



Quaternary Resource Investigations, LLC
13588 Florida Boulevard
Baton Rouge, LA 70820
Telephone: 225-292-1400
Fax: 225-292-1404

BORING NUMBER 13-B182

PAGE 1 OF 1

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 11/6/2013 7:30:00 AM **COMPLETED** 11/6/2013 10:15:00 AM **GROUND ELEVATION** 9.0575 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13886453.51 ft **EASTING** 3570257.559 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Geoprobe 6620
LOGGED BY Pete Herold **TOTAL DEPTH** 16 ft **GROUND WATER LEVEL** **AT TIME OF DRILLING** 1.50 ft / Elev 7.56 ft
WEATHER cloudy, 70s, humid **15 MINUTES AFTER DRILLING** 1.50 ft / Elev 7.56 ft

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 (%)	COMPRESSION STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
	CH	Fat CLAY, light brown, very soft, with root fragments 0'-6'	0	ST	12		0	3.0		70					
				ST	21		0.25	2.25	69	57	76	25	51	97	0.22 14
			5	ST	18		0.2	3.5							
		light brown with greenish gray mottling, with sand seams 6'-10' and cracks 6'-12'		ST	21		0	1		54			87		
		greenish gray		ST	22		0	1							
		greenish gray and olive gray, with organic odor 10'-12'	10	ST	21		0	2.5	78	33	56	21	35		
		olive gray, with trace shell fragments 12'-14'		SS	21		0	0.5							
		firm	15	ST	16		0.75	2.75		28					

Bottom of borehole at 16.0 feet.