



Quaternary Resource Investigations, LLC
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BORING NUMBER 13-B160

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CLIENT USACE-Galveston District **PROJECT NAME** Sabine Neches Placement Area 8
PROJECT NUMBER W912HY-13-D-0001-DY05 **PROJECT LOCATION** Port Arthur, TX
DATE STARTED 12/5/2013 10:10:00 AM **COMPLETED** 12/5/2013 3:30:00 PM **GROUND ELEVATION** 9.3123 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13890814.58 ft **EASTING** 3576616.271 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Mobile B57 on Gemco Articulated Platform
LOGGED BY Pete Herold **TOTAL DEPTH** 70 ft **GROUND WATER LEVEL** ▽ **AT TIME OF DRILLING** 19.20 ft / Elev -9.89 ft
WEATHER cloudy, foggy, 70s, light breeze to windy **▽ 15 MINUTES AFTER DRILLING** 9.90 ft / Elev -0.59 ft

COPY OF PEGGY LAKE GEOTECH BH - PEGGY LAKE TEMPLATE.GDT - 7/15/14 13:10 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\SABINE NECHES PA 8 FINAL EDITED.GPJ

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 (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	ATTERBERG LIMITS	MINUS #200 SIEVE CONTENT (%)	COMPRESSION STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
	CH	Fat CLAY, light brown and greenish gray, very stiff	0	ST	9		3.6			47								
		light brown, stiff		ST	17		2.4		88	34	67	22	45	90	1.88	5		
		light brown and greenish gray, very stiff	5	ST	8		3.8			23								
		light brown, stiff, with shell fragments 6'-8'		ST	20		1.5		88	35				94				
		firm		ST	8		1.25			36								
		▽ light brown and greenish gray mottled, soft, with sand seams 10'-12' and cracks 10'-12'	10	ST	19		0.7	2.8	71	53	97	27	70	97				
		more sand, very soft		○ NR														
		less sand, dark gray	15	ST	9		0	1.2		41								
				ST	18		0	1.3		42								
		greenish gray and light brown mottled, firm		○ NR														
	CL	▽ greenish gray and light brown mottled, firm	20	ST	15		1.6		92	31				97	0.76	2	12	
		stiff		○ NR														
			25	ST	20		1.5			21								
				○ NR														
		Lean CLAY with SILT, greenish gray and light brown mottled, firm, with cracks 33'-35'	30	ST	19		1.1		102	25	30	18	12	78	0.82	13		
	CL			○ NR														
		light brown, stiff, with sand seams 33'-35'	35	ST	19		2.0			30								

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	CL	Lean CLAY with SILT, greenish gray and light brown mottled, firm, with cracks 33'-35' (continued)	35	○ NR													
			40	■ ST	20		1.7		89	34							
			45	○ NR													
			45	■ ST	18		1.5		88	35					1.06	11	
	CH	Fat CLAY, greenish gray and light brown mottled, firm	50	■ ST	19		1.4			44							
			55	○ NR													
		greenish gray	55	■ ST	19		1.1										
			60	○ NR													
		less sand, stiff	60	■ ST	19		1.5		55					100			
			65	○ NR													
		more sand, firm, with sand seams 68'-70' and cracks 68'-70'	65	■ ST	19		1.5										
			70	○ NR													

Bottom of borehole at 70.0 feet.