

BORING LOG		BORING NO. B-03		PAGE 1 OF 3						
CLIENT: CIRCUIT ENGINEERING DISTRICT #8		ENGINEER: TYLER SCHRODER, PE								
LOCATION: NS063 OVER SAND CREEK--TEXAS COUNTY, OK		PROJECT: J/P 30490(04)--BRIDGE REPL OVER SAND CREEK								
GRAPHICS LOG	LAYER / MATERIAL DESCRIPTION Station= 107+18.6, 23.5' LT CL SURV. Surface Elev. = 3394.66 feet Veg. Thick.: 6" GRASS COVER	DEPTH, FT.	SAMPLES			TESTS				
			USCS SYMBOL NUMBER	TYPE	RECOVERY, IN.	SPT-N BLOWS / FT.	MOISTURE, %	DRY DENSITY, PCF	UNCONFINED STRENGTH, PSF	LIMITS (LL) (PL) INDEXES (PI) #200 SIEVE
	MEDIUM DENSE, LIGHT BROWN, SILTY SAND WITH CALICHE & CALCITE SEAMS ELEV. = 3381.66	5	SM 1	SS	18	22	13.5		LL = NP PL = NP PI = NP #200 = 37.8%	
				HS						
			10	SM 2	SS	18	23	8.1		LL = NP PL = NP PI = NP #200 = 38.0%
					HS					
	MEDIUM DENSE TO DENSE, LIGHT BROWN, CLAYEY SAND WITH CALICHE & CALCITE SEAMS ELEV. = 3371.66	15	SC 3	SS	18	25	12.6		LL = 29 PL = 14 PI = 15 #200 = 18.8%	
					HS					
			20	SC 4	SS	18	18	10.9		LL = 23 PL = 14 PI = 9 #200 = 34.7%
					HS					
DENSE, LIGHT BROWN, SILTY SAND WITH CALICHE & CALCITE SEAMS ELEV. = 3366.66	25	SM 5	SS	18	25	16.8		LL = NP PL = NP PI = NP #200 = 31.5%		
				HS						
HARD, LIGHT BROWN, SANDY LEAN CLAY WITH CALICHE & CALCITE SEAMS ELEV. = 3361.66	30	CL 6	SS	18	42	20.5		LL = 35 PL = 21 PI = 14 #200 = 56.6%		
				HS						
DENSE, LIGHT BROWN, SILTY SAND WITH CALICHE & CALCITE SEAMS ELEV. = 3356.66	35	SM 7	SS	18	33	12.1		LL = NP PL = NP PI = NP #200 = 31.6%		
				HS						
HARD, LIGHT BROWN, SANDY LEAN CLAY WITH CALICHE & CALCITE SEAMS ELEV. = 3316.66	40	CL 8	SS	18	50	22.6		LL = 45 PL = 29 PI = 25		
REMARKS: SOIL AND ROCK CLASSIFICATIONS ARE FROM DISTURBED SAMPLES. CORE SAMPLES AND FURTHER LABORATORY TESTING MAY REVEAL OTHER ROCK AND/OR SOIL TYPES. THE STRATIFICATION SHOWN IN THE SOIL AND ROCK ABOVE IS AN ESTIMATION OF IN-SITU CONDITIONS. THEREFORE, THE NATURAL TRANSITION BETWEEN SOIL AND ROCK TYPES MAY BE GRADUAL. * ESTIMATED FROM POCKET PENETROMETER						WATER LEVEL OBSERVATIONS NONE--WD N/A--AB DATE STARTED 9/9/15 DATE COMPLETED 9/9/15 RIG CME-550X FOREMAN C.K. REVIEWED C.K. JOB NO. 1448				

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	(Continued) ELEV. = 3351.66	45	SM 9	SS	18	39	23.9		LL = NP PL = NP PI = NP #200 = 20.2%	
				HS						
			50	SM 10	SS	18	58	6.9		LL = NP PL = NP PI = NP #200 = 32.0%
					HS					
			55	SM 11	SS	18	59	9.7		LL = NP PL = NP PI = NP #200 = 27.4%
					HS					
			60	SM 12	SS	18	89	9.9		LL = NP PL = NP PI = NP #200 = 40.0%
					HS					
			65	SP-SM 13	SS	18	39	3.7		LL = NP PL = NP PI = NP #200 = 7.0%
					HS					
			70	SP-SM 14	SS	18	46	5.1		LL = NP PL = NP PI = NP #200 = 12.2%
					HS					
		75	SP-SM 15	SS	18	56	4.2		LL = NP PL = NP PI = NP #200 = 8.6%	
				HS						
		80	SM 16	SS	12	24/6" 50/5.5"	5.8		LL = NP PL = NP PI = NP #200 = 29.8%	
				HS						
		85								
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	(Continued) ELEV. = 3273.33	90	SM 17	SS	14	38/6" 50/4.5"	7.0		LL = NP PL = NP PI = NP #200 = 46.6%	
				HS						
			95	SM 18	SS	17	80	11.0		LL = NP PL = NP PI = NP #200 = 17.6%
					HS					
			100	SM 19	SS	16	49/6" 50/5"	10.3		LL = NP PL = NP PI = NP #200 = 19.3%
					HS					
			105	SM 20	SS	18	76	11.6		LL = NP PL = NP PI = NP #200 = 17.1%
					HS					
			110	SM 21	SS	6	50/5.38"	13.7		LL = NP PL = NP PI = NP #200 = 15.2%
					HS					
		115	SM 22	SS	5	50/5"	13.4		LL = NP PL = NP PI = NP #200 = 13.8%	
				HS						
		120	SM 23	SS	15	49/6" 50/4"	20.4		LL = NP PL = NP PI = NP #200 = 45.2%	
				HS						
		125	SM 24	SS	16	42/6" 50/4"	20.3		LL = NP PL = NP PI = NP #200 = 45.2%	
				HS						
Bottom of Boring at 121.33 feet						WATER LEVEL OBSERVATIONS NONE--WD N/A--AB DATE STARTED 9/9/15 DATE COMPLETED 9/9/15 RIG CME-550X FOREMAN C.K. REVIEWED C.K. JOB NO. 1448				