, wet, with gravel	0.122	2510	995.16
	Diamond	Lawrence Formation	2	12.5	993.5	Shale, tannish-gray, weathered	6.45	975000		988.66			
				17.7	988.3	Shale, gray, sandy					8.8	1100000	984.66
				27.7	978.3	Sandstone, cross-bedded, shaly, gray					8.65	1850000	980.16
		4			37.1	6310000		977.16					

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KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 2 of 3
BRIDGE STA.	163+73.35	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-15.18(189)
SITE NAME	US-56 over Middle Fork Tauy Creek			HOLE STA. 163+00, 52.0' Rt CL

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 Lawrence Formation	4	32.7	975	Sandstone, cross-bedded, shaly, gray				
		5		970	Shale, sandy, cross-bedded, micaceous, plant fragments, shear planes	14.1	1880000		970.16
		6		965		6.1	1840000		965.46
		7		960		40.85	9250000		961.36
			47.7	958.26	T.D. = 47.7				

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KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-56-Douglas	SOUNDING NO.	CD 01	SHEET 3 of 3
BRIDGE STA.	163+73.35	PROJ. NO.	56-23 KA-0033-01	BRIDGE NO. 56-23-15.18(189)
SITE NAME	US-56 over Middle Fork Taury Creek			HOLE STA. 163+00, 52.0' Rt 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																																																															
					<table border="1" style="width: 100%; border-collapse: collapse; margin: 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>12.7</td><td>993.26</td><td>5.0</td><td>5.0</td><td>100</td><td>82%</td></tr> <tr><td>2</td><td>17.7</td><td>988.26</td><td>5.0</td><td>5.0</td><td>100</td><td>88%</td></tr> <tr><td>3</td><td>22.7</td><td>983.26</td><td>5.0</td><td>5.0</td><td>100</td><td>86%</td></tr> <tr><td>4</td><td>27.7</td><td>978.26</td><td>5.0</td><td>5.0</td><td>100</td><td>88%</td></tr> <tr><td>5</td><td>32.7</td><td>973.26</td><td>5.0</td><td>5.0</td><td>100</td><td>22%</td></tr> <tr><td>6</td><td>37.7</td><td>968.26</td><td>5.0</td><td>5.0</td><td>100</td><td>92%</td></tr> <tr><td>7</td><td>42.7</td><td>963.26</td><td>5.0</td><td>5.0</td><td>100</td><td>82%</td></tr> <tr><td>Total</td><td>47.7</td><td>958.26</td><td>35.0</td><td>35.0</td><td>100</td><td>77%</td></tr> </tbody> </table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	12.7	993.26	5.0	5.0	100	82%	2	17.7	988.26	5.0	5.0	100	88%	3	22.7	983.26	5.0	5.0	100	86%	4	27.7	978.26	5.0	5.0	100	88%	5	32.7	973.26	5.0	5.0	100	22%	6	37.7	968.26	5.0	5.0	100	92%	7	42.7	963.26	5.0	5.0	100	82%	Total	47.7	958.26	35.0	35.0	100	77%				
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