

Datum: WGS84 Lat. 38.9425128°
- 94.7675416°

SW SE SW SE
5-13-24E



LOG OF BORING

BORING NO.

B-18

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PROJECT Gateway

STATION / NORTHING / 238275.353

LOCATION Johnson County, Kansas

OFFSET / EASTING / 2231541.226

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

SURFACE ELEVATION 968.6 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 9.5 ft

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									968.6
								Topsoil		0.5
								Brown, Stiff, FAT CLAY, Moist (CH)		
	5	ST U1	14			1.5				965
	10	ST U2	24			0.5				960
								Medium Stiff, Silty, Very Moist		
	15	SPT S3	17		WOH-WOH-1 (1)	<0.25		Very Soft, Silty, Trace Sand, Wet		955
	19.2	SPT S4	2		50/2"					18.0
	20	NQ NQ C1		100% (88%)				LIMESTONE, Gray, Medium Bedded, Slightly Weathered, Moderately Hard, Fossiliferous	Farley LS	950.6
	20.5									
										20.8
								SHALE, Gray, Laminated, Weathered, Soft		
		NQ NQ C2		97% (93%)						
	25									945

BORING LOG 2 W/O LAB DATA - GATEWAY TEMPLATE.GDT - 4/6/12 11:49 - O:\55921\GEO\TECH\GINT\GEOLOGY BORINGS.GPJ

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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	NQ C3		100% (97%)				SHALE, Gray, Laminated, Weathered, Soft (continued)		
	28.2									
	30	NQ C4		100% (47%)				LIMESTONE, Gray, Medium to Thick Bedded, Slightly Weathered, Moderately Hard		940
	30.5									
	35	NQ C5		100% (83%)				LIMESTONE with Shale Lenses, Gray, Thin to Medium Bedded, Slightly Weathered, Moderately Hard		935
	35.5									
	40	NQ C6		100% (90%)						930
	40.5									
	43.0									
	43.0									
	45							SHALE, Gray, Laminated, Slightly Weathered, Moderately Hard	Island Creek SH	925
	45.5									

Boring backfilled with Holeplug upon completion.
Auger Refusal at 19.2 feet.
Bottom of borehole at 45.5 feet.