

LOG OF BORING and TEST RESULTS

BORING 87-141
U.S. MARITIME ADMINISTRATION
RESERVE FLEET HARBOR
BEAUMONT, TEXAS

DEPTH, FT.	SYMBOL	CORES		BLOWS PER FT.	UNDRAINED SHEAR STRENGTH TONS PER SQ. FT.	UNIT DRY WT PCF	WATER CONTENT% LL	PI (-200)
			SURFACE EL -15.8		0.5 1.0 1.5		PL +---●---+ 40 80 120 160	
			VERY SOFT GRAY AND BLACK CLAY (CH) WITH ORGANIC MATERIAL (5')				+ - - +	92
10			LOOSE TO DENSE GRAY FINE SAND (SP) -WITH WOOD FRAGMENTS AT 9.5-10.5' AND 17'	6				(3)
20				16				(2)
30				29				(2)
30				43				(2)
40			VERY STIFF LIGHT GRAY CLAY (CL) WITH NUMEROUS SAND POCKETS WITH ORGANIC MATERIAL AT 37-41' (33')			110		25
40			LIGHT GRAY SANDY CLAY (41')			98		(48)
50			BROWN AND GRAY CLAYEY TO SILTY FINE SAND (SC, SM) (42.5')			90		51
60			VERY STIFF GRAY CLAY (CH) WITH FERROUS STAINS TO 52' (48')			95		54
60			-WITH LIGHT GRAY STREAKS AT 50-54'			89		52
60			-WITH DARK GRAY STREAKS AT 52-56'			87		50
60			-WITH OCCASIONAL SILTY SAND PARTINGS AT 54-56' AND A BROWN STREAK AT 56'			96		37
60			-WITH OCCASIONAL SILT POCKETS AT 66-72'					(14)
60			-WITH FERROUS STAINS AND SEAMS 66-74' AND OCCASIONAL SILT POCKETS AT 72-74'					
80			VERY DENSE FINE TO SILTY FINE SAND (SP-SM), SLIGHTLY CEMENTED (78')	50/5"				
80			(84')	50/3"				
90								

Date Started: 08/13/87 Date Completed: 08/13/87
Weather: HOT, CLEAR
Water Depth: 17' AT 1700 HRS ON 08/13/87
Completion Depth: 84' BELOW MUCLINE
Driller: WILLIAMS Technician: HALLIGAN
Drill Rig: FAIRING 750 TRUCK-MOUNTED
Sampling: 3" THIN-WALLED TUBE AND 2" SPLIT-BARREL SAMPLER
Casing Required: 60' FROM BARGE DECK

LEGEND AND NOTES

- ⊗ POCKET PENETROMETER ▲ TORVANE
- UNCONFINED COMPRESSION
- ◆ MINIATURE VANE (◊ RESIDUAL VALUE)
- UNCONSOLIDATED-UNDRAINED TRIAXIAL
- Open Symbols Designate Remolded Tests
- LL - LIQUID LIMIT PL - PLASTIC LIMIT
- PI - PLASTICITY INDEX
- 200 = % PASSING #200 SIEVE

L-01114187

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BORING NUMBER	SAMPLE NUMBER	SAMPLE INTERVAL (FEET)	VISUAL CLASSIFICATION	MC (%)	UDW (PCF)	LL PL PI	GRADATION, PERCENT PASSING SIEVE NO. 4 10 40 100 200	SU (KSF)
87-141	1J	0-2	VERY SOFT BLACK AND DARK GRAY ORGANIC CLAY					
87-141	2J	2-4	VERY SOFT BLACK AND DARK GRAY ORGANIC CLAY (CH) WITH ORGANIC MATERIAL	207		125 33 92		
87-141	3J	4-5.5	VERY SOFT BLACK AND DARK GRAY ORGANIC CLAY WITH ORGANIC MATERIAL					
87-141	5J	9.5-11	GRAY MEDIUM TO FINE SAND (SP) WITH ORGANIC MATERIAL				100 98 60 8 3	
87-141	6J	14.5-16	LIGHT GRAY FINE SAND WITH ORGANIC MATERIAL					
87-141	7J	19.5-21	LIGHT BROWNISH GRAY FINE SAND (SP)				100 100 97 5 2	
87-141	8J	24.5-26	LIGHT BROWNISH GRAY FINE SAND WITH ORGANIC MATERIAL					
87-141	9J	29.5-31	LIGHT BROWNISH GRAY MEDIUM TO FINE SAND (SP)				100 100 69 3 2	
87-141	10Q	33-35	STIFF LIGHT GREENISH GRAY AND LIGHT BROWNISH GRAY SANDY CLAY (CL) WITH SAND POCKETS	19	110	38 13 25		1.49
87-141	13Q	35-37	VERY STIFF LIGHT GREENISH GRAY AND GRAY SANDY CLAY WITH SAND POCKETS	17				
87-141	15Q	37-39	VERY STIFF LIGHT BROWNISH GRAY AND YELLOWISH BROWN SANDY CLAY WITH SAND POCKETS	17				
87-141	17Q	39-41	VERY STIFF LIGHT BROWNISH GRAY SANDY CLAY WITH SAND POCKETS	21				
87-141	19Q	41-43	FIRM LIGHT BROWNISH GRAY SILTY CLAY WITH NUMEROUS SILT & SANDY SILT POCKETS & PARTINGS, & OCCASIONAL CALCAREOUS NODULES	25	98			0.78
87-141	20J	43-45	LIGHT BROWNISH GRAY SILTY FINE SAND (SM) WITH CLAY POCKETS				100 100 100 95 48	
87-141	21Q	48-50	VERY STIFF LIGHT GREENISH GRAY CLAY (CH) WITH SANDY SILT POCKETS AND REDDISH BROWN STREAKS	31	90	74 23 51		2.32
87-141	24Q	48-50	VERY STIFF GRAY CLAY WITH SILTY SAND AND SANDY SILT POCKETS AND REDDISH BROWN STAINS	32				
87-141	26Q	52-54	VERY STIFF GRAY CLAY WITH SILTY SAND AND SANDY SILT POCKETS AND REDDISH BROWN STAINS	30				

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									4	10	40	100	200	
87-141	28Q	54-56	VERY STIFF OLIVE GRAY CLAY (CH) WITH OCCASIONAL SAND POCKETS AND LIGHT GRAY AND DARK GREEN STREAKS	30	95	74	20	54						2.66
87-141	30Q	56-58	HARD BROWNISH GRAY AND BROWN CLAY, SLICKENSIDED	34										
87-141	32Q	58-60	HARD BROWNISH GRAY AND BROWN CLAY, SLICKENSIDED	31										
87-141	34Q	60-62	VERY STIFF OLIVE GRAY CLAY (CH) WITH OLIVE GREEN STREAKS	33	89	77	25	52						2.31
87-141	36Q	62-64	VERY STIFF OLIVE GRAY AND BROWNISH GRAY CLAY, SLICKENSIDED	31										
87-141	38Q	64-66	HARD OLIVE GRAY AND BROWNISH GRAY CLAY WITH REDDISH BROWN STREAKS, SLICKENSIDED	36										
87-141	40Q	66-68	HARD OLIVE GRAY AND BROWNISH GRAY CLAY WITH SILT POCKETS AND REDDISH BROWN STREAKS	28										
87-141	41Q	68-70	VERY STIFF LIGHT GRAY CLAY (CH) WITH OCCASIONAL SILT POCKETS AND A VERTICAL SILT PARTING	34	87	74	24	51						1.33
87-141	44Q	70-72	HARD DARK GREENISH GRAY CLAY WITH SANDY SILT POCKETS AND REDDISH BROWN STAINS, SLICKENSIDED	29										
87-141	46Q	72-74	HARD DARK GREENISH GRAY AND REDDISH BROWN CLAY, SLICKENSIDED	45										
87-141	48Q	74-76	HARD GRAY CLAY WITH DARK GREEN STREAKS, SLICKENSIDED	44										
87-141	50Q	76-78	STIFF GRAY CLAY (CH) WITH SILTY SAND POCKETS AND PARTINGS AND SILTY CLAY SEAMS	27	96	61	24	37						
87-141	51J	78.5-80	BROWNISH GRAY FINE SAND (SP-SM), SLIGHTLY SILTY						100	100	97	17	8	
87-141	52J	83.5-85	BROWNISH GRAY SILTY FINE SAND (SM)						100	100	99	34	14	