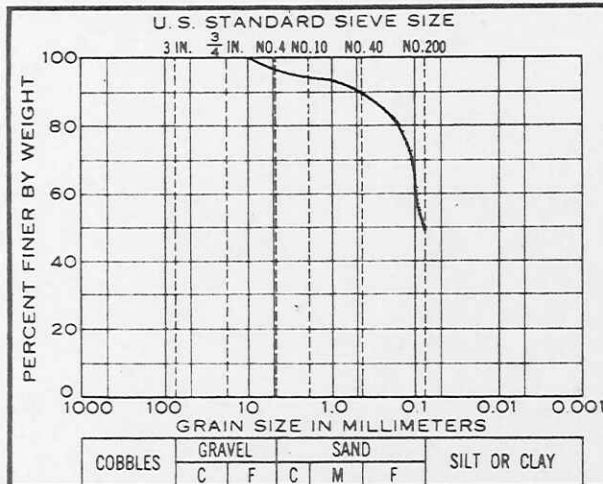


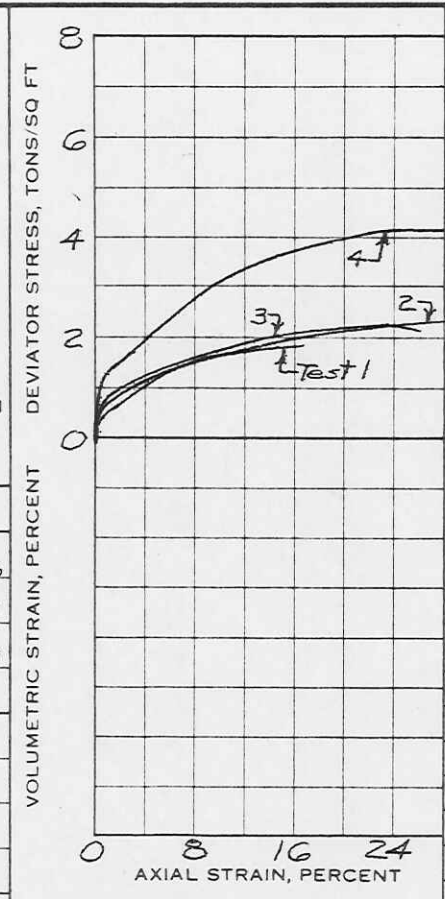
North Jetty

HOLE NO. 6ST-3

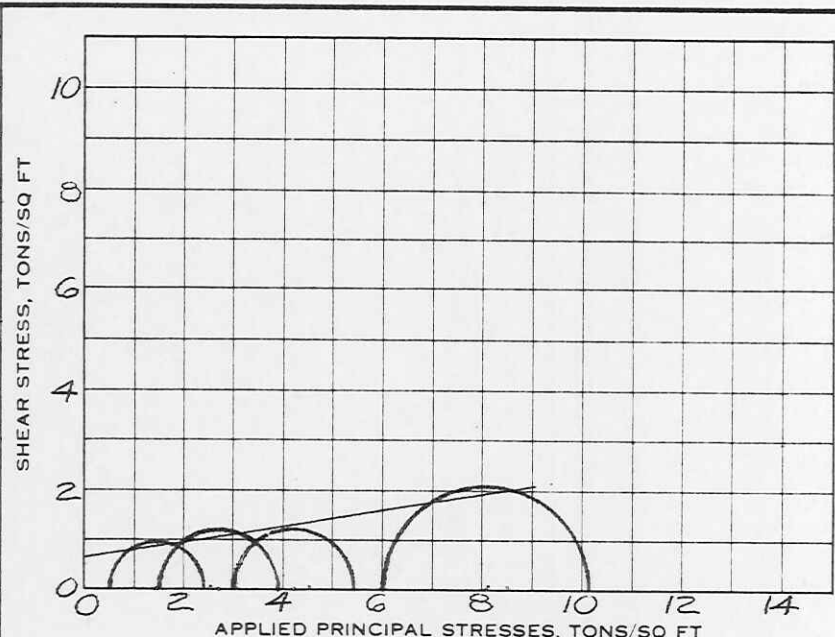
DEPARTMENT OF THE ARMY DIVISION <u>Southwestern</u> INSTALLATION <u>Galy Dist, Eng Div</u>			1. PROJECT <u>Port Aransas - Corpus Christi</u>			SHEET <u>1</u> OF <u>1</u>				
DRILLING LOG			2. LOCATION (Coordinates or Station) <u>Sta. 67/50 Tide 1.3/10 @ 6:10 AM</u>							
4. HOLE NO. (As shown on drawing title and file no.) <u>6ST-3</u>			3. DRILLING AGENCY <u>U. S. Army Corps of Engineers</u>							
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL			5. NAME OF DRILLER <u>Smith</u>		7. THICKNESS OF OVER-BURDEN		8. DEPTH DRILLED INTO ROCK		9. TOTAL DEPTH OF HOLE <u>61.0</u>	
10. SIZE AND TYPE OF BIT <u>Shelby Tube - 6"</u>			11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			12. MANUFACTURER'S DESIGNATION OF DRILL				
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN DISTURBED <u>8 Jars</u> UNDISTURBED <u>1 Cont</u>			14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER		16. DATE HOLE STARTED <u>5 July</u> COMPLETED <u>5 July 1962</u>			
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	23.5		Water							
23.5	25.5		4-10' rods and drive tube penetrated 2.0 Gray silt sand					ML Jar 1		
25.5	28.0		Same as below							
28.0	30.0		28.5-29.0 14 blows 29.0-29.5 22 blows Gray sand silt, w/shell frag					Jar 2		
30.0	33.0		Same as above					No recovery		
33.0	35.0		33.5-34.0 4 blows 34.0-34.5 7 blows Gray sand silt w/thin clay layers					Jar 3		
35.0	38.0		Same as above					Washed		
38.0	40.0		38.5-39.0 4 blows 39.0-39.5 9 blows Gray sand clay w/cal nod and gray sand layers					Jar 4		
40.0	42.0		Gray sand clayey w/sand and sandstone nod v/stiff to stiff					Q-Trip Cont. 1 Top 2.50 Bottom 1.50		
42.0	45.0		Gray sand clayey w/cal and sandstone nod (disturbed) loose packed					SC Jar 5		
45.0	48.0		Same as above					No recovery		
48.0	50.0		48.5-49.0 33 blows 49.0-49.5 45 blows From as above to a tan sand silt at 49.0, fine					Jar 6		
50.0	53.0		Same as below							
53.0	55.0		53.0-53.5 No count 53.5-54.0 44 blows 54.0-54.5 50 blows Gray sand					JP Jar 7		
55.0	59.0		Same as below							
59.0	61.0		59.0-59.5 No count 59.5-60.0 44 blows 60.0-60.5 68 blows Tan sand					Jar 8		
			Bottomed in above Weight of hammer 140# Drop Distance - 30" Water 23.5							



Test No.		1	2	3	4
INITIAL	Water Content, W_0 %	20.2	19.7	21.5	20.3
	Dry Density Lbs/Cu Ft	108	108	106	107
	Void Ratio, e_0	.565	.566	.532	.571
	Saturation, S_0 %	97	94	98	96
BEFORE TEST	W.C. after Saturation, W_s %				
	Saturation, S %				
	Consol Pressure T/Sq Ft				
	W.C. after Consol, W_c %				
AT FAILURE	Void Ratio after Consol e_c				
	Maj Prin Stress, σ_1 T/Sq Ft	2.37	3.90	5.30	10.16
	Min Prin Stress, σ_3 T/Sq Ft	0.5	1.5	3.0	6.0
	Water Content, W_f %				
	Void Ratio, e_f				
	Specimen Diameter Inches	1.4	1.4	1.4	1.4
	Initial Height Inr	3.0	3.0	3.0	3.0
	Test Time to Failure Min	17	28	24	26



Type of Test - Q	
Constant Strain, 0.03 in/min	
Control	
UnConsolidated, UnDrained	
Type of Specimen Undisturbed	
$\phi = 9.2^\circ$	$\tan \phi = .162$
Classification Clayey SAND (SC)	
LL 24	G 2.70
PL 16	D_{10}



Remarks:

Q test.

Project Port Aransas - Corpus Christi	
Foundation Material	
Area GALVESTON DISTRICT	
Boring No. GST-3	Sample No. S-13,600
Elev or Depth 40.0-42.0	Date SEP 62
TRIAXIAL COMPRESSION TEST REPORT	

Plate No. 6

ENG FORM 1 DEC 51 2089

(EM 1110-2-1803)

(Translucent)

SWDGL Report No. 8007