

SE¼, SE¼, Sec. 1, T27S, R23E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	K-39 / Bourbon	SOUNDING NO.	CH-2	SHEET 1 of 3	
		PROJ. NO.	39-6 KA-3910-01	BRIDGE NO.	
SITE NAME	K-39 over Pawnee Creek		HOLE STA.	418+60, 25.0' Lt CL	
GEOLOGIST	T. LeSage, G.T.	SCALE	1 inch = 5.0 feet	DATE	March 24, 2016
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV.	871.13
GW ELEV.	863.6	TOTAL DEPTH	41.1	M/B ELEV.	859.6
GPS COORDINATES 37.71791389, -94.83490833					

BOREHOLE REPORT - KANSAS DOT GET - 4/7/16 13:39 - C:\TYSO\BRIDGES\BOURBON COUNTY\KA-3910-01 (K-39 OVER PAWNEE CREEK)\GINT\KA-3910-01.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
8" Hollow Stem Augers	Mantle			871.1	Sandy silty clay, dark brown, moist, soft				
				860					
NQ2 Diamond	Labette Sh Fm		1	11.5 12.5	859.6	Limestone, dark gray, hard	153.0	1.22E+08	858.63
			2	2	858.6	Shale, light gray, clayey, medium soft to medium hard	2.6	307000	855.83
			3	3	855		1.9	79400	852.23
			4	21.8 21.9 22.8	849.3 849.2 848.3	Limestone, hard Shale, light gray, medium hard Shale, dark gray, medium hard, laminated			847.93
			5	27.1 27.9	844.0 843.2	Coal, black Shale, black, medium hard, breaks easily along horizontal planes	80.0	7690000	844.73



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RTE./CO.	K-39 / Bourbon	SOUNDING NO.	CH-2	SHEET 2 of 3	
		PROJ. NO.	39-6 KA-3910-01	BRIDGE NO.	
SITE NAME	K-39 over Pawnee Creek			HOLE STA.	418+60, 25.0' Lt CL

BOREHOLE REPORT - KANSAS DOT.GDT - 4/7/16 13.39 - CITYSONBRIDGESIBOURBON COUNTY.KA-3910-01 (K-39 OVER PAWNEE CREEK)GINTKA-3910-01.GPJ

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NQ2 Diamond	Higginsville Ls Mbr		5	840	840.3	Shale, black, medium hard, breaks easily along horizontal planes				
			6	835	836.6	Limestone, tan-gray, hard, massive, abundant fusulinids	324.0	1.1E+08		839.83
			7			Limestone, tan-gray, hard, with algal seams throughout, massive	285.0	3.17E+08		836.83
			T.D.	830.03	830.03	T.D. = 41.1				832.43



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		HOLE STA.	418+60, 25.0' Lt CL

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					<table border="1" style="margin: auto; border-collapse: collapse;"> <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>11.5</td><td>859.63</td><td>0.3</td><td>0.3</td><td>100</td><td>0</td></tr> <tr><td>2</td><td>11.8</td><td>859.33</td><td>4.7</td><td>5.1</td><td>109</td><td>94</td></tr> <tr><td>3</td><td>16.5</td><td>854.63</td><td>5.0</td><td>5.0</td><td>100</td><td>58</td></tr> <tr><td>4</td><td>21.5</td><td>849.63</td><td>5.0</td><td>4.9</td><td>98</td><td>42</td></tr> <tr><td>5</td><td>26.5</td><td>844.63</td><td>5.0</td><td>5.1</td><td>102</td><td>32</td></tr> <tr><td>6</td><td>31.5</td><td>839.63</td><td>5.0</td><td>4.5</td><td>90</td><td>90</td></tr> <tr><td>7</td><td>36.5</td><td>834.63</td><td>4.6</td><td>4.6</td><td>100</td><td>96</td></tr> <tr><td>Total</td><td>41.1</td><td>830.03</td><td>29.6</td><td>29.5</td><td>100</td><td></td></tr> </tbody> </table> <p style="margin-top: 20px; font-family: cursive;"> Box 1 → 11.5' - 21.4' Box 2 → 21.4' - 33.6' Box 3 → 33.6' - 41.1' </p>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	11.5	859.63	0.3	0.3	100	0	2	11.8	859.33	4.7	5.1	109	94	3	16.5	854.63	5.0	5.0	100	58	4	21.5	849.63	5.0	4.9	98	42	5	26.5	844.63	5.0	5.1	102	32	6	31.5	839.63	5.0	4.5	90	90	7	36.5	834.63	4.6	4.6	100	96	Total	41.1	830.03	29.6	29.5	100					
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