HOLE NO. 6ST-13

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

DRILLING LOG

1. PROJECT: Port Mansfield	SHEET OF
2. LOCATION (Coordinates or Station): Sta-15+00, ~~Elev. -50~~, 550' L of ℄	
3. DRILLING AGENCY: Brown & Root Marine Operators, Inc	
4. HOLE NO. (As shown on drawing title and file No.): 6ST-13	5. NAME OF DRILLER: Fower-Lewis
6. DIRECTION OF HOLE: ☐ VERTICAL ☐ INCLINED; DEGREES WITH VERTICAL	7. THICKNESS OF OVERBURDEN; 8. DEPTH DRILLED INTO ROCK; 9. TOTAL DEPTH OF HOLE: 64
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 / UNDISTURBED	14. TOTAL NO. CORE BOXES; 15. ELEV. GROUND WATER; 16. DATE HOLE: STARTED 18 Jan / COMPLETED 18 Jan 60
17. ELEV. TOP OF HOLE: -14.0 MLT (Est.)	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	2.0		Tan fine sand w/shell 15 blows 0-1' 25 blows 1-2'			Jars 1A & 1B	
2.0	4.0		Same as above 5 blows 2-3' 7 blows 3-4'			Jars 2A & 2B	
4.0	5.0		Soft gray clay	△	Shear	Cont. 1	0.2
5.0	6.0		Same as above	□	Consol	Cont. 2	0.3
6.0	7.0		Same as above			Cont. 3	0.3
7.0	8.0		S me as above			Cont. 4	0.3
8.0	9.0		Same as above	△	Shear	Cont. 5	0.5
9.0	10.0		Same as above. Trace of shell Trace of red	□	Consol	Cont. 6	0.6
10.0	11.0		Soft gray and red clay. Trace of shell			Cont. 7	0.5
11.0	12.0		Same as above			Cont. 8	0.6
12.0	13.0		Same as above	□	Consol	Cont. 9	0.7
13.0	14.0		Top same as above. Very sandy with shell at bottom			Cont. 10	
14.0	15.0		Gray slightly clayey fine sand Much shell			Jars 3A & 3B	
15.0	16.0		Intermixed gray clayey sand, shell tan clayey silt			Cont. 11	
16.0	17.0		Stiff gray and tan silty clay w/shell			Cont. 12	
17.0	18.0		Stiff gray and tan silty clay			Cont. 13	2.3
18.0	20.0		Very stiff gray and tan clay			Cont. 14	3.5
20.0	22.0		Very stiff tan clay 12 blows 20 to 21' 27 blows 21 to 22'			Cont. 15	3.7
22.0	24.0		Same as above 15 blows 22 to 23' 25 blows 23 to 24'			Cont. 16	3.3
24.0	26.0		Same as above. Trace silt. Some sand streaks at bottom			Cont. 17	3.3
26.0	28.0		Stiff tan clay. Some sand pockets 15 blows 26 to 27' 30 blows 27 to 28			Cont. 18	3.0

HOLE NO. 6ST-13

DEPARTMENT OF THE ARMY
DIVISION _____
INSTALLATION _____

DRILLING LOG

1. PROJECT: Port Mansfield			SHEET OF
2. LOCATION (Coordinates or Station): -15+00 550'L ℄			
3. DRILLING AGENCY: Brown & Root			
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: -14.0 MLT	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)	
28.0-	30.0		Very stiff tan and light gray clay 17 blows 28 to 29' 42 blows 29 to 30'			Cont. 19	3.9
30.0	32.0		Stiff tan clay w/sand pockets 12 blows 30 to 31' 29 blows 31 to 32'	☐	Cons/	Cont. 20	2.6
32.0	34.0		Very stiff tan silty clay w/sand pockets 17 blows 32 to 33' 27 blows 33 to 34'			Cont. 21	3.6
34.0	36.0		Stiff tan clay w/pockets fine brown sand 21 blows 34 to 35' 29 blows 35 to 36'			Cont. 22	3.0
36.0	46.0		Washed (fine brown sand)			No sample	
46.0	48.0		Fine brown sand 10 blows 46-47' 21 blows 47-48'			Jars 4A & 4B	
48.0	56.0		Washed (fine brown sand)			No sample	
56.0	58.0		Fine brown sand 10 blows 56-57' 20 blows 57-58			Jars 5A & 5B	
58.0	62.0		Washed (fine brown sand)			No sample	
62.0	64.0		Very stiff tan clay w/sand pockets 15 blows 62-63' 25 blows 63-64'			Cont. 23	3.75
			Water depth 14' Hammer 680 lb-2 ft drop Samples below 18' driven full 2' recovery only 1 to 1.5'				
			14' of water at 6:45 P.M. 15' of water at 11:30 P.M.				

PORT MANSFIELD

JETTY CONSTRUCTION

TEST DATA SUMMARY

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR EL. E.V. 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-12 (Cont)	60-447	40.5	~0	0	100	4.50	49.7		18.0	19.9	108.6	Ru, Cl(CL), Hd
	448	42.0	(Same as 60-449)			4.50				19.1	107.6	Ru, Cl (CH), Hd.
	449	43.5	0	0	100	4.50	52.4		19.0	20.8	105.1	Ru, Cl (CH), Hd.
		45.0										
			Bottomed @ 45.0' in Ru, Cl (CH), Hd.									
BST-13	60-	0.0	Gulf Water (Surface of Gulf floor 160' below water surface)									
	234	14.0	0	99	1	—			0.0	25.7	—	Br, Sa (SP)
	235		(Same as 60-234)							27.6	—	Br, Sa (SP)
	236	16.0	0	100	0	—			0.0	32.6	—	Br, Sa (SP)
	237		(Same as 60-236)			—				20.4	—	Br, Sa (SP)
	238	18.0	0	3	97	0.25	62.8	23.7	22.0	50.2	69.6	Br, Cl (CH), So
	239	19.0	0	1	99	0.25	51.9	28.8	18.0	45.8	72.1	Br, Cl (CH), So
	240	20.0	(Same as 60-239)			0.50				43.1	72.3	Br, Cl (CH), Pl
	241	21.0	0	1	99	0.50	54.6	24.3	16.0	42.6	74.5	Br, Cl (CH), Pl
	242	22.0	0	1	99	0.50	64.1	26.6	20.0	47.8	72.3	Br, Cl (CH), Pl
	243	23.0	(Same as 60-242)			0.75				40.8	77.6	Br, Cl (CH), Pl
	244	24.0	0	5	95	0.50	52.8	20.3	15.0	42.0	81.1	G, Cl (CH), Pl
	245	25.0	0	1	99	0.75	59.8		18.0	36.1	82.4	Br, Cl (CH), Pl
	246	26.0	(Same as 60-245)			0.75				33.4	87.0	Br, Cl (CH), Pl
	247	27.0	1	3-9-60 72	27	0.50			0.0	26.7	98.5	G, SiSa (SM), w/Shell
	248	28.0	1	33	66	1.50	37.9		11.0	24.3	99.7	Br-G, SaCl(CL), Sf
	249	29.0	5	4-11-60 75	20	—			0.0	21.6	—	G, SiSa (SM), w/Shell
	250		(Same as 60-249)			—				21.5	—	G, SiSa (SM) w/Shell
		30.0										

* - Laboratory Penetrometer Reading

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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 %	Qu *	ATTERBERG LIMITS LL	PL	BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BSF-13	60-	30.0										
(cont)	251		0	18	82	0.50	47.5		12.0	26.0	103.0	B-G, Cl (CL) Pl, w/shell
		31.0										
	252		0	15	85	2.75	44.0		14.0	25.9	98.3	Bu, Cl (CL), v/st.
		32.0										
	253		0	3	97	3.25	49.5		18.0	20.6	110.2	Ru, Cl (CL), v/st.
		34.0										
	254		0	2	98	3.50	51.5		19.0	19.2	107.7	Ru, Cl (CH), v/st.
		36.0										
	255		(Same as 60-254)			3.75				21.0	106.5	Ru, Cl (CH), v/st
		38.0										
	256		(Same as 60-254)			3.50				20.9	106.4	Ru, Cl (CH), v/st
		40.0										
	257		0	6	94	3.25	41.5		14.0	22.5	104.8	Ru, Cl (CL), v/st
		42.0										
	258		(Same as 60-257)			3.75				20.8	107.5	Ru, Cl (CL), v/st
		44.0										
	259		0	11	89	4.50	46.0	20.7	16.0	20.3	108.7	Ru, Cl (CL), Hd.
		46.0										
	260		(Same as 60-259)			4.00				21.1	108.4	Ru, Cl (CL), Hd.
		48.0										
	261		0	6	94	3.50	39.0		14.0	22.6	103.4	Ru, Cl (CL), v/st
		50.0										
	-		No Sample Drillers Classification									Br, Sa (SP)
		60.0	0-1-95									
	262		0	94	6	-			0.0	20.8	-	Br, Sa (SP)
	263		(Same as 60-262)			-				19.7	-	Br, Sa (SP)
		62.0										
	-		No Sample Drillers Classification									Br, Sa (SP)
		70.0										
	264		(Same as 60-265)			-				20.0	-	Br, Sa (SP)
			0-0-95									
	265		0	95	5	-			0.0	19.7	-	Br, Sa (SP)
		72.0										
	-		No Sample Drillers Classification									Br, Sa (SP)
		76.0										
	266		0	25	75	4.50	31.7		10.0	20.4	104.1	Br, Sa Cl (CL), Hd
		78.0										
			Bottomed @ 78.0' in Br, Sa Cl (CL) Hd.									
BSF-14	60-	0.0										
			Gulf Water (Surface of Gulf floor 16.0' below water surface)									
		16.0	2-3-95									
	321		0	100	0				0.0	23.5	-	Br, Sa (SP)
	322		(Same as 60-321)							22.5	-	Br, Sa (SP)
		18.0										

* - Laboratory Penetrometer Readings

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