

DESCRIPTION	REVISIONS	DATE

**BORING LOG NO. B-1**

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**PROJECT:** Bridge 181A over Little Deep Fork Creek      **CLIENT:** Guy Engineering  
**SITE:** Creek County, Oklahoma

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	UNCONFINED COMPRESSIVE STRENGTH (psf)	WATER CONTENT (%)	ATTERBERG LIMITS	PERCENT FINES
Station: 61+46    Offset: 7 RT Surface Elev.: 814.5 (Ft.) DEPTH ELEVATION (Ft.)	3' Topsoil <b>SILTY SAND (SM)</b> , brown, loose to medium dense	18			18	6-7-4 N=11		4		
		18			18	3-2-2 N=4		4	NP	30
		5			18	3-2-3 N=5		7		
		10			15	3-4-6 N=10		17		
		15			18	3-2-4 N=6		20	32-15-17	78
9.0 <b>LEAN CLAY (CL)</b> , with sand, reddish-brown and gray, medium stiff to stiff 805.5				18	3-4-4 N=8		21			

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEG SMART LOG-NO WELLS 04155168 BORE LOGS.GPJ

Stratification lines are approximate. In-situ, the transition may be gradual.      Hammer Type: Automatic  
 \*Classification estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

Advancement Method: Hollow Stem Auger to 30 feet Wash Boring below 30 feet	See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any). See Appendix C for explanation of symbols and abbreviations.	Notes: Boring Started: 10/19/2016      Boring Completed: 10/19/2016
Abandonment Method: Backfilled with cuttings above 4'; grouted 4' to 14'; backfilled with cuttings from 14' to termination depth.	See Appendix C for explanation of symbols and abbreviations.	Drill Rig: ATV 945      Driller: KW Project No.: 04155168      Exhibit: A-4

**Terracon**  
 9522 E 47th Pl, Ste D  
 Tulsa, OK

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Page 2 of 3

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Station: 61+46    Offset: 7 RT Surface Elev.: 814.5 (Ft.) DEPTH ELEVATION (Ft.)	<b>LEAN CLAY (CL)</b> , with sand, reddish-brown and gray, medium stiff to stiff (continued)	18			18	2-2-2 N=4		21			
		27.0			787.5	<b>SHALEY LEAN CLAY (CL)</b> , red, very stiff					
		30			18	7-10-18 N=28		17	27-14-13	85	
		34.0			780.5	<b>SHALE+</b> , with sandstone seams, red, soft to moderately hard					
		35			12	26-50/6"		15			
40				50/1 1/16"							
				50/1 3/8"							

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**Terracon**  
 9522 E 47th Pl, Ste D  
 Tulsa, OK

Friday, July 28, 2017 10:14:29 AM  
 V:\13-850 Br 181A Little Deep Fork Ck - Creek 3\CIV3D\PLANS\850-BORING LOGS.dwg

BR. 181A OVER LITTLE DEEP FORK CREEK COUNTY		Design	BSF	07/17	
BRIDGE "A"		Detail	BLP	07/17	
<b>BORING LOGS</b> <b>SHEET 1 OF 5</b>		Check	JRW	07/17	
		Squad	Eng. GUY		
<b>STATE OF OKLAHOMA</b>	GUY ENGINEERING SERVICES, INC.	JOB PIECE NO.	29407(04)	SHEET NO.	B005