



Quaternary Resource Investigations, LLC  
 13588 Florida Blvd  
 Baton Rouge, LA 70819  
 Telephone: 225-292-1400  
 Fax: 225-292-1404

**BORING NUMBER 13-B114**

CLIENT \_\_\_\_\_ PROJECT NAME Peggy Lake Placement Area  
 PROJECT NUMBER W912HY-13-D-0001; Task Order 0002 PROJECT LOCATION La Porte, Texas  
 DATE STARTED 3/29/2013 9:00:00 AM COMPLETED 3/29/2013 1:34:00 PM GROUND ELEVATION 14.2467 ft HOLE SIZE 8.25 inches  
 DRILLING CONTRACTOR Quaternary Resource Investigations, LLC NORTHING 13836536.29 ft EASTING 3215589.031 ft  
 DRILLING METHOD Hollow Stem Auger DRILLING RIG MAKE/MODEL Geoprobe 6610DT  
 LOGGED BY Terri Russin TOTAL DEPTH 30 ft GROUND WATER LEVEL \_\_\_\_\_  
 WEATHER sunny, cool, 60s - 70s, breezy to windy AT TIME OF DRILLING 8.00 ft / Elev 6.25 ft 4/12/2013 9:23:00 AM

K:\TOPI\PEGGY LAKE PLACEMENT AREA.3\_9-27-13.GPJ  
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 GEOTECH BH - PEGGY LAKE TEMPLATE.GDT - 10/2/13 10:39 - C:\DOCUMENTS AND SETTINGS\TRU...  
 COPY OF PEGG

GRAPHIC LOG	USCS SYMBOL	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE	RECOVERY (in)	SPT BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	FIELD TORVANE (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS				MINUS #200 SIEVE CONTENT (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
											LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX					
	CL	Silty CLAY, light brown, some black hydrocarbon staining, moist, medium plasticity, dry and hard on the top, with rootlets	0	ST	13		3.2/1.7											
			1	ST	20		0/1.5	0.9/--			28				65			
	SP	SAND, yellow orange grading to light grayd, medium grained, moist, no plasticity	5	ST	9		0.75			38								
			10	ST	17		0.4/2.0			13								
	CH	CLAY, light brown grading to yellow orange, moist, high plasticity, with caliche, blocky texture	10	SS	24		2.25/0.5			57								
			11	ST	14		0.3/0.65			32				93				
	CH	CLAY, light brown grading to yellow orange, moist, high plasticity, with caliche, blocky texture	12	ST	19		0/1.15	0.9/--	98	25								
			13	ST	13		0.75/1.25											
	CH	CLAY, dark gray to black, very soft, moist, hydrocarbon odor	14	ST	19		0.75/1.15			52								
			15	ST	18		1.25/0	--/2.3	101	26	55	19	36	84	0.6	14.7	0	
	CH	CLAY, dark gray to black, very soft, moist, hydrocarbon odor	16	ST	21		0/2.0	1.1/--		39								
			17	ST	21		0/0.2	--/2.3		42								
	CH	CLAY, dark gray to black, very soft, moist, hydrocarbon odor	18	ST	6		0.45/1.25			30								
			19	ST	22		0/<0.25	1.0/1.6		72	93	27	66					
	CH	CLAY, dark gray to black, very soft, moist, hydrocarbon odor	20	ST	22		0/0	1.1/1.0										
			21	ST	22		0/0	1.1/1.0										

Bottom of borehole at 30.0 feet.