HOLE NO. 6ST-4A

DEPARTMENT OF THE ARMY

DIVISION Southwestern

INSTALLATION Galv Dist, Eng Div

DRILLING LOG

1. PROJECT: Sabine Neches Jetty

SHEET OF

2. LOCATION (Coordinates or Station): Sta. 85+00

3. DRILLING AGENCY: U. S. Army Corps of Engineerd

4. HOLE NO. (As shown on drawing title and file No.): 6ST-4A

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 76.5

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 / COMPLETED

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)
66.0	68.0		Light gray clay w/organic material, soft			Jar 1 0.25
68.0	70.0		Same as above, v/soft			Jar 2
70.0	72.0		Light gray clayey sand, med			Jar 3 0.75
72.0	75.0		Same as below			Washed
75.0	76.0		Gray sand v/fine, dense 75.0-75.5 No count 75.5-76.0 refusal Bottomed at 76.5			

ENG FORM 1 MAR 61 1836 (EM 1110-1-1801) TRANSLUCENT PREVIOUS EDITION MAY BE USED UNTIL EXHAUSTED.

PROJECT Sabine Neches Jetty HOLE NO. 6ST-4A

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_{50}*	REMARKS
6ST 2 Cont	-62-5585	24.0	Same	as # 5584			S					15'	Gray Clay (CH) very Soft																				
	S	26.0					S						Vain Shear, 3 5/8" Size Vain, 350#																				
		27.0		0-4-58						25.8																							
Top	5586	28.0	SM	0	62	38				26.8	33.9	1'	Gray Silty Sand (SM) with shell fragments																				MC-34
Bot	5586	29.0	CH	0	0	100	0.25	97.2	27.0	27.8	82.0	60.7	Gray Clay (CH) Soft with shell																				MC-82
	5587	31.0	ML	0	39	61	S		2.0	29.8	30.7	2'	Gray Sandy Silt (ML) with shell fragments																				MC-31
	S	32.0					S						Vain Shear, 3 5/8" Size 450#																				
	5588	34.0	CL	0	37	63	S	38.9	10.5	32.8	59.1	3'	Gray Sandy Clay (CL) with Shell fragment																				MC-59
	5589	36.0	CH	0	15	85	0	62.1	19.5		81.0	59.9	Gray Sandy Clay (CH) Very Soft																				
	S	37.0					S						Vain Shear, 3 5/8" Size 525#																				
	5590	39.0	CH	0	12	88	S	61.6	21.0		99.0	51.1	Gray Clay (CH) very Soft																				MC-84
	5591	41.0	CH	0	1	99	0	79.5	24.5		73.3	58.6	Gray Clay (CH) with shell fragments very Soft																				
	S	42.0					S						Vain Shear, 3 5/8" Size Vain 550#																				
	5592	44.0	CL	0	23	77	0	39.8	13.0		50.6	68.9	Gray Clay (CL) Very Soft																				MC-54
	5593	46.0	CH	0	5	95	0.50	56.1	20.0		56.5	67.2	Gray Clay (CH) medium																				
	S	47.0					S					13'	Vain Shear 3 5/8" Size Vain 500#																				
										45.8			Bottomed in Gray Clay (CH) medium																				
6ST 4A	-62- S	0.0											Vain Shear to 65.0'																				
	S	65.0											No Sample																				
	5574	66.0	CL	0	18	82	S	35.2	12.0		39.9	5'	Light Gray Sandy Clay (CL) Soft																				MC-39
	5575	68.0	Same	as # 5574							37.1		Light Gray Sandy Clay (CL) Soft																				
	5576	70.0	SM	0-0-60 0	68	32	S		1.0		23.3		Light Gray Silty Sand (SM)																				
	S	72.0										6'	Driller's classification: Same as Below																				
	5577	75.0	Same	as # 5576			S				22.5		Gray Silty Sand (SM)																				MC-23
		76.0																															

Bottomed in Gray Silty Sand

★ Values at Pressure T/SQ FT

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

★Laboratory Penetrometer Reading ★★ Bar L.S.