

R:\04120\2011 PROJECTS\0001-0099\0412-11-0003\DRAWING\0412-11-0003.GPJ	FUGRO_SO (LAB DATA)	INDUSTRIAL (W/R_MV)	6/2/2011
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1. Water depth was 10' at time of drilling.
2. Terms and symbols defined on Plates A-32a and A-32b.
3. Coordinates were obtained by our field technician with a hand held GPS device.
4. WOH - Weight of Hammer

DATE: April 30, 2011
TOTAL DEPTH: 140'
CAVED DEPTH: Not Applicable
DRY AUGER: Not Applicable
WET ROTARY: Mudline to 140'
BACKFILL: Cuttings and Drilling Mud
LOGGER: T. Mireles

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

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

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



DEPTH, FT	WATER LEVEL	SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 2	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					COORDINATES: 29° 43' 58" N 95° 03' 16" W		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					SURFACE EL.: -10.0' (Assumed)								□ Penetrometer ◇ Torvane ○ Remolded M.Vane	Unconfined ▼ Triaxial ● Miniature Vane ▲	0.5	1.0	1.5	2.0	2.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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LOG OF BORING NO. B-11
DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS
BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY
HARRIS COUNTY, TEXAS





DEPTH, FT	WATER LEVEL SYMBOL SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 2 COORDINATES: 29° 43' 58" N 95° 03' 16" W SURFACE EL.: -10.0' (Assumed)	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH				
			STRATUM DESCRIPTION		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
			CLAY, stiff, gray								0.5	1.0	1.5	2.0	2.5
-125															
-130			- very stiff below 128'			24									□ ⁺
-135															
-140			- reddish brown, with shell fragments below 138'	140.0											□
-145															
-150															
-155															
NOTES:					DATE: April 30, 2011 TOTAL DEPTH: 140' CAVED DEPTH: Not Applicable DRY AUGER: Not Applicable WET ROTARY: Mudline to 140' BACKFILL: Cuttings and Drilling Mud LOGGER: T. Mireles										
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