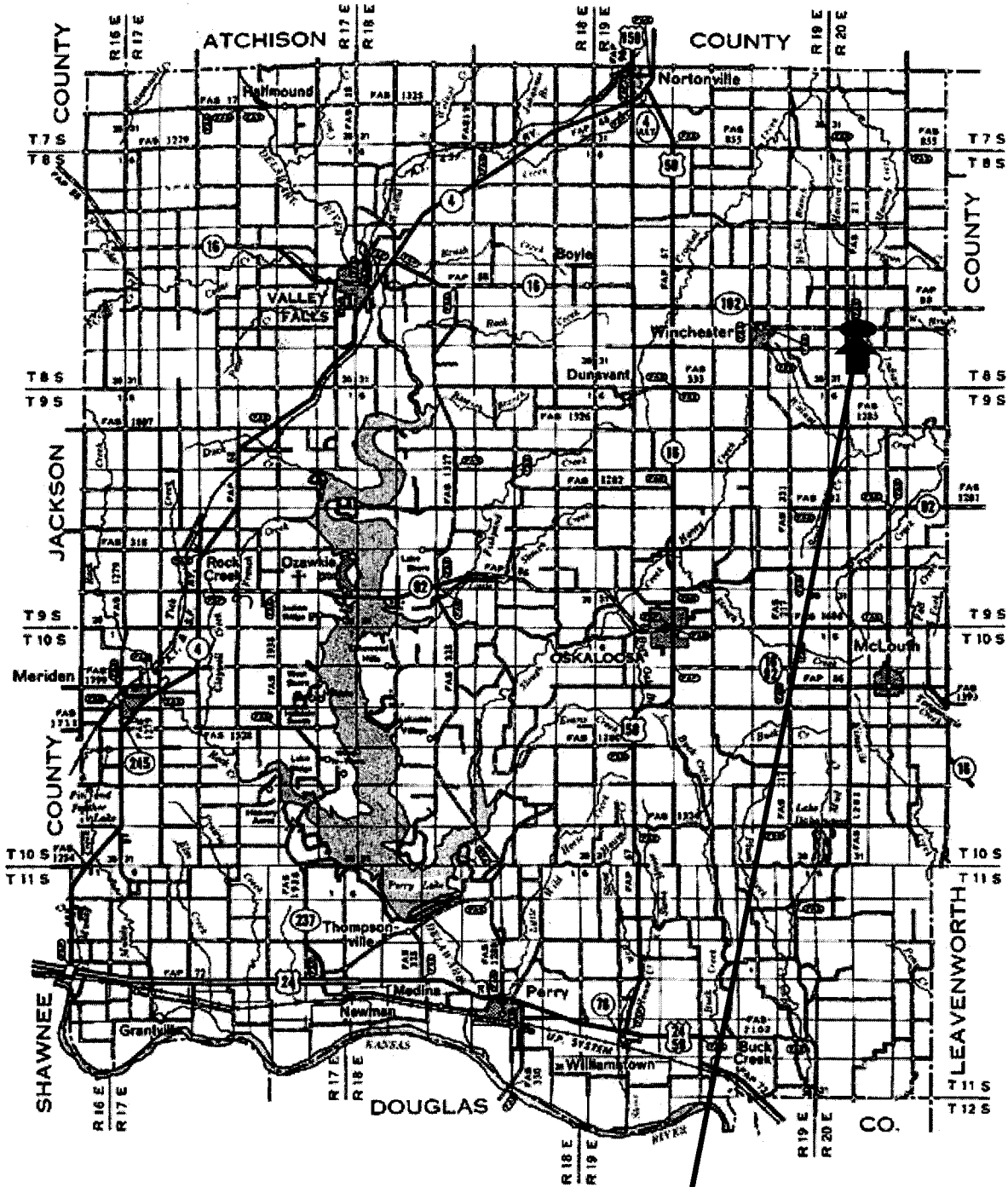




192-44K-0024 K 192 over Indian Creek

Bridge No. 192-44-5.43(031)

Jefferson County

CD 01

N:39.324915 E:-95.216024

SW ¼, SW ¼, NW ¼ Section 29, T08S, R20E

RTE./CO.	192-Jefferson	SOUNDING NO.	CD1	SHEET 1 of 3
		PROJ. NO.	KA-0024-01	BRIDGE NO.
SITE NAME	K-192 over Indian Creek			HOLE STA.
				31+15, 55.0' Lt
GEOLOGIST	J. Garven	SCALE 1 inch = 5.0 feet	DATE	May 26, 2010
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV.
				1038.9
GW ELEV.	1023.4	TOTAL DEPTH	53.6	M/B ELEV.
				1017.4

COREHOLE REPORT - NANSAS DOI, SDT - 11/17/10 12:42 - C:\DOCUMENTS AND SETTING\GSALE\WIDESKTOP\FLASHDRIVE FILES\NA-0024 - 192 OVER INDIAN CR.GPJ									
Bit Type		GEOLOGIC NAME		STRATIGRAPHIC COLUMN		DEPTH		ELEVATION	
8" Hollow Augers		Mantle						CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	
								UNCONFINED COMPRESSION (TSF)	
								ELASTIC MODULUS (PSF)	
								N60 COUNT (SPT)	
								ELEVATION	



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	192-Jefferson	SOUNDING NO.	CD1	SHEET 2 of 3
		PROJ. NO.	KA-0024-01	BRIDGE NO.
SITE NAME	K-192 over Indian Creek			HOLE STA. 31+15, 55.0' Lt

BOREHOLE REPORT - KANSAS DOT.GDT - 11/11/10 12:42 - C:\DOCUMENTS AND SETTINGS\GALEN\DESKTOP\FLASHDRIVE FILES\KA-0024_192 OVER INDIAN CK.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					Gray to dark gray shale in lower half, sand stone lens near bottom	0.51	81500		1007.0
						11.5	2000000		1002.8
			38.4 38.5	1000.5 1000.4	Sand Stone lens, tan dark gray, shale	86.5	4550000		999.3
			45.1	993.8	Shaly limestone, fossiliferous				
			45.9	993.0	Shale, clayey, gray				
			46.4	992.5	Black, limy shale, fossiliferous				
			46.8	992.1	Limestone, fossiliferous, fusulinids	311	2.23E+08		991.1
			49.5	989.4	Black, limy shale, some fossils	68	2.53E+07		988.5
			50.4	988.5	Siltstone, tan, limy				
			51.0	987.9	Green, siltstone	87	2.51E+07		987.0
			52.2	986.7	Tan and green striped, siltstone	209	1.21E+08		985.8
			53.1						
				985.3	T.D. = 53.6				



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	192-Jefferson	SOUNDING NO.	CD1	SHEET 3 of 3
		PROJ. NO.	KA-0024-01	BRIDGE NO.
SITE NAME	K-192 over Indian Creek			HOLE STA. 31+15, 55.0' Lt

BOREHOLE REPORT - KANSAS DOT.GDT - 11/11/10 12:42 - C:\DOCUMENTS AND SETTINGS\GALEN\DESKTOP\FLASHDRIVE FILES\KA-0024-192 OVER INDIAN CK.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																																																							
					<table><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>c1</td><td>23.7</td><td>1015.2</td><td>5.0</td><td>5.0</td><td>100</td><td>40%</td></tr><tr><td>c2</td><td>28.7</td><td>1010.2</td><td>4.9</td><td>5.2</td><td>106</td><td>71%</td></tr><tr><td>c3</td><td>33.6</td><td>1005.3</td><td>5.0</td><td>5.0</td><td>100</td><td>70%</td></tr><tr><td>c4</td><td>38.6</td><td>1000.3</td><td>5.0</td><td>5.0</td><td>100</td><td>90%</td></tr><tr><td>c5</td><td>43.6</td><td>995.3</td><td>5.0</td><td>5.0</td><td>100</td><td>80%</td></tr><tr><td>c6</td><td>48.6</td><td>990.3</td><td>5.0</td><td>4.5</td><td>90</td><td>90%</td></tr><tr><td>Total</td><td>53.6</td><td>985.3</td><td>29.9</td><td>29.7</td><td>99</td><td>74%</td></tr></tbody></table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	c1	23.7	1015.2	5.0	5.0	100	40%	c2	28.7	1010.2	4.9	5.2	106	71%	c3	33.6	1005.3	5.0	5.0	100	70%	c4	38.6	1000.3	5.0	5.0	100	90%	c5	43.6	995.3	5.0	5.0	100	80%	c6	48.6	990.3	5.0	4.5	90	90%	Total	53.6	985.3	29.9	29.7	99	74%			
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