HOLE NO. 6ST-3

DEPARTMENT OF THE ARMY
DIVISION Southwestern
INSTALLATION Galveston District

DRILLING LOG

1. PROJECT: Sabine Jetties
SHEET 1 OF 2
2. LOCATION (Coordinates or Station): Sta 65+00 150' west of ℄
3. DRILLING AGENCY: U. S. Army Corps of Engineers
4. HOLE NO. (As shown on drawing title and file No.): 6ST-3
5. NAME OF DRILLER: Eck
6. DIRECTION OF HOLE: ☐ VERTICAL ☐ INCLINED; DEGREES WITH VERTICAL
7. THICKNESS OF OVER-BURDEN
8. DEPTH DRILLED INTO ROCK
9. TOTAL DEPTH OF HOLE: 66.5
10. SIZE AND TYPE OF BIT
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
12. MANUFACTURER'S DESIGNATION OF DRILL
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: DISTURBED; UNDISTURBED
14. TOTAL NO. CORE BOXES
15. ELEV. GROUND WATER
16. DATE HOLE: STARTED 25 May; COMPLETED 25 May 62
17. ELEV. TOP OF HOLE
18. TOTAL CORE RECOVERY FOR BORING (%)
19. SIGNATURE OF INSPECTOR

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0	4.0		Water			
4.0	6.0		Black silty clay v/soft Fell w/weight of 2 rods			Cont 1 Unc Comp 0.00
6.0	8.0		Fell w/weight of 2 rods Same as above			Jar 1
8.0	10.0		Fell w/weight of 2 rods & Kelly. Same as above			Cont 2 0.00
10.0	12.0		Black silty clay v/soft			Cont 3 0.00
12.0	14.0		Black sandy clay v/soft			Cont 4 Q-Triax 0.00
14.0	16.0		Black silty clay v/soft			Cont 5 Consol 0.00
16.0	18.0		Same as above, v/soft			Cont 6 0.00
18.0	20.0		Same as above, v/soft			Cont 7 Unc. Comp. 0.00
20.0	22.0		Black silty clay w/sand pockets v/soft			Jar 2
22.0	24.0		Black silty clay, v/soft			Cont 8 0.00
24.0	26.0		Same as above, v/soft			Cont 9 Q-Triax 0.00
26.0	28.0		Same as above, v/soft			Cont 10 0.00
28.0	30.0		Black sandy clay w/shell fragments v/soft			Cont 11 0.00
30.0	32.0		Black silty clay w/shell fragments v/soft			Cont 12 0.00
32.0	34.0		Black sandy clay w/shell fragments v/soft			Cont 13 Unc Comp 0.00
34.0	36.0					No recovery
36.0	38.0		Black sandy clay w/shell fragments v/soft			Cont 14 0.00
38.0	40.0		Black silty clay w/shell fragments v/soft			Cont 15 0.00
40.0	42.0					No recovery
42.0	44.0		Black silty clay w/shell fragments v/soft			Cont 16 Unc Comp 0.00
44.0	46.0		Black silty clay w/shell fragments v/soft			Jar 3
46.0	48.0		Same as above			Cont 17 0.00
48.0	50.0		Same as above			Cont 18 0.00

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DIVISION

INSTALLATION

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15. ELEV. GROUND WATER

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ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
50.0	52.0		Black silty clay v/soft			Cont 19	0.00
52.0	54.0		Black silty clay, v/soft			Cont 20	0.00
54.0	56.0		Same as above			Cont 21	0.00
56.0	58.0		Same as above			Cont 22	0.00
58.0	60.0		Black silty clay w/3" organic matter, v/soft			Cont 23	0.00
60.0	62.0		Organic matter wood v/soft			Cont 24	0.00
62.0	64.0		Same as above			Jar 4	
64.0	66.5					No recovery	
			Bottom @ 66.5 Tide 2.5' @ 1200 hours				

Sabine Pass Jetty

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{10}	ATTERBERG LIMITS: LL	PL	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA: OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	SHEAR DATA: INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_f %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_{III} T/SQ FT	σ_I T/SQ FT	C T/SQ FT	Ø DEGREES	PERMEABILITY: e	K FT/MIN	CONSOLIDATION DATA: P_o T/SQ FT	P_c T/SQ FT	C_c	t_{80} *	REMARKS
6ST 3	-62-	0.0											Samples sent to Dallas for testing																				
	S	46.0								44.6																							
	3286	48.0	Same as OH 3287				0.0	94.9	25.0		87.9	50.7	Black Clay (CH) Very Soft																				
	3287	50.0	Same as # 3288				0.0				75.9	55.6	Black Clay (CH) Very Soft																				
	3288	52.0	Same as # 3289				0.0				72.2	55.4	Black Clay (CH) Very Soft																				
	3289	54.0	CH	0	1	99	0.0	66.6	21.0		79.6	49.6	Black Clay (CH) Very Soft																				MC-77
	3290	56.0	Same as # 3289				0.0				79.7	52.9	Black Clay (CH) Very Soft																				
	3291	58.0	Same as # 3289				0.0			30.5'	64.7	58.6	Black Clay (CH) Very Soft																				
	3292	60.0	Same as # 3289				0.0				74.3	55.3	Black Clay (CH) Very Soft with organic material and 1/2" sand parting																				
	3293	62.0	Same as # 3289				0.25				78.4	49.1	Black Clay (CH) Soft with organic material																				
	S	64.0					S						Sample Sent to Dallas for testing																				
	S	66.5					S			65.1			No recovery																				
													Bottomed in Black Clay (CH) highly organic - Drillers Classification																				
6ST 5	-12-	0.0								TIDE 1.5																							
	S	6.0					S			4.5			Water																				
	5594	9.5	Same as # 5595				0				75.5	54.9	Gray Clay (CH) very soft with thin sand pockets																				
	5595	12.0	CH	0	3	97	0	60.0	17.0	6' 10.5	87.9	49.9	Gray Clay (CH) very soft with thin sand partings																				MC 82
	5596	14.5	CL	0	11	89	0	40.5	9.0		67.2	56.1	Gray Clay (CL) very soft with large silty sand pockets																				
	5597	17.0	Same as # 5596				0			5' 15.5	102.0	44.5	Gray Clay (CL) very soft																				MC 67
	5598	19.5	Same as # 5599				0.15				70.7	54.6	Gray Clay (CH) very soft																				MC 102
	5599	22.0	CH	0	0	100	0	92.9	75.0		99.3	52.3	Gray Clay (CH) very soft																				MC 70
	5600	24.5	CH	0	2	98	0	64.5	21.0		105.3	43.5	Gray Clay (CH) with thin sand partings very soft																				
	5601	27.0	Same as # 5599				0				105.7	43.5	Gray Clay (CH) very soft																				MC. 103

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

* Laboratory Penetrometer Reading ** Bar L.S.