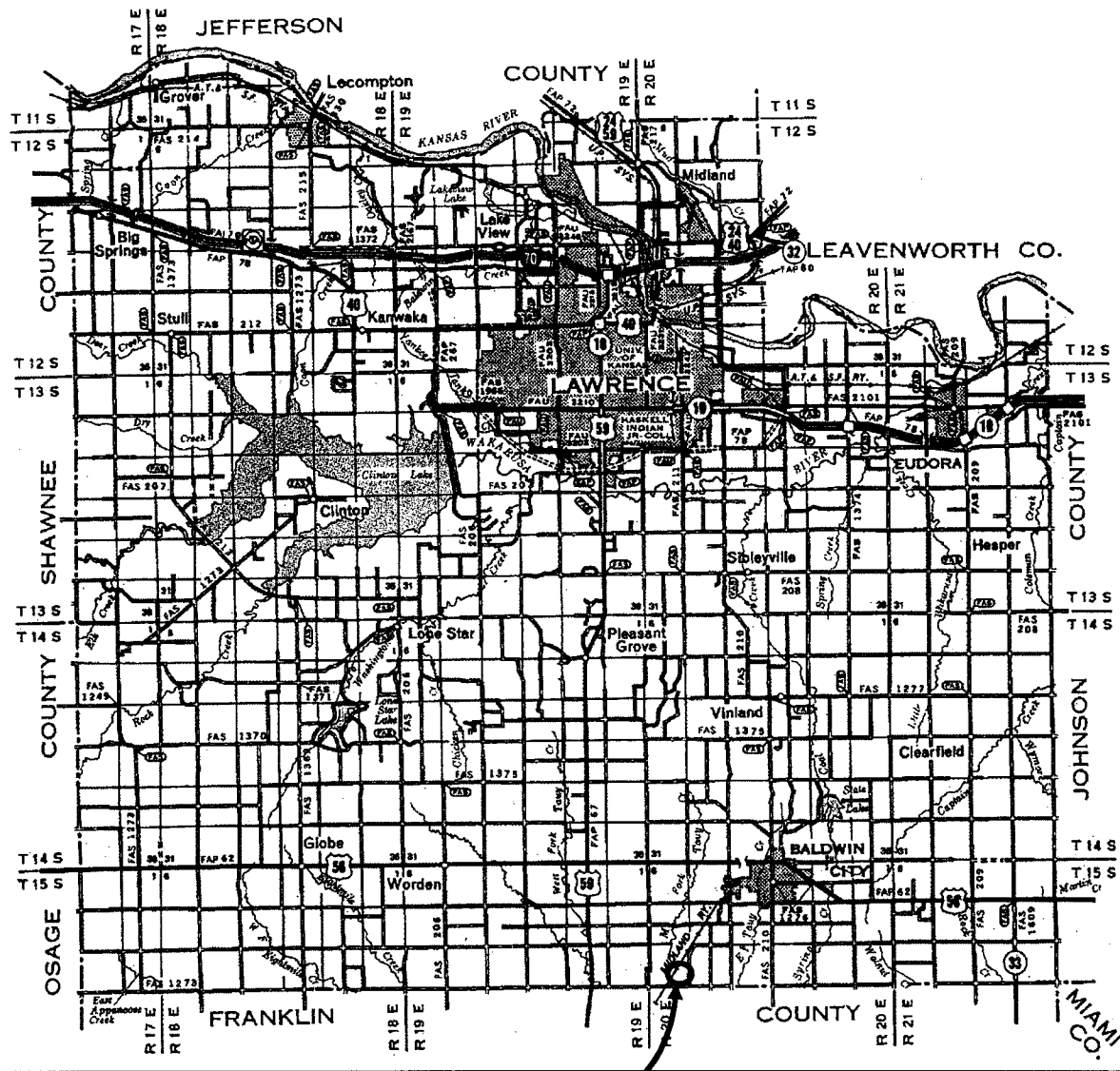




59-23 KA-2059-01

Old US-59 over West Fork Taury Creek

0.14 miles North of the Douglas/Franklin County Line

Douglas County

CD 01

N: 38.740325 E: -95.268250

SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, (Approx.)

Section 14, T15S, R19E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-59 / Douglas	SOUNDING NO.	CD 01	SHEET 1 of 3
		PROJ. NO.	59-23 KA-2059-01	BRIDGE NO. 59-23-00.14(4000)
SITE NAME	Old US-59 over West Fork Taury Creek			HOLE STA. 621+52, 41.0' Lt CL
GEOLOGIST	R. Crow, P.G.	SCALE	1 inch = 5.0 feet	DATE June 7, 2011
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV. 956.53
GW ELEV.	947.5	TOTAL DEPTH	56.6	M/B ELEV. 936.73

8" Hollow Augers										
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	Mantle			956.5	Silty clay, sandy, moist/wet		1.1	53000		951.63
				955		0.7	19800		946.63	
				950						
				945						
			12.9	943.6	Sand with clay binder, wet	0.3	18400		941.63	
		Lawrence Formation			940		0.3	9190		936.63
	19.8			936.7	Sandstone, large-grained, gray, broken					
	1			935						
	22.6			933.9	Sandstone, shaly, gray, micaceous, carboniferous, broken					
	2			930						
3	28.6	927.9	Shale, gray, sandy	30	2340000		927.23			

BOREHOLE REPORT - KANSAS DOT.GDT - 4/5/12 08:41 - O:\GEOLOGY\BRIDGE\59-23 KA-2059-01\US59 OVER TAURY CK.GPJ



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-59 / Douglas	SOUNDING NO.	CD 01	SHEET 2 of 3
		PROJ. NO.	59-23 KA-2059-01	BRIDGE NO. 59-23-00.14(4000)
SITE NAME	Old US-59 over West Fork Taury Creek			HOLE STA. 621+52, 41.0' Lt 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
NQ2 Diamond	Lawrence Formation		3	925	Shale, gray, sandy				
			4	920		32	4070000		922.13
			5	915		47	4280000		917.33
			6	914.9	Shale, gray	52	7540000		912.63
			44.4	912.1	Coal				
			44.9	911.6	Shale, sandy, light and dark gray varves, micaceous, limy				
			7	910		62	9380000		907.33
			8	905		82	1.61E+07		902.93
			54.7	901.8	Coal				
			55.5	901.0	Underclay, dark gray				
			56.6	899.93	T.D. = 56.6				



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-59 / Douglas	SOUNDING NO.	CD 01	SHEET 3 of 3
		PROJ. NO.	59-23 KA-2059-01	BRIDGE NO. 59-23-00.14(4000)
SITE NAME	Old US-59 over West Fork Taury Creek			HOLE STA. 621+52, 41.0' Lt CL

OVERHOLE REPORT - PANGAS DUT (SDT) - 4/2/12 08:41 - Q1GEOLOGIST BRNDCELS23 NW-2039-9 100000 OVEN TROT ON Q-9																																																																															
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<table><tr><td>Core</td><td>Depth</td><td>Elev.</td><td>Cut</td><td>Rec</td><td>Rec %</td><td>RQD</td></tr><tr><td>1</td><td>21.0</td><td>935.53</td><td>0.8</td><td>0.8</td><td>100</td><td>0%</td></tr><tr><td>2</td><td>21.8</td><td>934.73</td><td>5.0</td><td>5.0</td><td>100</td><td>0%</td></tr><tr><td>3</td><td>26.8</td><td>929.73</td><td>5.0</td><td>4.8</td><td>96</td><td>58%</td></tr><tr><td>4</td><td>31.8</td><td>924.73</td><td>4.8</td><td>4.8</td><td>100</td><td>96%</td></tr><tr><td>5</td><td>36.6</td><td>919.93</td><td>5.0</td><td>5.0</td><td>100</td><td>98%</td></tr><tr><td>6</td><td>41.6</td><td>914.93</td><td>5.0</td><td>4.9</td><td>98</td><td>98%</td></tr><tr><td>7</td><td>46.6</td><td>909.93</td><td>5.0</td><td>5.0</td><td>100</td><td>92%</td></tr><tr><td>8</td><td>51.6</td><td>904.93</td><td>5.0</td><td>4.8</td><td>96</td><td>84%</td></tr><tr><td>Total</td><td>56.6</td><td>899.93</td><td>35.6</td><td>35.1</td><td>99</td><td>73%</td></tr></table>										Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	21.0	935.53	0.8	0.8	100	0%	2	21.8	934.73	5.0	5.0	100	0%	3	26.8	929.73	5.0	4.8	96	58%	4	31.8	924.73	4.8	4.8	100	96%	5	36.6	919.93	5.0	5.0	100	98%	6	41.6	914.93	5.0	4.9	98	98%	7	46.6	909.93	5.0	5.0	100	92%	8	51.6	904.93	5.0	4.8	96	84%	Total	56.6	899.93	35.6	35.1	99	73%
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