HOLE NO. 6ST-5

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 105+00 East Jetty Tide 1.5 @ 6:30 AM	
	3. DRILLING AGENCY U. S. Army Corps of Engineers	
4. HOLE NO. (As shown on drawing title and file No.) 6ST-5	5. NAME OF DRILLER Smith	

6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE
☐ VERTICAL	☐ INCLINED	DEGREES WITH VERTICAL			49.5

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 17 Cont			STARTED 26 July	COMPLETED 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	6.0		Water			
6.0	9.5		Weight of 2-10' rods and 6" ST pent. 3.5 of gray clay sandy			Cont. 1
9.5	12.0		Same as above, v/little resistance to push			Cont. 2 Unc. Comp
12.0	14.5		Gray clay w/silty sand layers v/soft, v/little resistance to push			Cont. 3
14.5	17.0		Gray clayey sand, v/soft v/little resistance to push			Cont. 4 Triax Q
17.0	19.5		Same as above, v/little resistance			Cont. 5
19.5	22.0		Same as above			Cont. 6 Consol.
22.0	24.5		Same as above			Cont. 7 Unc. Comp
24.5	27.0		Same as above			Cont. 8
27.0	29.5		Gray clay w/thin sand layers and small shell and frag very little resistance to push			Cont. 9 Unc. Comp
29.5	32.0		Gray sand, clay, silt w/shell frag, v/little resistance			Cont. 10
32.0	34.5		Gray clay and sand silt layered w/shell frag, v/soft			Cont. 11
34.5	37.0		Gray clay sand w/shell frag, v/little resistance to push			Cont. 12
37.0	39.5		Gray clay and sand layers w/ shell frag, v/little resistance to push			Cont. 13
39.5	42.0		Same as above			Cont. 14
42.0	44.5		Gray clay, v/soft			Cont. 15
44.5	47.0		Gray clay w/silty sand layers v/soft			Cont. 16 Unc. Comp
47.0	49.5		Same as above, v/soft			Cont. 17
			Bottomed in above Water 6.0			

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.