

LOG OF BORING and TEST RESULTS

BORING 87-135
U.S. MARITIME ADMINISTRATION
RESERVE FLEET HARBOR
BEAUMONT, TEXAS

DEPTH, FT	SYMBOL	CORES	SURFACE EL. -19.3	BLOWS PER FT	UNDRAINED SHEAR STRENGTH TONS PER SQ. FT.			UNIT DRY WT PCF	WATER PL. CONTENT% LL				PI (-200)		
					0.5	1.0	1.5		+	---	•	---		+	
									40	80	120	160			
			VERY SOFT BLACK AND DARK GRAY CLAY (CH) WITH ORGANIC MATERIAL (6')							+	---	•	---	+	88
10			VERY LOOSE TO DENSE GRAY MEDIUM TO FINE SAND (SP) WITH CLAY AND ORGANIC POCKETS	5											(19) (4)
20				REF/1"											(3)
30			FIRM TO STIFF GRAY CLAY (CH) WITH ORGANIC MATERIAL AND SAND POCKETS -SOFT WITH SHELL FRAGMENTS AT 32'	31					65	+	•	+			72
40									81						
50			VERY DENSE GRAY MEDIUM TO FINE SAND (SP) WITH CLAY POCKETS TO 54'	49'					83						
60				REF/3"					81						
70			STIFF LIGHT GRAY SANDY TO SILTY CLAY (CL) WITH SAND POCKETS (69')	16					76						
80			DENSE TO VERY DENSE GRAY MEDIUM TO FINE SAND (SP) WITH CLAY POCKETS TO 74'	50					71	+	•	+			46 (66)
90				REF/3"											(4)
															(4)
									111						17
															(15)
				REF/3"											(5)

Date Started: 08/08/87 Date Completed: 08/09/87
Weather: HOT, PARTLY CLOUDY : CLOUDY, WINDY, RAIN
Water Depth: 21' AT 1400 HRS ON 08/08/87
Completion Depth: 79' BELOW MUDLINE
Driller: WILLIAMS Technician: HALLIGAN
Drill Rig: FAILING 750 TRUCK-MOUNTED
Sampling: 3" THIN-WALLED TUBE AND 2" SPLIT-BARREL SAMPLER
Casing Required: 50' 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

SUMMARY OF TEST RESULTS
U. S. MARITIME ADMINISTRATION
RESERVE FLEET HARBOR
BEAUMONT, TEXAS

BORING NUMBER	SAMPLE NUMBER	SAMPLE INTERVAL (FEET)	VISUAL CLASSIFICATION	MC (%)	UDW (PCF)	LL	PL	PI	GRADATION, PERCENT PASSING SIEVE NO.					SU (KSF)
									4	10	40	100	200	
87-135	2J	2.0-4.0	VERY SOFT DARK GRAY ORGANIC CLAY (CH)	221		168	40	128						
87-135	4J	6.0-8.0	GRAY FINE SAND (SC) WITH OCCASIONAL SANDY CLAY POCKETS AND OCCASIONAL ORGANIC MATERIAL	22		NP	NP	NP	100	100	96	61	19	
87-135	5J	8.5-10	GRAY MEDIUM TO FINE SAND (SP) WITH ORGANIC MATERIAL						100	99	81	17	4	
87-135	6J	13.5-15	DARK BROWN WOOD - ORGANIC MATERIAL											
87-135	7J	18.5-20	LIGHT GRAY MEDIUM TO FINE SAND (SP)						100	100	62	4	3	
87-135	8Q	28-30.0	FIRM GRAY CLAY (CH) WITH ORGANIC MATERIAL	57	65 ¹⁰⁷	102	30	72						0.53
87-135	11Q	30-32.0	SOFT GRAY CLAY WITH SAND POCKETS, SHELL FRAGMENTS AND ORGANIC MATERIAL	61	100 ¹⁰⁷									
87-135	13Q	32-34.0	STIFF GRAY CLAY WITH ORGANIC MATERIAL	38	81 ¹¹⁴									1.14
87-135	15Q	34-36.0	FIRM GRAY CLAY	44										
87-135	17Q	36-38.0	FIRM GRAY CLAY WITH ORGANIC MATERIAL	38	83 ¹¹⁵									0.94
87-135	18Q	38-40.0	FIRM GRAY CLAY	38										
87-135	20Q	40-42.0	STIFF GRAY CLAY WITH OCCASIONAL ORGANIC MATERIAL	38	81 ¹¹⁶									1.04
87-135	22Q	42-44.0	FIRM GRAY CLAY	46										
87-135	24Q	44-46.0	FIRM GRAY CLAY WITH ORGANIC MATERIAL	44	76 ¹⁰⁹									0.67
87-135	26Q	46-48.0	STIFF GRAY CLAY	44										
87-135	28Q	48-50.0	FIRM DARK BROWNISH GRAY CLAY (CH) WITH SAND POCKETS AND ORGANIC MATERIAL	37	71 ⁹⁹	64	18	46	100	100	99	95	86	0.62
87-135	30J	53.5-55	LIGHT BROWNISH GRAY FINE SAND (SP)						100	100	94	5	4	
87-135	31J	58.5-60	LIGHT BROWNISH GRAY MEDIUM TO FINE SAND (SP) WITH TRACE OF ORGANIC MATERIAL						98	96	66	6	4	
87-135	32J	63.5-65	STIFF LIGHT GRAY SANDY CLAY WITH NUMEROUS SAND POCKETS											
87-135	33Q	65-67.0	STIFF LIGHT GRAY SILTY CLAY (CL) WITH NUMEROUS SILTY SAND POCKETS	19	111 ¹³⁰	30	13	17						1.28
87-135	35Q	67-69.0	STIFF GRAY CLAY	55	107 ¹⁰⁷									
87-135	37J	72.5-74	LIGHT GRAY FINE SAND (SM) WITH OCCASIONAL CLAY POCKETS						100	100	98	26	15	
87-135	38J	77.5-79	LIGHT BROWNISH GRAY MEDIUM TO FINE SAND (SP)						100	100	63	8	5	