ide 2.6 @ 6:05 A.M.

HOLE NO. 3ST-155

DEPARTMENT OF THE ARMY
DIVISION Southwestern
INSTALLATION Galv Dist, Eng Div

DRILLING LOG

1. PROJECT: Matagorda Ship Channel
SHEET OF
2. LOCATION (Coordinates or Station)
3. DRILLING AGENCY: U. S. Army Corps of Engineers
4. HOLE NO. (As shown on drawing title and file No.): 3ST-155
5. NAME OF DRILLER: Eck
6. DIRECTION OF HOLE: ☐ VERTICAL ☐ INCLINED; DEGREES WITH VERTICAL
7. THICKNESS OF OVER-BURDEN
8. DEPTH DRILLED INTO ROCK
9. TOTAL DEPTH OF HOLE: 47.0
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: DISTURBED; UNDISTURBED
14. TOTAL NO. CORE BOXES
15. ELEV. GROUND WATER
16. DATE HOLE: STARTED 18 Dec; COMPLETED 18 Dec 1961
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	31.0		Water				
31.0	33.0		Tan silty sand w/cal nods			Jar 1	
33.0	35.0		Washed				
35.0	37.0		Tan gray silty sand w/clay seams and cal nods			Jar 2	
37.0	40.0		Washed				
40.0	42.0		Tan gray silty sand w/clay seams and cal nods, stiff			Jar 3	1.75
42.0	45.0		Washed				
45.0	47.0		Tan silty sand w/cal nods medium			Cont. 1	0.50
			Bottomed in above				

MATACORDA SHIP CHANNEL & JETTIES
ALINGMENT "A"

TEST DATA SUMMARY

Sheet 15 of ____

FEATURE Log of Soil Boring

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{50}	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
35T 155	61	0.0																															
		31.0		2-6	0-1-82																												
	5824		sm-sp	8	83	9					23.7		yellow to Gray, silty sand (sm-sp), w/calcareous nodules																				
		33.0																															
	X		sm-sp										NO Drillers Classification, Assumed same as above																				
		35.0			1-1-70																												
	5825		sm	7	72	21			2.0		20.4		yellow to Gray, silty sand (sm), w/calcareous nodules																				
		37.0																															
	X		sm										NO Drillers Classification, Assumed same as above																				
		40.0																															
	5826		sm	Same as 61-5825							19.2		yellow to Gray, silty sand (sm)																				
		42.0																															
	X		sm										NO Drillers Classification, Assumed same as above																				
		45.0																															
	5827		sm	0	62	38	1.5		0.0		22.9	105.7	Brown, silty sand (sm), stiff																				
		47.0																															

Bottomed at 47.0 below water surface in Brown, silty sand (sm)

Boring Location sta.

Tide 2.6 at 6:05 AM

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

X NO Recovery

ENG FORM 1 DEC 71 2088