

Datum: WGS 84 Lat: 38.9434835
Long: -94.7429294

4-13-24E NE SE SE SE

HNTB		LOG OF BORING		BORING NO.	
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PROJECT Gateway		STATION / NORTHING / 238879.436			
LOCATION Johnson County, Kansas		OFFSET / EASTING / 2238524.418			
DATE STARTED 04/02/2012 DATE COMPLETED 04/02/2012		SURFACE ELEVATION 1025.6 ft			
EXPLORATION CONTRACTOR Terracon		DATUM NAVD 88			
DRILLER K. Kempton DRILL RIG CME-55 ATV		GROUND WATER LEVELS:			
HAMMER TYPE Auto HAMMER EFFICIENCY 79%		☒ AT TIME OF DRILLING NATD			
LOGGED BY L. Wagner REVIEWED BY J. Martens		☒ AFTER N/A			

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)
	0							Topsoil		1025.6
	0.3							Brown, Very Stiff, LEAN CLAY with Silt, Slightly Moist (CL) (FILL)		1025
	5	SPT S1	4		6-8-9 (17)					
	5.3							Brown to Red, Very Stiff, FAT CLAY, Moist (CH) (FILL)		1020
	10	SPT S2	12		4-7-14 (21)			With Sand and Gravel from 10.2 - 11.5'		1015
	13.5							Hit electrical cord at 13' (abandoned line)		1012.1
	15	SPT S3	11		17-50/5"	2.5		SHALE, Brown, Laminated, Highly Weathered, Soft	Vilas SH	
	14.7							Becoming Gray at 14.7'		1010
	19.0							Becoming Weathered, Moderately Hard		
	20.6	SPT S4	15		21-43-50/4"					
	20.5							LIMESTONE, Gray, Medium Bedded, Weathered, Moderately Hard, Fossiliferous	1005	1005
	25.0								Plattsburg LS	

CORE BARREL	DEPTH (ft)	REMARKS
NQ	0 - 25	
NQ C1	20.5 - 25	98% (75%)

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BORING LOG 2 W/O LAB DATA - GATEWAY_TEMPLATE.GDT - 4/8/12 12:38 - C:\55921\GEO\TECH\GINT\GEOLOGY BORINGS.GPJ



LOG OF BORING

BORING NO.

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PROJECT Gateway

STATION / NORTHING / 238879.436

LOCATION Johnson County, Kansas

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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)
	25									
	25.5	NO						LIMESTONE, Gray, Medium to Thick Bedded, Weathered, Moderately Hard, Fossiliferous		1000
		NQ C2		98% (70%)						
	30									
	30.5									995
		NQ C3		100% (73%)				3" Gray, Soft SHALE Seam at 33.4'		
	35									
	35.3									990.3
	35.5							SHALE, Gray, Laminated, Weathered, Soft 6" LIMESTONE Seam at 35.5	Bonner Springs SH	990
		NQ C4		100% (62%)						
	38.6									
								SANDSTONE with Interbedded Shale, Gray, Very Thin to Thin Bedded, Slightly Weathered, Moderately Hard		
	40									
	40.5									

Boring backfilled with Holeplug upon completion.
Bottom of borehole at 40.5 feet.