

LOG OF BORING and TEST RESULTS

BORING 87-140
U.S. MARITIME ADMINISTRATION
RESERVE FLEET HARBOR
BEAUMONT, TEXAS

DEPTH, FT	SYMBOL	COSES	SURFACE EL -16.3	BLOWS PER FT	UNDRAINED SHEAR STRENGTH TONS PER SQ. FT.			UNIT DRY WT PCF	WATER CONTENT% LL				PI (-200)
					0.5	1.0	1.5		40	80	120	160	
			VERY SOFT TO FIRM BLACK AND GRAY CLAY (CH) WITH ORGANIC MATERIAL (6')										105
10			VERY LOOSE TO MEDIUM DENSE GRAY FINE SAND (SP-SM) WITH WOOD FRAGMENTS FROM 6-8'	WOP 7				57					62
20			-WITH CLAY POCKETS AND ORGANIC MATERIAL AT 20.5' (25')	21									(10)
30			STIFF GRAY CLAY (CH) WITH OCCASIONAL SILT POCKETS (29')	18				77					(7)
40			GRAY FINE SAND (SP) WITH WOOD FRAGMENTS AND ORGANIC MATERIAL (31.5')	6									(13)
50			STIFF TO VERY STIFF GRAY CLAY (CH) WITH OCCASIONAL SILTY SAND POCKET AND PARTING										46
60			-GRAY FINE SAND LAYER AT 48 TO 49'										
			-BECOMES VERY STIFF WITH SANDY SILT POCKETS AND SEAMS AT 49'										
			-WITH SHELL FRAGMENTS AT 51-53'										
			-WITH LIGHT GRAY STREAKS AT 55-59'										
			-WITH WOOD FRAGMENTS AT 57-62.5'										
70			-WITH WOODY LAYER 62.5-64.5 (65')										
			VERY STIFF BROWN CLAY (CH) WITH SILT POCKETS AND WOOD FRAGMENTS (73')										
80			STIFF LIGHT GRAY SANDY CLAY (CL) (75')	8									
			LOOSE GRAY SANDY SILT (ML) (78.5')	25									
90			MEDIUM DENSE TO DENSE GRAY FINE SAND (SP) WITH CLAY POCKETS (82')	31									

Date Started: 08/10/87 Date Completed: 08/11/87
Weather: HOT, PARTLY CLOUDY
Water Depth: 18' AT 1520 HRS ON 08/10/87
Completion Depth: 82' BELOW MUDLINE
Driller: WILLIAMS Technician: HALLIGAN
Drill Rig: FAILING 750 TRUCK-MOUNTED
Sampling: 3" THIN-WALLED TUBE AND 2" SPLIT-BARREL SAMPLER
Casing Required: 55' 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

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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)
87-140	1J	0-2	VERY SOFT BLACK AND DARK GRAY ORGANIC CLAY (CH)	249		160	55	105		
87-140	2Q	2-4	VERY SOFT DARK GRAY AND GRAY CLAY (CH) WITH ORGANIC MATERIAL	85		86	24	62		
87-140	4Q	4-6	VERY SOFT GRAY AND DARK GRAY CLAY WITH ORGANIC MATERIAL	66	57					0.10
87-140	6J	6-8	GRAY SLIGHTLY SILTY FINE SAND (SP-SM) WITH ORGANIC MATERIAL						100 100 99 69 10	
87-140	7J	10.5-12	BROWNISH GRAY SILTY FINE SAND							
87-140	8J	15.5-17	BROWNISH GRAY FINE SAND (SP-SM), SLIGHTLY SILTY WITH ORGANIC MATERIAL						100 100 100 37 7	
87-140	9J	20.5-22	BROWNISH GRAY SILTY FINE SAND (SM) WITH ORGANIC MATERIAL						100 100 96 26 13	
87-140	10Q	25-27	FIRM GRAY CLAY (CH) WITH OCCASIONAL SAND POCKETS	48	77	71	25	46		0.84
87-140	12Q	27-29	FIRM OLIVE GRAY CLAY WITH SAND POCKETS AND ORGANIC MATERIAL	42						
87-140	15J	31.5-33	STIFF GRAY CLAY WITH OCCASIONAL SAND POCKETS AND ORGANIC MATERIAL						100 100 99 97 83	
87-140	17Q	33-35	STIFF GRAY CLAY (CH) SLIGHTLY SANDY WITH ORGANIC MATERIAL	32	90	55	21	34		1.49
87-140	19Q	35-37	STIFF OLIVE GRAY CLAY WITH SAND POCKETS AND ORGANIC MATERIAL	34						
87-140	21Q	37-39	STIFF OLIVE GRAY SANDY CLAY WITH SAND POCKETS	26						
87-140	22Q	39-41	STIFF GRAY CLAY (CH) WITH NUMEROUS SILT POCKETS	38	84	51	19	32		0.62
87-140	24Q	41-43	STIFF OLIVE GRAY SANDY CLAY WITH SAND POCKETS	25						
87-140	27Q	43-45	STIFF OLIVE GRAY CLAY WITH SILTY SAND POCKETS	41						
87-140	28Q	45-47	STIFF GRAY CLAY (CH) WITH SILT POCKETS	42	85	64	20	43		1.07
87-140	30Q	47-49	FIRM GRAY CLAY WITH SILTY SAND POCKETS	37						
87-140	33Q	49-51	FIRM GRAY CLAY WITH SILT AND SILTY SAND POCKETS	34						
87-140	35Q	51-53	STIFF GRAY CLAY (CH) WITH OCCASIONAL SILT POCKETS AND SHELL FRAGMENTS	42	78	69	24	45		1.01
87-140	37Q	53-55	STIFF OLIVE GRAY CLAY WITH OCCASIONAL ORGANIC MATERIAL	58						

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									4	10	40	100	200	
87-140	39Q	55-57	STIFF DARK BROWNISH GRAY CLAY	58										1.04
87-140	41Q	57-59	STIFF GRAY CLAY WITH SILT STONES	62	62									
87-140	43Q	59-61	VERY STIFF DARK BROWNISH GRAY CLAY WITH CLAY STONES	37										
87-140	44Q	61-63	VERY STIFF DARK BROWNISH GRAY CLAY	66										1.35
87-140	46J	63-65	BLACK ORGANIC SILT (MH)	133		181	89	93						
87-140	48Q	65-67	STIFF BROWNISH GRAY CLAY WITH ABUNDANT ORGANIC MATERIAL	54	65									
87-140	50Q	67-69	STIFF DARK BROWNISH GRAY AND DARK GRAY CLAY WITH ORGANIC MATERIAL	91										0.68
87-140	52Q	69-71	STIFF BROWNISH GRAY CLAY WITH ABUNDANT ORGANIC MATERIAL	53	69									
87-140	54Q	71-73	VERY STIFF LIGHT GREENISH GRAY CLAY WITH SILTY SAND POCKETS AND ORGANIC MATERIAL	27										
87-140	55Q	73-75	FIRM LIGHT GRAY SILTY CLAY, SLIGHTLY SANDY	24	104									0.68
87-140	57J	75.5-77	LIGHT GREENISH GRAY SANDY SILT (ML), SLIGHTLY CLAYEY						100	100	100	99	62	
87-140	58J	77.5-79	GRAY SILTY FINE SAND WITH OCCASIONAL ORGANIC MATERIAL											
87-140	59J	80.5-82	STIFF BROWNISH GRAY CLAY WITH OCCASIONAL SILTY SAND POCKETS						100	100	100	99	99	