



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

BORING NUMBER 13-B125

CLIENT _____ PROJECT NAME Peggy Lake Placement Area
 PROJECT NUMBER W912HY-13-D-0001; Task Order 0002 PROJECT LOCATION La Porte, Texas
 DATE STARTED 3/17/2013 2:45:00 PM COMPLETED 3/19/2013 1:15:00 PM GROUND ELEVATION 12.732 ft HOLE SIZE 8.25 inches
 DRILLING CONTRACTOR Quaternary Resource Investigations, LLC NORTHING 13834752.82 ft EASTING 3219440.734 ft
 DRILLING METHOD Hollow Stem Auger DRILLING RIG MAKE/MODEL Geoprobe 6610DT
 LOGGED BY Terri Russin TOTAL DEPTH 30 ft GROUND WATER LEVEL _____
 WEATHER partly cloudy, 60s - 70s, windy AT TIME OF DRILLING 8.00 ft / Elev 4.73 ft 3/17/2013 4:03:00 PM

KTO/PEGGY LAKE PLACEMENT AREA 3, 9-27-13.GPJ

E GEOTECH BH - PEGGY LAKE TEMPLATE GDT - 10/2/13 10:39 - C:\DOCUMENTS AND SETTINGS\TRL

COPY OF PEGGY

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				COMPRESSION INDEX	MINUS #200 SIEVE CONTENT (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
											LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX						
	CL	Silty CLAY, light brown, damp, medium plasticity	0	ST	18		0.5												
	CH	CLAY, black, very soft, moist, plastic																	
	CL	Sandy CLAY, light brown, damp, plastic		ST	19		0.4			38	74	25	49	66					
	SP	SAND, light brown, damp, no plasticity, with a stone	5	ST	24					5									
		with a few CLAY lumps		SS	14		0.45			11						12			
	SP	SAND, light brown, wet, no plasticity, with a little black hydrocarbon staining and odor		SS	16		0.26												
	SP-SC	Clayey SAND, light brown to olive gray, wet, no plasticity	10	ST	15		0			29						27			
	SP	SAND, light brown, wet, no plasticity		SS	17		0.3												
	CH	CLAY, black, moist, medium to high plasticity, hydrocarbon odor	15	SS	20		0	2.8		32									
	SP	SAND, light brown, wet, no plasticity, black stained and staining increasing with depth; by 18' all black		SS	24		1.0			22						20			
	CH	CLAY, black, moist, plastic	20	SS	24		0	2.0		46	62	24	38	66					
	SP	SAND, light brown and black, moist, no plasticity		ST	23		0.1	1.3											
	CH	CLAY, black, grading to olive gray with depth, moist, plastic with light gray SILT/SAND layers	25	ST	21		0/0.3	0.5/--		53									
	CL	Sandy CLAY, light brown to olive gray, very moist, low plasticity, with a few shells and wet sand pockets		ST	22		0.1	0.9		28									
			30	ST	21		0.1	1.2											

Bottom of borehole at 30.0 feet.