HOLE NO. 6 ST-1

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 10/00 450 Rt CL				
3. DRILLING AGENCY: National Soil Services				
4. HOLE NO. (As shown on drawing title and file No.): 6 ST-1	5. NAME OF DRILLER: BL 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: 36.0	
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 22 jars(pt); UNDISTURBED 9 cont.	14. TOTAL NO. CORE BOXES	15. ELEV. GROUND WATER: 0.6	16. DATE HOLE: STARTED 12-14-59; COMPLETED 12-14-59	
17. ELEV. TOP OF HOLE: 6.0'	18. TOTAL CORE RECOVERY FOR BORING (%)	19. SIGNATURE OF INSPECTOR: No. blows	Penetrometer	

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0-3.5			Tan sand w/ v soft gray clay seams(hydraulic fill) 1 jar			Fill
3.5-5.0			Medium dense gray fine sand w/ shell. 2 jars			
5.0-6.0			Same. No sample			
6.0-8.5			Medium dense gray fine sand w/ shell. No sample			
8.5-9.5			Same. 2 jars			
9.5-12.0			Same. No sample			
12.0-13.5 -7.5			Same. 2 jars			
13.5-15.0			Soft gray silty clay w/ sandy clay seams. 1 container 1 jar			0.50
15.0-16.5			Medium dense gray silty very fine sand. 2 jars			
16.5-18.0			Same. No sample			Error or possible old channel
18.0-19.5			Same. 2 jars			
19.5-22.0			Same. No sample			Probably Error
22.0-23.5			Same. 2 jars			
23.5-25.0			Soft to firm gray clay 1 container 1 jar			.50
25.0-26.5			Same w/ sand lenses at 25.0 & 25.5. 1 container 1 jar			.50
26.5-28.0			Same w/ silt pockets 26.5 to 29.5. 1 container & 1 jar			.60
28.0-29.5			Same 1 container 1 jar			.50
29.5-31.0			Same w/ traces of shell & sand pockets below 29.5 1 container 1 jar			.60 .50
31.0-31.5			Same. No sample			
31.5-32.5			Loose gray fine sand w/ shell 1 container 1 jar			

HOLE NO. 6 ST-1

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)
32.5-33.5		Sand	Same. 2 jars			
33.5-34.0			Same			
34.0-35.0			V/stiff to hard brown & tan clay w/ sand & shell pockets 1 container			4.50
35.0-36.0		Hard Clay	Same. 1 container			4.50
			Bottomed in above at 36.0' Weight hammer)not used Drop distance)this location			

PORT MANSFIELD

JETTY CONSTRUCTION

TEST DATA SUMMARY

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-1	59	0.0										
	3869		0	36	64	-	34.6		15.0	28.7	-	T, SaCl (CL)
		3.5										
	3870		(Same as 59-3871)							20.4	-	T, Sa (SP)
			0-2-97									
	3871		0	99	1	-				20.8	-	T, Sa (SP)
		5.0										
	-		No Sample - Driller's Classification									T, Sa (SP)
		8.5										
	3872		(Same as 59-3871)			-				25.9	-	T, Sa (SP)
	3873		(Same as 59-3871)			-				25.5	-	T, Sa (SP)
		9.5										
	-		No Sample - Driller's Classification									G, Sa (SP)
		12.5										
	3874		(Same as 59-3875)			-				29.5	-	G, Sa (SP)
			0-0-96									
	3875		0	96	4	-				22.1	-	G, Sa (SP)
		13.5										
	3876		0	11	89	0.50			2.0	27.1	95.7	B, Si (ML)
		15.0	0-0-65									
	3877		0	65	35	-			0.0	31.1	-	T, Si Sa (SM)
	3878		(Same as 59-3877)							31.5	-	T, Si Sa (SM)
		16.5										
	-		No Sample - Driller's Classification									T, Si Sa (SM)
		18.0	0-0-63									
	3879		0	63	37	-			0.0	30.2	-	T, Si Sa (SM)
	3880		(Same as 59-3882)							34.5	-	T, Sa (SP)
		19.5										
	-		No Sample - Driller's Classification									T, Sa (SP)
		22.0										
	3881		(Same as 59-3882)							26.1	-	T, Sa (SP)
			2-2-91									
	3882		0	95	5	-				25.9	-	T, Sa (SP)
		23.5										
	3883		0	0	100	0.75	68.9		22.0	46.1	73.4	G, Cl (CH), Pl.
		25.0										
	3884		(Same as 59-3883)			0.75				45.2	74.6	G, Cl (CH), Pl.
		26.5										
	3885		(Same as 59-3883)			0.75				43.9	73.3	G, Cl (CH), Pl.
		28.0										
	3886		0	0	100	0.75	66.7		23.0	45.1	70.4	G, Cl (CH), Pl.
		29.5										
	3887		(Same as 59-3886)			1.50				35.5	86.8	G, Cl (CH), St.
		31.0	18-24-40									
	3888		0	77	23	1.00			2.0	20.9	105.9	G, Si Sa (SM)
		32.5										

A-Laboratory Penetrometer Reading

DLR 817

PORT MANSFIELD
JETTY CONSTRUCTION

TEST DATA SUMMARY

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	Qu	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BST-1 (Cont)	59-3889	32.5	(Same as 59-3890) 0-14-74			-				22.5	—	G, Si Sa (SP-SM)
	3890	33.5	0	88	12	-				21.1	—	G, Si Sa (SP-SM)
	3891	35.0	0	22	78	4.00	34.9		12.0	38.3	95.8	T-G, Sa Cl (CL), Hd.
	3892	36.0	(Same as 59-3891)			4.50				19.1	110.9	T-G, Sa Cl (CL), Hd.
			Bottomed @ 36.0' in T-G, Sa Cl (CL) (Hd.									
BST-2	59-3728	0.0	0-1-99 0	100	0	-			0.0	3.7	—	T, Sa (SP)
	3729	1.0	(Same as 59-3728)							3.9	—	T, Sa (SP)
	—	3.5	No Sample Driller's Classification 0-1-98									T, Sa (SP)
	3780		0	100	0	-			0.0	18.0	—	Br, Sa (SP)
	3781	5.0	(Same as 59-3780)							7.5	—	Br, Sa (SP)
	—	9.0	No Sample Driller's Classification 0-0-100									T, Sa (SP)
	3782		0	100	0	-			0.0	23.4	—	T, Sa (SP)
	3783	10.5	(Same as 59-3782)			-				23.0	—	T, Sa (SP)
	—	13.5	No Sample Driller's Classification									T, Sa (SP)
	3784	15.0	0	0	100	1.25	39.0		10.5	34.1	89.2	Br, Cl (CL), St.
	3785	16.5	0	0	100	1.00	33.6	19.8	8.0	29.8	94.4	Br, Cl (CL), St.
	3786	18.0	(Same as 59-3785)			0.75				23.1	90.5	Br, Cl (CL), Pl.
	3787	19.5	0	4	96	1.00	36.8		11.0	30.4	90.7	Br, Cl (CL), St.
	3788	21.0	0	6	94	1.25	45.8		18.0	34.3	86.5	B, Cl (CL), St.
	3789	22.5	(Same as 59-3788)			1.25				33.0	88.0	B, Cl (CL), St.
	3790	24.0	0	1	99	1.25	67.0		22.0	45.9	76.2	G, Cl (CH), St.
	3791	25.5	(Same as 59-3790)			0.75				50.1	73.1	G, Cl (CH), Pl

* - Laboratory Penetrometer Readings

DLR 8/7