

DEPARTMENT OF THE ARMY DIVISION <u>Southwestern</u> INSTALLATION <u>Galv Dist, Eng Div</u>				1. PROJECT <u>Pt. Aransas Corpus Christi WW</u>		SHEET <u> </u> OF <u> </u>	
DRILLING LOG				2. LOCATION (Coordinates or Station) <u>Aransas Pass, Sta. 485400</u>			
4. HOLE NO. (As shown on drawing title and file No.) <u>3ST-109</u>				3. DRILLING AGENCY <u>U. S. Army Corps of Engineers</u>			
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL <u> </u>				7. THICKNESS OF OVER-BURDEN <u>Black</u>		8. DEPTH DRILLED INTO ROCK <u> </u>	
10. SIZE AND TYPE OF BIT <u>Shelby Tube - 3"</u>				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) <u> </u>		12. MANUFACTURER'S DESIGNATION OF DRILL <u> </u>	
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN DISTURBED <u>12 Jars</u> UNDISTURBED <u> </u>				14. TOTAL NO. CORE BOXES <u> </u>		15. ELEV. GROUND WATER <u> </u>	
17. ELEV. TOP OF HOLE <u> </u>				18. TOTAL CORE RECOVERY FOR BORING (%) <u> </u>		19. SIGNATURE OF INSPECTOR <u> </u>	
ELEVATION		DEPTH		LEGEND		REMARKS	
				CLASSIFICATION OF MATERIALS (Description)		(Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	29.0			Water			
29.0	31.0			Dark gray silty clay sand w/shell deposit		Jar 1	
31.0	32.0			Dark gray sand clay, w/shell		Jar 2	soft
32.0	33.0			Dark gray soupy sand w/shell traces		Jar 3	
33.0	35.5			Dark gray and tan sandy clay		Cont. 1	
35.5	37.0			Dark gray clay, sand, v/stiff		Cont. 2	v/stiff 2.25
37.0	38.0			Dark gray clay, sand, hard		Cont. 3	to hard 4.0
38.0	39.0			Dark gray sand w/cemented sandstone		Jar 4	
39.0	40.0			Dark gray sand w/traces of cal nod		Jar 5	v/Dense
40.0	41.5			40.0-40.5 No blows 40.5-41.0 15 blows 41.0-41.5 41 blows Dark gray sand, v/dense		Jar 6	
41.5	43.0			Washed, no sample			
43.0	44.0			Dark gray sandy clay, sandstone		Jar 7	
44.0	44.5			Dark gray sand		Jar 8	
44.5	45.5			Washed, sand			
45.5	47.0			45.5-46.0 No blows 46.0-46.5 8 blows 46.5-47.0 17 blows Dark gray sand		Jar 9	Dense
47.0	47.5			Washed			
47.5	49.5			Dark gray clayey sand		Jar 10	
49.5	50.0			Fine shell cemented		Jar 11	
50.0	52.0			50.0-50.5 No blows 50.5-51.0 4 blows 51.0-51.5 3 blows 51.5-52.0 No blows Gray fine sand w/heavy shell and cemented sand w/cal nod		Jar 12	Med Dense
				Bottom Wind 5 MPH Tide +1.5 @ 7:15 AM			

Port Arkansas - Corpus Christi WW

LOG OF BORING NO. 3 St-109

Tide +1.5 @ 7:15 AM

TYPE 3" Shelby Tube

LOCATION: Arkansas Pass Sta. 485+00

DEPTH FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT. LBS./CU.FT.	POCKET PENETROMETER TONS / SQ. FT.						ELEVATION FT
						0.5	1.0	1.5	2.0	2.5	3.0	
						PLASTIC LIMIT	WATER CONTENT, %				LIQUID LIMIT	
			SURF. EL.			10	20	30	40	50	60	
10												
15												
20												
25												
30	S		Dark Gray Silty Sand									
	M		w/ shell									
	CH		Dark Gray Sandy Clay									
	SM		Dark Gray Silty Sand w/ shell									
35	S		Dark Gray Tan Clayey Sand									
	C		L.S. = 11.0 Hard									
												4.5
												4.0
40	S		Dark Gray Silty Sand									
	M		w/ Cal Nod									
45	S											
	C		L.S. = 3.0									
	SP		Dark Gray Clayey Sand									
	SC											
	C		Dark Gray Sandy Clay									
	L		L.S. = 9.0									
50	SP		Gray Clayey Gravelly Sand									
	SC		w/ shell									
55												

COMPLETION DEPTH 52.0'
DATE 30 April 1963

DEPTH TO WATER
IN BORING

DATE