



DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 2 COORDINATES: 29° 43' 43" N 95° 03' 11" W SURFACE EL.: 5.5'	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH				
				STRATUM DESCRIPTION		UNIT DRY WT, POF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
												□ Penetrometer Unconfined ▼ ◇ Torvane Triaxial ● ○ Remolded Miniature Vane ▲ M.Vane				
												0.5	1.0	1.5	2.0	2.5
			7	SANDY CLAY, firm to stiff, brown, with calcareous nodules and fine gravel				10	37	10	27					
			15													
5			16													
				- with shell fragments at 7'		115		12	34	11	23					
				CLAY, soft, gray	8.0											
10						111		18								
			7	SAND, loose, fine-grained, brown, with fine gravel and silt	10.5											
			8													
							10									
15			6	CLAY, firm, dark gray	14.5											
			9	SAND, loose, fine-grained, gray, with fine gravel	18.5											
20							12									
			9													
25				- with clay pockets at 25'												
			8													
30							8									
			11	- medium-dense below 33'												
35																
			15	SILTY SAND, medium-dense, gray, with clay seams	38.0											
							23									

NOTES:

1. ▽: Water First Noticed. ▼: Depth To Water after 12 hours.
2. Terms and symbols defined on Plates A-32a and A-32b.
3. Coordinates obtained from handheld GPS.

DATE: March 17, 2011

TOTAL DEPTH: 75'

CAVED DEPTH: Not Applicable

DRY AUGER: Surface to 10'

WET ROTARY: Below 10'

BACKFILL: Cement-Bentonite Grout

LOGGER: C. Alvarado

R:041202011 PROJECTS\0001-0099\0412-11-0003\DRAWING\0412-11-0003.GPJ FUGRO_SO (LAB DATA)_INDUSTRIAL (WIR_MV) 6/2/2011

LOG OF BORING NO. B-25

DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS
BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY
HARRIS COUNTY, TEXAS

PLATE A-16a



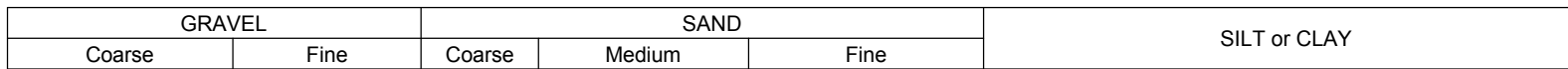


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				STRATUM DESCRIPTION		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
				SILTY SAND, medium-dense, gray, with clay seams												
45			26	CLAY, very stiff, gray, with calcareous nodules	43.5											
50				- reddish brown below 48'				26								
55																
60			34					28	65	15	50					
65																
70			43	- with shell fragments below 68'				18								
75			37		75.0											
NOTES: 1. ▽: Water First Noticed. ▼: Depth To Water after 12 hours. 2. Terms and symbols defined on Plates A-32a and A-32b. 3. Coordinates obtained from handheld GPS.						DATE: March 17, 2011 TOTAL DEPTH: 75' CAVED DEPTH: Not Applicable DRY AUGER: Surface to 10' WET ROTARY: Below 10' BACKFILL: Cement-Bentonite Grout LOGGER: C. Alvarado										

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GRAIN SIZE CURVES

PLATE B-7

