HOLE NO. 6 ST-11

DEPARTMENT OF THE ARMY
DIVISION Southwestern
INSTALLATION Galveston Dist, Engr Div

DRILLING LOG

1. PROJECT: Port Mansfield Jetties — SHEET 1 OF 2
2. LOCATION (Coordinates or Station): Sta ~~5+00~~ 4+00 550' left CL — Sta. 4+00
3. DRILLING AGENCY: National Soil Services
4. HOLE NO. (As shown on drawing title and file No.): 6 ST-11
5. NAME OF DRILLER: B. E. Beltz
6. DIRECTION OF HOLE: [XX] VERTICAL [ ] INCLINED — DEGREES WITH VERTICAL:
7. THICKNESS OF OVER-BURDEN:
8. DEPTH DRILLED INTO ROCK:
9. TOTAL DEPTH OF HOLE: 43.5'
10. SIZE AND TYPE OF BIT: 6" Shelby tube
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Duck w/ Joy rig
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: DISTURBED 27 jars; UNDISTURBED 21 containers
14. TOTAL NO. CORE BOXES:
15. ELEV. GROUND WATER: -0.1
16. DATE HOLE: STARTED 12-10-59; COMPLETED ?
17. ELEV. TOP OF HOLE: 3.39'
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)
0.0-5.0		Sand	Med. dense tan fine sand w/shell v/shelly below 3.5 2 jars (0.0-1.0) 2 jars (4.0-5.0)			
5.0-11.0		Sand	Medium dense to dense gray fine sand w/ shell 2 jars (8.5-10.0)			
11.0-11.5		Sand	Same (no sample)			
-8.1						
11.5-13.0		Plastic	Soft to firm gray and brown silty clay. 1 container. 1 jar			0.50
13.0-14.5		Plastic	Same 1 container 1 jar			13.0-14.5 consol. 0.50 0.75
14.5-16.0		Plastic	Same 1 container 1 jar			1.25 0.25
-12.6						
16.0-17.5		Soft	Same but v/ silty with decayed roots 16.0-19.0 2 jars			.25
17.5-19.0		Soft	Same, 1 container, 1 jar			.25
19.0-20.5		Soft	v/soft gray clayey sandy silt. Sandy shell seam at 20.5 2 jars			0.00
20.5-22.0		Very	soft to v/soft gray & brown clay w/ sand poulets 1 container 1 jar			0.50
22.0-23.5		Very	Same 1 container			22.0-23.5 Consol 0.15
23.5-25.0		Very	Same 1 container 1 jar			23.5-25.0 Shear 0.25
25.0-26.5		Very	Same 1 container 1 jar			0.25
26.5-28.0		Very	Same 1 container 1 jar			0.25
28.0-29.5		Very	Same w/traces of shell 1 container			0.25
29.5-31.0		Very	Loose gray fine sand w/ shell and clay lumps 1 container 1 jar			---
31.0-32.5		Very	Same w/ more clay w/ depth 1 container 1 jar			
32.5-34.0		Very	Same 1 container 1 jar			
-30.6						
34.0-35.5		Very stiff	Firm to stiff tan & brown clay with mica nodules 2 jars			

HOLE NO. 6 ST-11

DEPARTMENT OF THE ARMY
DIVISION _____
INSTALLATION _____

DRILLING LOG

1. PROJECT				SHEET 2 OF 2
2. LOCATION (Coordinates or Station)				
3. DRILLING AGENCY				
4. HOLE NO. (As shown on drawing title and file No.)		5. NAME OF DRILLER		
6. DIRECTION OF HOLE: ☐ VERTICAL ☐ INCLINED; DEGREES WITH VERTICAL		7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE
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 / COMPLETED	
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)
	35.5-36.5		Same 2 jars			
	36.5-37.5		Same but v/ stiff 1 container			36.5-37.5 Consol. 3.25
	37.5-38.5		Same 1 container			3.75
	38.5-39.5		Same 1 container			2.75
	39.5-40.5		Stiff to v/stiff tan & brown silty clay w/v/ silty clay seams 1 container			3.25
	40.5-41.5		Same 1 container 1 jar			2.00
	41.5-42.0		Same 1 container			4.50
	42.0-43.0		Same 1 container 1 jar			3.75
	43.0-43.5		Same 1 container			4.25

Very Stiff

PORT MANSFIELD

TEST DATA SUMMARY

JETTY CONSTRUCTION FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR EL EV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	%	ATTERBERG LIMITS LL	PL	BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BST-10 (cont)	59-3749	45.5	0	2	98	-	42.6		15.0	22.9	-	Br, Cl (CL)
		46.0										
	-		No Sample Driller's Classification									Br, Cl (CL)
		49.0										
	3750		(Same as 59-3751)			1.00				23.4	101.1	Br, Sa (SP)
		50.5										
	-		No Sample Driller's Classification									Br, Sa (SP)
		53.0	9-2-92									
	3751		0	94	6				0.0	20.9	-	Br, Sa (SP)
		54.5										
			Bottomed @ 54.5' in Br, Sa (SP)									
BST-11	59-3752	0.0	0	100	0	16-6-92			0.0	4.4		T, Sa (SP)
		1.0										
	-		No Sample Driller's Classification									T, Sa (SP)
		4.0										
	3753		(Same as 59-3754)			-				18.3		Br, Sa (SP)
		5.0										
	-		No Sample Drillers Classification									Br, Sa (SP)
		8.5	4-4-92									
	3754		0	100	0				0.0	24.7		Br, Sa (SP)
		10.0										
	-		No Sample Drillers Classification									Br, Sa (SP)
		11.5										
	3755		0	4	96	0.75	55.6		21.5	45.6	79.5	Br, Cl (CH) Pl
		13.0										
	3756		0	0	100	1.50	58.4	23.2	24.0	36.3	86.4	Br, Cl (CH) St.
		14.5										
	3757		0	2	98	0.75	46.3		17.0	38.7	82.6	G, Cl (CL), Pl
		16.0										
	3758		0	2	98	-	30.8		6.0	32.3	-	G, Cl (CL), Pl
		17.5										
	3759		0	26	74	0.50			4.0	24.5	95.3	G, Sa Cl (CL-ML), Pl
		19.0										
	3760		0	4	96	-	31.6		7.0	33.4	-	G, Cl (CL)
		20.5										
	3761		0	3	97	0.50	46.9		16.0	37.2	84.2	G, Cl (CL), Pl
		22.0										
	3762		0	2	98	0.50	60.4	25.5	19.0	46.3	75.1	G, Cl (CH), Pl
		23.5										
	3763		0	1	99	0.50	63.2	23.6	22.0	46.7	75.0	G, Cl (CH), Pl
		25.0										
	3764		(Same as 59-3763)							44.9	74.5	G, Cl (CH), Pl
		26.5										

Laboratory Penetrometer Readings OLR 817

PORT MANSFIELD

TEST DATA SUMMARY

JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR EL. EV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D%	ATTERBERG LIMITS LL	PL	BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BST-11	59-	26.5										
(cont)	3765		0	1	99	0.25	68.1		21.0	47.6	75.1	G, Cl (CH), Pt
		28.0										
	3766		(Same as 59-3765)			0.50				41.0	80.3	G. Cl (CH), Pt
		29.5										
	3767		(Same as 59-3765)			0.25				24.8	101.3	G, Cl (CH), So
		31.0										
	3768		4	37	59	0.75	31.8		7.0	25.1	100.2	G. Sa Cl (CL), Pt
		32.0										
	3769		(Same as 59-3768)			0.75				24.7	98.6	G, Sa Cl (CL) Pt
		34.0										
	3770		0	4	96	-	57.9		21.0	31.7	-	L, Cl (CH)
		35.5										
	3771		0	2	98	-	55.4		19.0	24.1	-	L, Cl (CH)
		36.5										
	3893		0	2	98	3.00	42.4		16.0	22.3	107.9	R, Cl (CL) v/st
		37.5										
	3772		0	1	99	2.25	45.7	19.5	16.0	22.3	104.4	R, Cl (CL), v/st
		38.5										
	3773		0	6	94	1.75	40.5		13.0	25.5	98.6	R, Cl (CL), St
		39.5										
	3774		(Same as 59-3773)			1.75				21.5	106.1	R, Cl (CL), St
		40.5										
	-		No Sample Drillers Classification									R, Cl (CL)
		41.5										
	3775		0	0	100	4.50	45.1		15.5	21.7	105.8	R, Cl (CL), Hd.
		42.0										
	3776		(Same as 59-3775)			4.50				19.6	110.4	R, Cl (CL), Hd.
		43.0										
	3777		0	7	93	4.00	35.9		11.5	19.4	109.2	R. Cl (CL), Hd.
		43.5										
			Bo Homed @ 43.5' in R, Cl (CL) Hd.									
BST-12	60-	0.0										
			Gulf Water (Surface of Gulf floor 8.5' below water surface)									
		8.5										
	419		(Same as 60-420)							26.4		Br, Sa (SP)
			0	0.3-9.5 98	2				0.0	28.6		Br, Sa (SP)
		10.5										
	421		(Same as 60-420)							30.0		Br, Sa (SP)
			(Same as 60-420)							27.2		Br, Sa (SP)
	422	12.5										

*- Laboratory Penetrometer Readings

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