

	يرا		Τ,	~	LOCATION: See Plate 2			CLASSIFICATION SHEAR STREM									IGTH	
DEPTH, FT	WATER LEVEL	SYMBOL		BLOWS PER FOOT	COORDINATES: 29° 43' 58" N 95° 03' 16" W SURFACE EL.: -10.0' (Assumed)	STRATUM DEPTH, FT		PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX (PI)	☐ Penetrometer Unconfine				ial	
	>	/ \			STRATUM DESCRIPTION		٦						0.5		0 1		0 2.	5
 - 5 - 		<u> </u>	7	4	SAND, very loose, fine-grained, with shell fragments and silt seams		- - - -	12										
- 10 —	- - - - - - -		v	2 VOH	SANDY CLAY, very soft, gray, with sand pockets, and shell fragments	11.5	- - - - - -	31				- - - - -						
							Ė					-						
 - 20 -					SAND, fine-grained, gray, with clay seams	17.5	- - -					-						
					SANDY CLAY, soft, gray, with sand pockets - firm, with shell fragments below 28'	21.0	- - - - - - - - - -	44	28	35	10	- - - - - - - - - - - -	•	♦				
2 3	. V !. T s. C	Vater erms Coordii	and nate	d syml es wer	s 10' at time of drilling. ools defined on Plates A-32a and A-32b. e obtained by our field technician with a hand held of f Hammer	GPS de	vice.		1	TOTA CAVE DRY A WET BACK	L DE D DE AUGE ROT/ (FILL:	ER: N ARY:	140' Not A ot App Mudlir ings a	olicat ne to	ole 140'			

NOTES:

- 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

LOG OF BORING NO. B-11 DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY





	Ī.,	_ اب	SAMPLES	~	LOCATION: See Plate 2			CLASSIFICATION SHEAR S							TRENGTH					
DEPTH, FT	MATED EVE	SYMBOL		SAMPLES	SAMPLES	BLOWS PER FOOT	COORDINATES: 29° 43' 58" N 95° 03' 16" W SURFACE EL.: -10.0' (Assumed) STRATUM DESCRIPTION	STRATUM DEPTH, FT	UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX (PI)	♦ Tor	molded Vane	d	Triaxial ● Miniature Vane ▲ PER SQ FT		
	+		\rightarrow		SANDY CLAY, firm, gray, with sand pockets				-				0.	5 1	.0 1	.5 2	.0 2.	.5		
-					and shell fragments SAND, gray, fine-grained, with shell fragments	43.0	-					-								
- 45 — - - - - - 50 —				18	CLAY, very stiff, red, brown, and gray, slickensided	44.5	- - - - - -		22			- - - -								
55 — - - - - -					- stiff to very stiff below 53' - brown and gray, 53' to 63' - with organic matter, 53' to 55'		- - - 94 - - -		30			- - - - -			•					
65 —					- with silt pockets and siltstone nodules below 63'		- - - -					- - - -								
- - 70 -		- brown and gray, with silt seams below 68'	- - _ 96 -		28			- - -			•									
- - - 75 -					SILTY CLAY, very stiff, brown and gray, with shell fragments and silt pockets	71.5	- - - -					- - -								
- -							- - -					-						_+		
2 3	2. 3.	Wat Terr Coo	ns a rdin	ind sym ates we	as 10' at time of drilling. abols defined on Plates A-32a and A-32b. are obtained by our field technician with a hand held of Hammer	GPS de	vice.			TOTA CAVE DRY A WET BACK	L DE D DE AUGE ROTA (FILL	ril 30, :PTH: :EPTH: :ER: N ARY: : Cutti T. Mii	140' Not Apport Apport Mudlings a	plica ne to	ble 5 140'		ť			

- 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

LOG OF BORING NO. B-11 DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY





		~	LOCATION: See Plate 2			CLA	ASSIF	ICAT	ION		s	HEAR	STRE	NGTH	1
DEPTH, FT	WATER LEVEI SYMBOL SAMPLES	BLOWS PER FOOT	COORDINATES: 29° 43' 58" N 95° 03' 16" W SURFACE EL.: -10.0' (Assumed) STRATUM DESCRIPTION	STRATUM DEPTH, FT	UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX (PI)	□ Penetrometer Unconfined ▼				
			SILTY CLAY, very stiff, brown and gray, with		-						0.5	1.0	1.5 2	2.0 2	5
 - 85 -			shell fragments and silt pockets	96.0	- - - -					- - -					_+
-			SANDY SILT, light gray	86.0	-					-					
 - 90 - 		46	SILTY CLAY, very stiff, light gray, with sandy silt seams and shell fragments	88.5	- - -		23			- - -					
 - 95 - 			- stiff, 93' to 108'		- - - -					- - - -					
 100- 105- 					- _ 86 - - - - -		36	42	15	- 27 _ - - - - -			•		
 110 			- firm below 108'		- - - -		36			- - - -					
 115 			CLAY, stiff, gray	114.0	- - - - - - 92		31			- - - -					
3	. Water of . Terms of . Coordin	and sym nates we	s 10' at time of drilling. bols defined on Plates A-32a and A-32b. re obtained by our field technician with a hand held 0 of Hammer	SPS dev			-	TOTA CAVE DRY A WET BACK	L DE D DE AUGE ROT/ (FILL:	ER: N ARY:	140' Not A ot App Mudlir ings ai	applicat dicable ne to 14 nd Drilli	0'	d	

NOTES:

- 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

LOG OF BORING NO. B-11 DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY





	Ι	i		~		LOCATION: See Plate 2			CLA	ASSIF	ICAT	ION			SHE	AR S	TRE	NGTH	1
DEPTH, FT	WATER I EVE	SYMBOI	SAMPLES	BLOWS PER	FOOT	COORDINATES: 29° 43' 58" N 95° 03' 16" W SURFACE EL.: -10.0' (Assumed)	STRATUM DEPTH, FT	UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX (PI)	☐ Penetrometer Unconfine					xial 🌑
	>			"		STRATUM DESCRIPTION		5	2 A	0			"	0			.5 2		2.5
 -125-						CLAY, stiff, gray		- - - - -					- - - -						
 - 130 	_					- very stiff below 128'		- - - - -		24			- - - -						_+
135 140	-					- reddish brown, with shell fragments below 138'	140.0	- - - - 					- - - -	- -					 -
145 								- - - -					- - -						
150								- - - - - -					- - - - -						
	٠ ١	Na				s 10' at time of drilling.	1	<u> </u>					ril 30, EPTH:		I	I	1		

- 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

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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