

DRILLING LOG		DIVISION Southwestern		INSTALLATION Galv Dist, Eng Div		SHEET OF SHEETS	
1. PROJECT Port Aransas-Corpus Christi Waterway				10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station)				11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			
3. DRILLING AGENCY U. S. Army Corps of Engineers				12. MANUFACTURER'S DESIGNATION OF DRILL			
4. HOLE NO. (As shown on drawing title and file number)		3ST-46		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 2 Jars	
5. NAME OF DRILLER Black				14. TOTAL NUMBER CORE BOXES		UNDISTURBED 3 Cont	
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER		16. DATE HOLE STARTED 7 May	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE		COMPLETED 7 May 1964	
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING		%	
9. TOTAL DEPTH OF HOLE 52.0				19. SIGNATURE OF INSPECTOR			

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
0.0	40.0		Water			
40.0	43.0		Dark gray sandy clay, v/soft muck, unable to recover sample had to collect sample from following run, weight of 5 rods, tube and kelly No resistance			Jar 1
43.0	45.5		White sandy clay, w/cal nod hard			Cont. 1 4.25
45.5	47.5		Light tan clayey sand, med w/cal nod, w/sandstone, pebbles, v/stiff			Cont. 2 3.50
47.5	49.0		Light gray clayey sand w/cal nod, w/sandstone, w/limestone gravel, hard			Cont. 3 4.5+
49.0	51.5		Laminated cemented sand and clay seams will wash by spudding, unable to make pushes over 5 foot, numerous pushies (4) were made to check material for same, same as below			
51.5	52.0		Calcium nodules, cemented sand decomposed shell, laminated sand and clay seams w/clay (small amount) binder			Jar 2
			Bottomed Water 40.0 Tide +2.4 @ 7:00 AM			

PA CC WW

LOG OF BORING NO. 3ST-46 (71)

TYPE: 3 in. Shelby Tube LOCATION:

POCKET PENETROMETER TONS / SQ. FT.					
0.5	1.0	1.5	2.0	2.5	3.0
PLASTIC LIMIT		WATER CONTENT, %		LIQUID LIMIT	
+		+		+	
10	20	30	40	50	60

DEPTH FT.	SYMBOL	*SAMPLES	DESCRIPTION OF MATERIAL	BLOWS-PEER-FT.	UNIT DRY WT. LBS./CU.FT.	ELEVATION FT.
			SURF. EL:			
			WATER 40.0'			
			TIDE +2.4 @ 7:00 A.M.			
40						
	S		DARK GRAY SILTY SAND			
			40° - 43°			
			NO RESISTANCE, 5 rods			
			Tube & Kelly 0-62-38	43		
45	M		WHITE SILTY SAND			
			w/ CAL NOD 43° - 45°			
	SC		LIGHT TAN CLAYEY	1		
	SM		SILTY SAND	1		
			sandstone nodules			
			✓/STIFF 4-56-40	7		
			Light Gray sandy silt			
			w/ sandstone & calc			
	M		nodules			
50			Laminated cemented			
			sand w/ clay seams			
			from 49.0' - 51.0'			
			6-43-51			