South

HOLE NO. 6ST-1

DEPARTMENT OF THE ARMY DIVISION Southwestern INSTALLATION Galv Dist, Eng Div **DRILLING LOG**	1. PROJECT Sabine Pass, Jetty	SHEET OF
	2. LOCATION (Coordinates or Station) Sta 80+00 100' North of South Jetty	Tide 1.6 @ 1:30 PM
	3. DRILLING AGENCY U. S. Army Corps of Engineers	
4. HOLE NO. (As shown on drawing title and file No.) 6ST-1	5. NAME OF DRILLER Eck	

6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE
☐ VERTICAL	☐ INCLINED	DEGREES WITH VERTICAL			74.0

10. SIZE AND TYPE OF BIT	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	12. MANUFACTURER'S DESIGNATION OF DRILL
Shelby Tube - 6"		

13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		14. TOTAL NO. CORE BOXES	15. ELEV. GROUND WATER	16. DATE HOLE	
DISTURBED	UNDISTURBED			STARTED	COMPLETED
5 Jars	25 Cont			26 Jul	26 July 1962

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	10.0	8.4	Water			
10.0	12.0		Dark gray silty clay w/shell v/soft			Jar 1
12.0	14.0		Same as above, v/soft			Jar 2
14.0	16.0		Gray silty clay v/soft			Cont. 1 Unc. Comp
16.0	18.0		Same as above, v/soft			Cont. 2 Triax-Q
18.0	20.0		Same as below			No recovery
20.0	22.0		Gray clay, v/soft			Cont. 3
22.0	24.0		Same as above, v/soft			Cont. 4 Consol
24.0	26.0		Gray clay, v/soft			Cont. 5 Unc. Comp
26.0	28.0		Gray clay w/layers small shell v/soft			Cont. 6
28.0	30.0		Gray clay w/small shell and sand,pockets, medium			Cont. 7 0.50
30.0	32.0		Gray sandy clay, v/soft			Jar 3
32.0	34.0		Gray sand w/shell frag, coarse v/soft			Jar 4
34.0	36.0		Gray clay w/shell frag and sand pockets, soft			Cont. 8 Triax-Q 0.25
36.0	38.0		Gray clayey sand w/small shell v/soft			J r 5
38.0	40.0		Same as above,			No recovery
40.0	42.0		Gray clay w/thin layers sand and small shell, soft			Cont. 9 0.25
42.0	44.0		Gray clay w/silt layers and pockets, soft			Cont. 10 0.25
44.0	46.0		Gray clay medium			Cont. 11 Unc. Comp 0.50
46.0	48.0		Gray clay, medium			Cont. 12 Unc. Comp 0.50
48.0	50.0		Same as above, medium			Cont. 13 0.50
50.0	52.0		Gray clay, v/soft			Cont. 14 Consol
52.0	54.0		Same as above, soft			Cont. 15 0.25
54.0	56.0		Same as above, soft			Cont. 16

HOLE NO. 6ST-1 Cont'd

DEPARTMENT OF THE ARMY DIVISION INSTALLATION DRILLING LOG	1. PROJECT Sabine Pass Jetty	SHEET OF
	2. LOCATION (Coordinates or Station)	
	3. DRILLING AGENCY	
4. HOLE NO. (As shown on drawing title and file No.)	5. NAME OF DRILLER	

6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE 74.0
☐ VERTICAL	☐ INCLINED	DEGREES WITH VERTICAL			

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		14. TOTAL NO. CORE BOXES	15. ELEV. GROUND WATER	16. DATE HOLE	
DISTURBED	UNDISTURBED			STARTED 26 Jul	COMPLETED 26 Jul

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)		
56.0	58.0		Gray clay, medium			Cont.	17	0.50
58.0	60.0		Same as above, medium			Cont.	18	0.50
60.0	62.0		Gray clay becoming organic @ 62.0, medium			Cont.	19	0.75
62.0	64.0		Dark gray silty clay, organic medium			Cont.	20	0.75
64.0	66.0		Same as above, medium			Cont.	21	0.75
66.0	68.0		Light gray clay slightly organic, medium			Cont.	22	0.75
68.0	70.0		Light gray clay, stiff			Cont.	23	1.00
70.0	72.0		Light gray clay w/brown streaks stiff			Cont.	24	1.00
72.0	74.0		Same as above			Cont.	25	
			Bottomed in above @ 74.0 Water 10.0 Weight of hammer 140# Drop Distance - 30"					

Sabine Pass Jetty

TEST DATA SUMMARY

FEATURE Log of Soil Boring

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-62-1	〰	0.0					〰			TIDE	1.6'		Water																				
		10.0								8.4																	M.C. - 112						
	5544		Same as #5546				〰				100.2	〰	Dark gray Clay (CH) with shell very soft																				
		12.0																															
	5545		Same as # 5546				〰			6'	131.6	〰	Dark gray Clay (CH) with shell very soft																			
		14.0																															
	5546		(CH)	0	2	98	0	62.9	17.5		102.8	43.0	Gray Clay (CH) very soft																				
		16.0								14.4																							
	5547		Same as # 5549				0				77.4	50.5	Gray Clay (CH) very soft																				
		18.0																															
	〰						〰						Driller's classification Same as Below														MC - 81						
		20.0																															
	5548		Same as # 5549				0				82.1	49.4	Gray Clay (CH) very soft																				
		22.0																															
	5549		OH	0	0	100	0	100.5	25.0	12'	87.2	48.6	Gray Clay (OH) very soft																				
		24.0																															
	5550		OH	0	1	99	0	71.5	22.5		96.8	47.7	Gray Clay (OH) very soft																				
		26.0																															
	5551		Same as # 5550				0				62.3	56.2	Gray Clay (CH) very soft with layers of small shell																				
		28.0			3-3-5L					26.4																							
	5552		SM	5	57	38	0.25		1.0	2' 38.4	26.0	92.7	Gray Silty Sand (SM) with shell and sand stone fragments																				MC-26
		30.0			0-0-5L																												
	5553		SC	0	51	49	〰		5.0	2' 30.4	41.7	〰	Gray Clayey Sand (SC) with trace shell fragments very soft																				MC-42
		32.0																															
	5554		ML	0	46	54	〰		2.5	2' 32.4	29.4	〰	Gray Sandy Silt (ML) with trace shell fragments																				MC-29
		34.0																															
	5555		Same as # 5557				0.25			2' 34.4	39.4	77.3	Gray Clay (CH) with shell fragments and sand pockets																				MC-39
		36.0																															
	5556		CL	0	25	75	〰	31.8	10.0		42.9		Gray Sandy Clay (CL) with small shell very soft																				
		38.0								4'																							
	〰						〰				〰	...	Driller's classification Same as Above																				MC-43
		40.0								38.4																							
	5557		CH	0	5	95	0.15	55.1	18.5		62.3	61.1	Gray Clay (CH) with thin sand layers and small shell very soft																				
		42.0								4'																							
	5558		Same as # 5557				0.15				60.4	57.8	Gray Clay (CH) with silt layers and pockets very soft																				MC-61
		44.0								42.4																							
	5559		OH	0	0	100	0.50	83.4	25.0	2' 44.4	81.4	51.7	Gray Clay (OH) medium																				MC-81
		46.0																															
	5560		Same as # 5559				0.50				58.6	61.0	Gray Clay (CH) medium																				
		48.0																															
	5561		Same as # 5559				0.50				52.1	65.7	Gray Clay (CH) medium																				
		50.0																															
	5562		CH	0	0	100	0.50	80.5	25.0		70.5	63.2	Gray Clay (CH) medium																				
		52.0																															
	5563		Same as # 5562				0.50				60.1	58.8	Gray Clay (CH) medium																				
		54.0																															

* 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.

ENG FORM 1836 OCT 2000

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_m T/SQ FT	σ_1 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
CST 1 Cont	-62- 5564	54.0																															
		56.0	Same as # 5562				0.50			14'	62.8	58.3	Gray Clay (CH) medium																			
	5565	58.0	CH	0	0	100	0.50	71.1	22.0		76.7	53.9	Gray Clay (CH) medium																			MC-63
	5566	60.0	Same as # 5565				0.50			~~58.4~~	58.5	60.4	Gray Clay (CH) medium																			
	5567	62.0	OH	No	Test		1.00			2' 60.4	123.3	36.4	Gray Clay with too much organic material for testing																			MC-123
	5568	64.0	CH	0	1	99	0.75	55.3	17.0		74.1	52.9	Dark Gray Clay (CH) with organic material, medium																			MC-83
	5569	66.0	Same as # 5568				0.75			6'	91.8	43.9	Dark Gray Clay (CH) with organic material medium																			
	5570	68.0	CH	0	29	71	0.75	57.6	18.5	66.4	31.9	68.3	Light Gray Sandy Clay (CH) slightly organic, medium																			MC-32
	5571	70.0	Same as # 5572				0.75				26.2	97.0	Light Gray Sandy Clay (CL) slightly organic, medium																			
	5572	72.0	CL	0	20	80	1.00	36.0	14.5	6'	76.2	98.2	Light Gray Sandy Clay (CL) Stiff																			
	5573	74.0	CL	0	29	71	1.00	34.2	14.0		24.7	100.6	Light Gray Sandy Clay (CL) Stiff																			MC-26
										72.4	Bottomed in Gray Sandy Clay (CL)																				
CST 2	-62- ∽	0.0					∽	TIDE		1.2			Water																				
		7.0								5.8																							
	5578	9.0	ML	0	27	73	∽		2.0		52.0		Gray Sandy Silt with shell fragments and free water very Soft																			MC-
	5579	11.0	ML	0	26	74	∽		1.0		39.6	5	Gray Sandy Silt very Soft																			MC-46
	∽	12.0					∽			~~10.8~~			Vain Shear, 3 5/8" Size Vain # 140																			
	5580	14.0	Same as # 5581				0				114.9	43.2	Gray Clay (CH) Very Soft																			
	5581	16.0	CH	0	0	100	∽	61.2	19.0		90.4		Gray Clay (CH) Very Soft																			
	∽	17.0					∽						Vain Shear, 3 5/8" Size Vain 225 #																			
	5582	19.0	CH	0	0	100	∽	70.0	21.0		97.2		Gray Clay (CH) Soft																			
	5583	21.0	Same as # 5582				∽				80.9		Gray Clay (CH) Very Soft																			MC-94
	∽	22.0					∽						Vain Shear, 3 5/8" Size Vain 275 #																			
	5584	24.0	CH	0	2	98	0.25	65.2	21.0		86.5	48.4	Gray Clay (CH) with small pockets of fine sand Soft																			

* 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.