

Datum WGS84 lat- 38.9395065 NE SW NENE
 long- -94.7455936 9-13-24E

HNTB		LOG OF BORING		BORING NO. B-26	
		PAGE 1 OF 2			
PROJECT <u>Gateway</u>			STATION / NORTHING <u>/ 237404.68</u>		
LOCATION <u>Johnson County, Kansas</u>			OFFSET / EASTING <u>/ 2237819.202</u>		
DATE STARTED <u>03/27/2012</u>		DATE COMPLETED <u>03/27/2012</u>	SURFACE ELEVATION <u>1034.0 ft</u>		
EXPLORATION CONTRACTOR <u>Terracon</u>			DATUM <u>NAVD 88</u>		
DRILLER <u>J. Johnson</u>		DRILL RIG <u>CME-75</u>	GROUND WATER LEVELS:		
HAMMER TYPE <u>Auto</u>		HAMMER EFFICIENCY <u></u>	▽ AT TIME OF DRILLING <u>NATD</u>		
LOGGED BY <u>L. Derr</u>		REVIEWED BY <u>J. Martens</u>	▼ AFTER <u>N/A</u>		

DRILLING METHOD	DEPTH (ft)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY (in)	CORE REC % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	GRAPHIC LOG	MATERIAL DESCRIPTION Unified (Visual) Classification System	GEOLOGIC NAME	ELEVATION (ft)
HSA 3.25" ID	0							Brown, Soft, LEAN CLAY, Moist (CL) (FILL)		1034.0
	5	SPT S1	12		21-13-40 (53)			Hard, LEAN to FAT CLAY, with Gravel and Limestone Dust (FILL)		1030
	5.5							Olive Brown, FAT CLAY, Moist (CH)		
CORE BARREL NQ2	10	SPT S2	12		30-40-43 (83)	4.5+		SHALE, Black, Laminated, Highly Weathered, Moderately Hard, Slight Odor	Eudora SH	1025
	11.5	NQ C1						LIMESTONE, Gray, Thick Bedded, Slightly Weathered, Moderately Hard	Captain Creek LS	1020
	15									
	15.5	NQ C2						6" SHALE Seam, Gray, Soft at 18'		
	19.5							SHALE, Gray, Thin Bedded, Slightly Weathered, Moderately Hard, Trace Sand LIMESTONE parting at 19.5'	Vilas SH	1015
	20	NQ C3						Becoming Laminated, Moderately Weathered		1010
	20.5									
	25									

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BORING LOG 2 W/O LAB DATA - GATEWAY TEMPLATE.GDT - 4/6/12 12:20 - C:\55921\GEO\TECH\GINT\GEOLOGY BORINGS.GPJ



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OF

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PROJECT Gateway

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	25									
	25.5	NQ C4		100% (95%)				LIMESTONE, Gray, Thick Bedded, Slightly Weathered, Moderately Hard	Plattsburg LS	1007.7
	30									1005
	30.5	NQ C5		63% (63%)				Dark Gray to Light Gray, Fine to Medium Grained, Moderately Weathered, Soft from 32.5' to 33' Gray, Fine Grained, Medium Bedded, Slightly Weathered, Hard at 33'		
	35							Note: Core was stuck in the hole. Recovery and RQD may not be representative of the in-place material.		1000
										35.5

Boring backfilled with Holeplug upon completion.
Auger Refusal at 11.5 feet.
Bottom of borehole at 35.5 feet.