

BORING LOG		BORING NO. B-02		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= 106+26.1, 23.1' RT CL SURV. Surface Elev. = 3393.36 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
	LOOSE TO MEDIUM DENSE, LIGHT BROWN, POORLY GRADED SAND WITH SILT WITH CALCICHE & CALCITE SEAMS ELEV. = 3380.86	5	SP-SM 1	SS	16	11	5.6		LL = NP PL = NP PI = NP #200 = 5.0%
		10	SP-SM 2	SS	16	9	3.3		LL = NP PL = NP PI = NP #200 = 4.7%
		15	SC 3	SS	8	18	11.7		LL = 27 PL = 15 PI = 9 #200 = 31.1%
	MEDIUM DENSE, LIGHT BROWN, CLAYEY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3365.86	20	SC 4	SS	16	22	8.9		LL = 25 PL = 14 PI = 11 #200 = 44.0%
		25	SC 5	SS	18	19	18.4		LL = 28 PL = 14 PI = 14 #200 = 47.7%
	DENSE, LIGHT BROWN, SILTY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3360.86	30	SM 6	SS	18	26	22.2		LL = NP PL = NP PI = NP #200 = 30.5%
		35	SC 7	SS	18	39	20.3		LL = 24 PL = 15 PI = 9 #200 = 47.0%
	DENSE, LIGHT BROWN, CLAYEY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3355.86	40	CL 8	SS	18	43	33.2		LL = 43 PL = 19 PI = 24
HARD, LIGHT BROWN, SANDY LEAN CLAY WITH CALCICHE & CALCITE SEAMS ELEV. = 3350.86									
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 DATE STARTED 9/8/15 WL NONE-WD N/A-AB DATE COMPLETED 9/8/15 WL FT-24HR AB (W.I.) RIG CME-550X FOREMAN C.K. WL WET CAVE-IN AT 52 FEET REVIEWED C.K. JOB NO. 1448			

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	DENSE, LIGHT BROWN, SILTY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3345.86	45	SM 9	SS	18	45	16.2		LL = NP PL = NP PI = NP #200 = 30.1%
		50	CH 10	SS	18	38	29.9		LL = 59 PL = 22 PI = 37 #200 = 88.5%
	HARD, LIGHT BROWN, FAT CLAY WITH SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3340.36	55	SM 11	SS	16	40/6" 50/4.5"	25.7		LL = NP PL = NP PI = NP #200 = 26.4%
		60	SM 12	SS	10	31/6" 50/4.5"	11.3		LL = NP PL = NP PI = NP #200 = 24.1%
	EXTREMELY DENSE, LIGHT BROWN, SILTY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3330.36	65	SC 13	SS	10	30/6" 50/4.75"	12.4		LL = 26 PL = 10 PI = 16 #200 = 38.9%
		70	SC 14	SS	14	41/6" 50/3.5"	16.5		LL = 29 PL = 15 PI = 14 #200 = 36.0%
	EXTREMELY DENSE, LIGHT BROWN, CLAYEY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3320.36	75	SM 15	SS	14	44/6" 50/2"	7.1		LL = NP PL = NP PI = NP #200 = 33.8%
		80	SM 16	SS	12	43/6" 50/6"	8.0		LL = NP PL = NP PI = NP #200 = 29.8%
EXTREMELY DENSE, LIGHT BROWN, SILTY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3310.36	85								
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	EXTREMELY DENSE, LIGHT BROWN, POORLY GRADED SAND WITH SILT WITH CALCICHE & CALCITE SEAMS ELEV. = 3305.36	90	SM 17	SS	14	38/6" 50/5.5"	3.6		LL = NP PL = NP PI = NP #200 = 10.0%
		95	SM 18	SS	10	46/6" 60/4.25"	16.8		LL = NP PL = NP PI = NP #200 = 24.5%
	EXTREMELY DENSE, LIGHT BROWN, SILTY SAND WITH CALCICHE & CALCITE SEAMS ELEV. = 3300.36	100	SP-SM 19	SS	10	50/6"	13.2		LL = 22 PL = 15 PI = 7 #200 = 52.2%
	VERY HARD, LIGHT BROWN, SANDY SILTY CLAY WITH CALCICHE & CALCITE SEAMS ELEV. = 3295.36	105	SP-SM 20	SS	18	74	14.4		LL = NP PL = NP PI = NP #200 = 12.0%
		110	SP-SM 21	SS	18	73	14.3		LL = NP PL = NP PI = NP #200 = 11.6%
		115	SP-SM 22	SS	12	26/6" 50/6"	12.5		LL = NP PL = NP PI = NP #200 = 12.5%
		120	SP-SM 23	SS	12	26/6" 50/5"	16.1		LL = NP PL = NP PI = NP #200 = 6.0%
		125	SP-SM 24	SS	12	26/6" 50/6"	16.0		LL = NP PL = NP PI = NP #200 = 5.9%
Bottom of Boring at 121.00 feet						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			
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