

LOG OF BORING and TEST RESULTS

BORING 87-142
U.S. MARITIME ADMINISTRATION
RESERVE FLEET HARBOR
BEAUMONT, TEXAS

DEPTH, FT	SYMBOL	CORES	SURFACE EL -21.0	BLOWS PER FT	UNDRAINED SHEAR STRENGTH TONS PER SQ. FT.	UNIT DRY WT PCF	WATER CONTENT% PL ---●--- LL	PI (-200)
					0.5 1.0 1.5		40 80 120 160	
10		VERY SOFT BLACK CLAY (CH) WITH ORGANICS AT 3-8' AND SILTY SAND POCKETS AT 4-6' -BECOMES LIGHT GRAY AT 8'		16		26		129
20		MEDIUM DENSE TO LOOSE MEDIUM TO FINE SAND (SP)		10		48		95
30		STIFF GRAY CLAY (CH) WITH OCCASIONAL ORGANICS		5		84		83
40		INTERBEDDED LIGHT GRAY SANDY CLAY (CL) AND LIGHT GRAY SILTY FINE SAND (SM) -WITH SANDY CLAY POCKETS AT 37.5'		50/5*		103		20
50		MEDIUM DENSE TO DENSE LIGHT GRAY MEDIUM TO FINE SAND (SP)		29		98		(43)
60		STIFF GRAY CLAY (CH) WITH SAND SEAMS AND POCKETS 50-52' -BROWN AT 52-55' -LIGHT GRAY AND BROWN AT 55-56' AND ORGANIC MATERIAL AT 55' -LIGHT GRAY BELOW 56' AND WITH SANDY CLAY LAYER AT 60.5-61'		29		62		26
70		MEDIUM DENSE TO DENSE LIGHT GRAY FINE SAND (SP) WITH CLAYEY SAND POCKETS TO 64' -WITH SANDY CLAY LAYER AT 62-63.5'		16		71		(5)
80				50/2*				86
90								51

Date Started: 08/05/87 Date Completed: 08/06/87
Weather: HOT, CLEAR
Water Depth: 22' AT 1630 HRS ON 08/05/87
Completion Depth: 78.5' BELOW MUDLINE
Driller: WILLIAMS Technician: HALLIGAN
Drill Rig: FAILING 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

SUMMARY OF TEST RESULTS
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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	
87-142	1J	0-2	VERY SOFT BLACK AND DARK GRAY ORGANIC CLAY (CH)	250		171	42	129						
87-142	3Q	2-4	VERY SOFT DARK GRAY ORGANIC CLAY (CH)	157	26	134	39	96						
87-142	5Q	4-6	VERY SOFT DARK GRAY ORGANIC CLAY	113										
87-142	7Q	6-8	SOFT DARK GRAY ORGANIC CLAY	92	48	113	30	84						
87-142	8Q	8-9	SOFT GRAY CLAY WITH SAND POCKETS AND ORGANIC MATERIAL	71										
87-142	10J	10-11.5	LIGHT GRAY FINE SAND (SP)						100	100	100	10	2	
87-142	11J	12-12.3	LIGHT BROWNISH GRAY FINE SAND											
87-142	12J	17-18.5	LIGHT GRAY FINE SAND WITH OCCASIONAL CLAY POCKETS AND ORGANIC MATERIAL											
87-142	13J	22-23.5	LIGHT GRAY MEDIUM TO FINE SAND (SP)						100	100	25	6	5	
87-142	15Q	27-29	STIFF LIGHT GRAY CLAY WITH OCCASIONAL ORGANIC MATERIAL	39	84									1.63
87-142	17J	30-31.5	LIGHT GRAY FINE SAND WITH OCCASIONAL CLAY POCKETS AND ORGANIC MATERIAL											
87-142	19Q	32-33.5	FIRM LIGHT GRAY SANDY CLAY (CL) WITH SILTY SAND AND CLAY SEAMS	29	103	38	18	20	100	100	100	94	43	0.58
87-142	26J	34-36	LIGHT GRAY SANDY SILT, SLIGHTLY CLAYEY											
87-142	27J	36-37.5	LIGHT BROWNISH GRAY SILTY FINE SAND (SM) WITH OCCASIONAL CLAY POCKETS						100	100	99	50	24	
87-142	28Q	38-40	FIRM LIGHT GRAY SANDY CLAY (CL) WITH CLAY AND SILTY SAND SEAMS AND ORGANIC MATERIAL	26	98	42	16	26						0.73
87-142	29J	38-40	LIGHT GRAY SILTY FINE SAND											
87-142	30J	40-41.5	LIGHT GRAY MEDIUM TO FINE SAND (SP), SLIGHTLY SILTY						100	100	85	12	5	
87-142	31J	45-46.5	LIGHT GRAY MEDIUM TO FINE SAND (SP), SLIGHTLY SILTY						100	100	67	9	5	
87-142	32J	50-51.5	STIFF GRAY CLAY WITH OCCASIONAL ORGANIC MATERIAL AND A SAND SEAM											
87-142	35Q	52-54	STIFF OLIVE GRAY CLAY (CH) WITH ORGANIC MATERIAL, SLICKENSIDED	66	62	117	31	86						1.36
87-142	37Q	54-56	VERY STIFF DARK BROWNISH GRAY CLAY WITH ABUNDANT ORGANIC MATERIAL	99										
87-142	39Q	56-58	VERY STIFF GRAY CLAY WITH OCCASIONAL ORGANIC MATERIAL	35										
87-142	41Q	58-60	VERY STIFF GRAY CLAY (CH) WITH ORGANIC MATERIAL, SLICKENSIDED	46	71	78	27	52						1.4

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							4	10	40	100	200	
87-142	43J	60-61.5	LIGHT GRAY SANDY SILT, SLIGHTLY CLAYEY									
87-142	45J	62-64	LIGHT GRAY SILTY FINE SAND (SM)				100	100	100	61	14	
87-142	46J	67-68.5	LIGHT GRAY SILTY FINE SAND									
87-142	47J	72-73.5	LIGHT GRAY SILTY FINE SAND									
87-142	48J	77-78.5	LIGHT BROWNISH GRAY FINE SAND (SP-SM), SLIGHTLY SILTY				100	100	99	14	6	