



Quaternary Resource Investigations, LLC
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BORING NUMBER 13-B146

PAGE 1 OF 2

CLIENT USACE-Galveston District
PROJECT NUMBER W912HY-13-D-0001-DY05
DATE STARTED 2/15/2014 8:45:00 AM **COMPLETED** 2/15/2014 2:30:00 PM
DRILLING CONTRACTOR QRI
DRILLING METHOD Hollow Stem Auger
LOGGED BY Pete Herold **TOTAL DEPTH** 70 ft
WEATHER clear, windy, 40s to 60s

PROJECT NAME Sabine Neches Placement Area 8
PROJECT LOCATION Port Arthur, TX
GROUND ELEVATION 18.2213 ft **HOLE SIZE** 8.25 inches
NORTHING 13883934.47 ft **EASTING** 3569337.062 ft
DRILLING RIG MAKE/MODEL Mobile B57 on Gemco Articulated Platform
GROUND WATER LEVEL AT TIME OF DRILLING 19.60 ft / Elev -1.38 ft
15 MINUTES AFTER DRILLING 17.20 ft / Elev 1.02 ft

COPY OF PEGGY LAKE GEOTECH BH - PEGGY LAKE TEMPLATE.GDT - 7/15/14 13:09 - 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	MINUS #200 SIEVE CONTENT (%)	COMPRESSION STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
	CL	Lean CLAY with SAND, light brown, very stiff, with sand seams 0'-15'	0	ST	13		3.8		99	20				66			
				ST	7		3.7			22	30	18	12				
			5	ST	6		2.0			14							
				ST	9		2.25		95	19	91	33	58	59	1.36	6	
	CH	Fat CLAY, light brown and greenish gray mottled, stiff		ST	15		1.8		86	35				97	0.75	4	8
			10	ST	15		1.8		86	35				97	0.75	4	8
		more sand, stiff		NR													
				ST	18		1.75		84	36							
		dark gray, firm	15	ST	19		1.0			38							
				NR													
		less sand, soft		NR													
			20	ST	17		1.1		78	41				94	0.37	4	15
	ML	SILT, fine grained, dark gray, firm, with a clay seam		NR													
			25	ST	12		0.8			33	24	21	3	82			
	CH	Fat CLAY, dark gray, soft, with sand seams 25'-28'		SS	24	2-1-2 (3)	1.0			78							
				NR													
			30	ST	15		1.2		54	79	116	31	85	98			
				NR													
		greenish gray, with sand seams 33'-43', stiff	35	ST	17		1.6			24							

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	CH	Fat CLAY, dark gray, soft, with sand seams 25'-28' (continued)	35	○ NR													
		greenish gray and light brown mottled, firm	40	■ ST	14		2.5		103	23				88	0.93	3	
		stiff	45	■ ST	18		2.0		92	33							
		very stiff	50	■ ST	19		3.2			43							
		dark gray, stiff	55	■ ST	18		2.5		74	49				100	1.85	4	
		with sand seams 58'-63'	60	■ ST	17		2.4			56							
		olive gray, with a trace of shell fragments 63'-70'	65	■ ST	19		2.3			29							
		very stiff	70	■ ST	19		3.6			23							
		Bottom of borehole at 70.0 feet.															