HOLE NO. 6ST-5

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-8+00, Elev. [redacted], 450' R of ℄	
	3. DRILLING AGENCY Brown & Root Marine Operators Inc	
4. HOLE NO. (As shown on drawing title and file No.) 6ST-5	5. NAME OF DRILLER Fowler-Lewis-Perkins	

6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE 34.0
☐ 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
Shelby Tube		

13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		14. TOTAL NO. CORE BOXES	15. ELEV. GROUND WATER	16. DATE HOLE	
DISTURBED	UNDISTURBED			STARTED 22 Jan	COMPLETED 22 Jan 60

17. ELEV. TOP OF HOLE	18. TOTAL CORE RECOVERY FOR BORING (%)	19. SIGNATURE OF INSPECTOR
-11.0 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)		
0.0	2.0		Tan fine sand 2 blows 0-1' 3 blows 1-2'			Jars 1A & 1B		
2.0	4.0		Tan fine sand w/shell. More shell at 3' 9 blows 3-4'			Jars 2A & 2B		
-17.0	5.5							
4.0	6.0		Shell w/tan fine sand. Clay at 5.5' 1 blow 4-5' 2 blows 5-6'			Jars 3A & 3B		
6.0	7.0		Soft gray silty clay, sand pockets			Cont. 1	0.7	0.5
7.0	8.0		Soft gray silty clay			Cont. 2 △	0.7	0.5
8.0	9.0		Soft gray clay. Trace of red			Cont. 3 ☐	0.7	0.5
9.0	10.0		Same as above			Cont. 4	0.7	
10.0	11.0		Same as above			Cont. 5	0.7	
11.0	12.0		Same as above			Cont. 6	0.6	
12.0	13.0		Same as above. More red at 13			Cont. 7	0.8	
13.0	14.0		Same as above			Cont. 8	0.8	
14.0	15.0		Same as above. Very sandy w/ shell at 15			Cont. 9		
-26.5	15.0							
15.0	16.0		Gray very sandy clay w/shell			Cont. 10		
-27.5								
16.0	17.0		Gray clayey sand and shell. Some tan clayey silt			Cont. 11		
17.0	18.0		Same as above. More clayey silt Calcareous			Cont. 12		
18.0	19.0		Gray clayey sand, shell and tan clayey silt, calcareous			Cont. 13		
30.5	19.0							
19.0	20.0		Same as above. More clayey silt			Cont. 14		
20.0	22.0		Tan clayey silt. Trace of shell Hard and calcareous			Cont. 15	4.5+	
22.0	24.0		Hard tan and light gray clay. calcareous			Cont. 16	4.5+	
24.0	26.0		Same as above			Cont. 17	4.5+	
-38.5	27.0							
26.0	28.0		Same as above, very sandy at 27 Sand 27-28 35 blows 26-27 50 blows 27-28 26 blows			Cont. 18	4.5+	

HOLE NO. 6ST-5

DEPARTMENT OF THE ARMY DIVISION _____ INSTALLATION _____ DRILLING LOG	1. PROJECT Port Mansfield	SHEET OF
	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			7. THICKNESS OF OVER-BURDEN	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	16. DATE HOLE	
DISTURBED	UNDISTURBED		22 Jan	STARTED	COMPLETED 22 Jan 60

17. ELEV. TOP OF HOLE -11.0 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		No recovery 15 blows 28-29 25 blows 29-30			
30.0	32.0		Gray and tan fine sand 12 blows 30-31' 21 blows 31-32'			Jars 4A & 4B
32.0	34.0		Same as above 10 blows 32-33' 20 blows 33-34'			Jars 5A & 5B
			Bottomed at 34.0 in above Water depth 11' Hammer 670 lb 2' drop			

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
6ST-4 (cont)	60-465	23.5	(Same as 60-464)			0.75				35.2	85.9	G, Cl (CH), Pl
	466	24.5	0	3	97	0.75	54.4		19.5	34.9	83.0	Br, Cl (CH), Pl
	467	25.5	0	4-7-50 61	39	0.50			5.0	23.8	95.5	Br, Cl Sa (SC)
	468	26.5	(Same as 60-469)			0.50				23.5	—	G, Si Sa (SM)
	469	27.5	5	6-12-37 55	40	0.75			0.5	22.0	104.6	G, Si Sa (SM)
	470	28.5	2	38	60	1.25	33.0		7.0	25.3	102.2	G, Sa Cl (CL), St.
	471	29.5	(Same as 60-470)			1.50				36.7	90.6	G, Sa Cl (CL), St.
	472	30.5	0	6	94	4.50+	46.2		17.0	22.4	105.2	Bu, Cl (CL), Hd.
	473	32.5	(Same as 60-474)			—				20.9		Br, Si Sa (SM)
	474		0	0-0-54 54	46	—			0.0	20.5		Br, Si Sa (SM)
	475	33.5	(Same as 60-476)			1.75				20.2	108.6	Ru, Cl (CL), St.
	476	34.5	0	2	98	3.00	39.0		13.0	21.4	107.2	Ru, Cl (CL) V/St.
	477	36.5	(Same as 60-478)			4.50+				21.5	108.6	Ru, Cl (CL), Hd.
	478	38.5	0	1	99	4.50+	49.9		16.0	21.0	107.8	Ru, Cl (CL), Hd.
		40.5										
			Bottomed @ 40.5' in Ru, Cl (CL), Hd									
6ST-5	60-	0.0	Gulf Water (Surface of Gulf floor 11.0' below water surface)									
	357	11.0	0	0-2-98 100	0	—			0.0	28.2		T, Sa (SP)
	358	13.0	(Same as 60-357)			—				25.3		T, Sa (SP)
	359		6	5-8-81 94	0	—			0.0	24.9		T, Sa (SP) w/shell
	360	15.0	(Same as 60-359)			—				21.4		T, Sa (SP) w/shell
	361		19	0-19-24 24-32-24 80	1	—			0.0	21.0		T, Shelly Sa. (SP)
	362	16.5	(Same as 60-361)			—				61.8		T, Shelly Sa (SP)

★ - Laboratory Penetrometer Readings

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 %	D_{10}	ATTERBERG LIMITS LL	PL	BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
6ST-5	60-	16.5										
(cont)	—		No Sample (Drillers Classification)									T, Sa (SP) w/shell
		17.0										
	363		(Same as 60-364)			0.50				50.8	70.3	G, Cl (CH), Pl
		18.0										
	364		0	0	100	0.50	58.2	22.5	19.0	44.8	72.5	G, Cl (CH), Pl
		19.0										
	365		0	0	100	0.50	58.5	24.0	18.0	44.2	74.9	G, Cl (CH), Pl
		20.0										
	366		0	0	100	0.70	62.0		20.0	47.1	73.8	G, Cl (CH), Pl
		21.0										
	367		(Same as 60-368)			0.65				45.5	73.9	Br, Cl (CH) Pl
		22.0										
	368		0	0	100	0.65	63.4		19.0	42.1	77.3	Br, Cl (CH), Pl
		23.0										
	369		(Same as 60-370)			0.65				40.7	80.5	G, Cl (CL) Pl
		24.0										
	370		0	7	93	0.75	45.8		12.0	35.6	83.8	G, Cl (CL), Pl
		25.0										
	371		(Same as 60-372)			0.75				39.7	82.2	Br, Cl Sa (SC)
		26.0	4-5-4									
	372		3	50*	47	0.75			7.0	26.7	95.7	Br, Cl Sa (SC)
		27.0	2-6-5									
	373		0	65*	35	1.80			2.5	23.1	102.4	G, Cl Sa (SC)
		28.0										
	374		(Same as 60-375)			1.25				19.7	107.6	G, Sa Cl (CL), St, calc
		29.0										
	375		4	24	72	2.50	34.9		10.0	19.6	108.0	G, Sa Cl (CL), v/st, calc.
		30.0										
	376		1	20	79	1.50	34.3		12.0	20.5	104.8	G, Sa Cl (CL), St, calc.
		31.0										
	—		No Sample Drillers Classification									Rw, Cl (CH)
		32.0										
	377		(Same as 60-378)			4.00				17.8	111.0	Rw, Cl (CH), Hd.
		33.0										
	378		0	3	97	4.50+	55.3		20.0	19.9	111.3	Rw, Cl (CH), Hd
		35.0										
	379		(Same as 60-380)			4.50+				18.1	112.9	Rw, Cl (CL), Hd
		37.0										
	380		0	4	96	4.00	46.4		18.0	23.3	104.6	Rw, Cl (CL), Hd.
		39.0										
	—		No Sample No Drillers Classification									(Assumed lake Sa)
		41.0	0-0-90									
	381		0	90	10	—			0.0	27.3		T, Si Sa (SP-SM)
	382		(Same as 60-381)			—				26.8		T, Si Sa (SP-SM)
		43.0										

*- Laboratory Penetrometer Reading

DLR 817

GD FORM 23 AUG. 56 053-R

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 %	D_{10}	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BST-5 (cont)	60-383	43.0	0	0-0-94 94	6	—			0.0	21.2		T, Sa (SP)
	384	45.0	(Same as 60-383)			—				21.6		T, Sa (SP)
			Bottomed @ 45.0' in T, Sa (SP)									
BST-6	60-	0.0	Gulf Water (Surface of Gulf Floor 17.5' below water surface)									
	418	17.5	3	3-8-85 96	1				0.0	25.1		T, Sa (SP) w/shell
	387	17.8	0	1	99	0.50	63.9		20.0	51.2	71.0	G, Cl (CH), Pl
	388	18.5	0	0	100	0.50	59.0	26.0	19.5	49.0	71.3	G, Cl (CH), Pl
	389	19.5	0	0	100	0.50	58.0		16.5	44.8	75.3	G, Cl (CH), Pl
	390	20.5	0	0	100	0.50	62.5	24.1	19.0	47.9	71.7	G, Cl (CH), Pl
	391	21.5	(Same as 60-390)			0.40				48.8	71.8	G, Cl (CH), Pl
	392	22.5	0	8	92	0.60	49.4		14.0	44.5	78.5	D, Cl (CL), Pl
	393	23.5	0	0	100	0.75	63.3		18.0	41.8	77.4	Br, Cl (CH), Pl
	394	24.5	(Same as 60-393)			0.70				40.1	78.9	Br, Cl (CH), Pl
	395	25.5	0	2-12-45 59	41	0.60			6.0	30.21	92.3	G, Cl Sa (SC)
	396	26.5	0	67	33	1.00			2.0	27.6	98.0	G, Si Sa (SM)
	397	27.5	0	37	63	3.75	40.0		11.0	20.7	105.5	Bu, Sa Cl (CL), v/st
	398	29.5	(Same as 60-397)			2.75				22.2	104.0	Bu, Sa Cl (CL), v/st.
	385	30.5	0	34	66	—	33.9		12.0	21.9		T, Sa Cl (CL)
	386		(Same as 60-385)			—				22.2		T, Sa Cl (CL)
	401	31.5	0	40	60	1.00	35.0		11.0	28.2	100.2	Br, Sa Cl (CL), st.
	402	32.5	0	0-0-79 79	21	0.50			0.0	20.6	105.0	Br, Si Sa (SM)
		33.5										