

HOLE NO. 6ST-6

DEPARTMENT OF THE ARMY Southwestern Division			1. PROJECT Port Mansfield		SHEET OF	
DIVISION			2. LOCATION (coordinates or Station) Sta-13+00, Elev 50, 450' R of C			
INSTALLATION Galv Dist, Eng Div			3. DRILLING AGENCY Brown & Root Marine Operators, Inc			
DRILLING LOG			5. NAME OF DRILLER Fowler-Lewis-Perkins			
4. HOLE NO. (As shown on drawing title and file No.) 6ST-6			9. TOTAL DEPTH OF HOLE 60.5			
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL			7. THICKNESS OF OVERBURDEN		8. DEPTH DRILLED INTO ROCK	
10. SIZE AND TYPE OF BIT Shelby Tube			11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		12. MANUFACTURER'S DESIGNATION OF DRILL	
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN DISTURBED			14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER	
17. ELEV. TOP OF HOLE -17.5 M/L			18. TOTAL CORE RECOVERY FOR BORING (%)		16. DATE HOLE STARTED 21 Jan COMPLETED 21 Jan 60	
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	0.3	0.0 0	Sand and shell			Jar 1
-17.8	0.3	0.0 0				
0.3	1.0	0.0 0	Soft gray clay, trace red, trace of shell		Cont. 1	0.5
1.0	2.0	0.0 0	Same as above		Cont. 2	0.5
2.0	3.0	0.0 0	Same as above		Cont. 3	0.6
3.0	4.0	0.0 0	Same as above		Cont. 4	0.6
4.0	5.0	0.0 0	Same as above		Cont. 5	0.7
5.0	6.0	0.0 0	Same as above		Cont. 6	0.7
6.0	7.0	0.0 0	Same as above		Cont. 7	0.8
7.0	8.0	0.0 0	Same as above. Sandy w/shell at bottom		Cont. 8	0.8
8.0	9.0	0.0 0	Intermixed gray sand, soft clay and shell		Cont. 9	
9.0	10.0	0.0 0	Same as above, some tan clayey silt at bottom		Cont. 10	
-27.5	10.0	0.0 0			Cont. 1	4.5
10.0	12.0	0.0 0	Very stiff tan silty clay		Cont. 12	
12.0	13.0	0.0 0	Mixed stiff tan clay, sand and shell		Jars 1A & 1B	
-30.5	13.0	0.0 0			Cont. 13	
13.0	14.0	0.0 0	Tan clayey silt w/shell		Cont. 14	
-31.5	14.0	0.0 0			Jars 2A & 2B	
14.0	15.0	0.0 0	Tan clayey fine sand. Trace of shell and clay lumps		Jars 3A & 3B	
15.0	16.0	0.0 0	Same as above		Jar 4	
16.0	18.0	0.0 0	Tan fine sand w/shell. Trace of clay		Jars 5A & 5B	
18.0	20.0	0.0 0	Tan fine sand w/shell and sandstone lumps			
20.0	22.0	0.0 0	No recovery			
22.0	24.0	0.0 0	Tan fine sand w/sandstone lumps Trace of shell			
24.0	26.5	0.0 0	Tan and gray fine sand. Some sandstone lumps			
26.5	29.5	0.0 0	Washed. No sample			

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DIVISION			2. LOCATION (Coordinates or Station)			
INSTALLATION			3. DRILLING AGENCY			
DRILLING LOG			5. NAME OF DRILLER			
4. HOLE NO. (As shown on drawing title and file No.)			7. THICKNESS OF OVERBURDEN			
6. DIRECTION OF HOLE			8. DEPTH DRILLED INTO ROCK		9. TOTAL DEPTH OF HOLE	
☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL						
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			14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER	
DISTURBED			UNDISTURBED		16. DATE HOLE	
					STARTED COMPLETED	
17. ELEV. TOP OF HOLE			18. TOTAL CORE RECOVERY FOR BORING (%)		19. SIGNATURE OF INSPECTOR	
-17.5 MLT						
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
29.5	31.5	0 0 0	Tan and gray fine sand w/sandstone lumps			Jars 6A & 6B
31.5	41.5	0 0 0	Washed - No recovery			
41.5	43.5	0 0 0	Tan and gray fine sand. Sandstone lumps			Jars 7A & 7B
		0 0 0	10 blows 41.5-42.5			
		0 0 0	21 blows 42.5-43.5			
43.5	53.5	0 0 0	Washed - No sample - some thin clay seems by 48			
53.5	55.5	0 0 0	Brown fine sand			Jars 8A & 8B
		0 0 0	15 blows 53.5-54.5			
		0 0 0	35 blows 54.5-55.5			
55.5	58.5	0 0 0	Washed - No sample, some clay seams			
58.5	60.6	0 0 0	Very stiff tan and gray clay			Cont. 15
		0 0 0	Calcareous nodules			4.0
		0 0 0	20 blows 58.5-59.5			
		0 0 0	32 blows 59.5-60.5			
		0 0 0	Bottomed at 60.5			
		0 0 0	Water depth 17.5			
		0 0 0	Hammer 670lb - 2 ft drop			

JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTENBERG LIMITS		SHRINKAGE %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU. FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	D ₁₀	LL	PL				
BSF-5	60-	43.0	0-0.94									
(cont)	383		0	94	6	-			0.0	21.2		T, Sa (SP)
	384		(Samples 60-383)				-			21.6		T, Sa (SP)
		45.0										
			Bottomed @ 45.0' in T, Sa (SP)									
BSF-6	60-	0.0										
			Gulf Water (Surface of Gulf floor 17.5' below water surface)									
		17.5	3-8-85									
	418		3	96	1				0.0	25.1		T, Sa (SP) w/ shell
		17.8										
	387		0	1	99	0.50	63.9		20.0	51.2	71.0	G, CI (CH), PI
		18.5										
	388		0	0	100	0.50	59.0	26.0	19.5	49.0	71.3	G, CI (CH), PI
		19.5										
	389		0	0	100	0.50	58.0		16.5	44.8	75.3	G, CI (CH), PI
		20.5										
	390		0	0	100	0.50	62.5	24.1	19.0	47.9	71.7	G, CI (CH), PI
		21.5										
	391		(Samples 60-390)				0.40			48.8	71.8	G, CI (CH), PI
		22.5										
	392		0	8	92	0.60	49.4		14.0	44.5	78.5	D, CI (CL), PI
		23.5										
	393		0	0	100	0.75	63.3		18.0	41.8	72.4	Br, CI (CH), PI
		24.5										
	394		(Same as 60-393)				0.70			40.1	78.9	Br, CI (CH), PI
		25.5	2-12-45									
	395		0	59	41	0.60			6.0	30.2	92.3	G, CI Sa (SC)
		26.5										
	396		0	67	33	1.00			2.0	27.6	98.0	G, Si Sa (SM)
		27.5										
	397		0	37	63	3.75	40.0		11.0	20.7	105.5	Br, Sa CI (CL), 1/2 St
		29.5										
	398		(Same as 60-397)				2.75			22.2	104.0	Br, Sa CI (CL), 1/2 St
		30.5										
	385		0	34	66	-	33.9		12.0	21.9		T, Sa CI (CL)
	386		(Samples 60-385)				-			22.2		T, Sa CI (CL)
		31.5										
	401		0	40	60	1.00	35.0		11.0	38.2	100.2	Br, Sa CI (CL), St
		32.5	0-0.79									
	402		0	79	21	0.50			0.0	20.6	105.0	Br, Si Sa (SM)
		33.5										

PORT MANUSFIELD

TEST DATA SUMMARY

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JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTERBERG LIMITS		SAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	D ₁₀	LL	PL				
157-6 (Cont)	60-399	33.5	0	72.5	28	-			2.5	24.0		T, SiSa (SM)
	400		(Same as 60-399)				-			23.5		T, SiSa (SM)
	403	35.5	0	78.5	22	-			2.5	23.4		T, SiSa (SM)
	404		(Same as 60-403)				-			27.2		T, SiSa (SM)
		37.5	No Sample				Drillers Classification					(Assumed to be SiSa)
	405	39.5	0	81.5	19	-				24.7		T, SiSa (SM)
	407	41.5	0	96.5	4	-			0.0	22.9		T, Sa (SP)
	408		(Same as 60-407)				-			23.6		T, Sa (SP)
		44.0	No Sample				Drillers Classification					(Assumed to be Sa)
	409	47.0	0	94.5	6	-			0.0	26.9		T, Sa (SP)
	410		(Same as 60-409)				-			24.6		T, Sa (SP)
		49.0	No Sample				Drillers Classification					(Assumed to be Sa)
	411	59.0	0	60.5	40	-			0.0	21.8		T, SiSa (SM)
	412		(Same as 60-411)				-			21.6		T, SiSa (SM)
		61.0	No Sample				Drillers Classification					(Assumed to be SiSa)
	413	71.0	0	61.5	39				2.0	29.9		T, SiSa (SM)
	414		(Same as 60-413)							31.0		T, SiSa (SM)
		73.0	No Sample				Drillers Classification					(Assumed to be SiSa)
	417	76.0	0	17	83	3.50	47.5		18.5	18.7	102.3	Bu-Ru, CI(CL), 1/2 ft
		78.1	Bottomed @ 78.1' in Bu-Ru, CI(CL) 1/2 ft.									