

Datum: WGS 84 Lat: 38.9334622
Long: -94.7515689

9-13-24E SENESESW

HNTB

LOG OF BORING

BORING NO.

B-30

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PROJECT Gateway

STATION / NORTHING / 235143.672

LOCATION Johnson County, Kansas

OFFSET / EASTING / 2236199.631

DATE STARTED 03/29/2012 DATE COMPLETED 03/29/2013

SURFACE ELEVATION 1059.3 ft

EXPLORATION CONTRACTOR Terracon

DATUM NAVD 88

DRILLER J. Johnson

DRILL RIG CME-75

GROUND WATER LEVELS:

HAMMER TYPE Auto

HAMMER EFFICIENCY

▽ AT TIME OF DRILLING NATD

LOGGED BY L. Derr

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									1059.3
HSA 3.25" ID								Topsoil		0.2
								Brown, LEAN to FAT CLAY, Trace Organics, Wood		
	5	ST U1	23			1.75		Mottled Orange, Firm to Stiff, Silty LEAN CLAY, Moist (CL)		1055
	10	ST U2	18			2.75		Same as above		1050
								With Rock Fragments at 11'		
	15	SPT S1	13		2-3-50/1"			Orange with Trace Gray and Black (Mottled), Stiff, FAT CLAY, Moist (CH), Blocky Structure		13.0
	16									14.5
CORE BARREL NQ2								LIMESTONE, Gray, Thin Bedded, Weathered, Moderately Hard	Stoner LS	1044.8
		NQ C1		92% (20%)						
	20									1040
	21							Crystalline, Some Fossils		
	25	NQ C2		100% (45%)						1035

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	25									
	26	NQ						LIMESTONE, Gray, Thin Bedded, Weathered, Moderately Hard (continued) Becoming Dark Gray with Silty Sandy Seams, Thick Bedded		
	28.3	NQ C3		100% (92%)					1031	
	30							SHALE, Black to Dark Gray, Very Thin Bedded, Slightly Weathered, Moderately Hard to Hard	Eudora SH	1030
	31									
	33.5	NQ C4		100% (95%)					1025.8	
	35							LIMESTONE, Gray, Very Fine Grained, Thick Bedded, Slightly Weathered to Fresh, Hard, Vuggy	Captain Creek LS	1025
	36.0									

Boring backfilled with Holeplug upon completion.
Auger Refusal at 16.0 feet.
Bottom of borehole at 36.0 feet.