HOLE NO. 6ST-8

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

DRILLING LOG

1. PROJECT	Port Mansfield
SHEET OF	
2. LOCATION (Coordinates or Station)	Station 2+50 550' Lt of ℄
3. DRILLING AGENCY	National Soil Services
4. HOLE NO. (As shown on drawing title and file No.)	6ST-8
5. NAME OF DRILLER	B. E. Beltz
6. DIRECTION OF HOLE	[X] VERTICAL [ ] INCLINED; DEGREES WITH VERTICAL
7. THICKNESS OF OVER-BURDEN	
8. DEPTH DRILLED INTO ROCK	
9. TOTAL DEPTH OF HOLE	43.0
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 8 Jars; UNDISTURBED 16 cont.
14. TOTAL NO. CORE BOXES	
15. ELEV. GROUND WATER	0.95
16. DATE HOLE	STARTED 9 Dec 59; COMPLETED 9 Dec 59
17. ELEV. TOP OF HOLE	+4.75
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	0.5		Sand, fine, medium dense w/shell			No sample	
0.5	1.0		Sand, fine, medium dense w/shell			Jars 1A & 1B	
1.0	2.0		Sand, fine, medium dense w/shell			No sample	
2.0	3.5		Sand, fine, medium dense w/shell w/gray and brown clay lumps			Jars 2A & 2B	
3.5	8.0		Gray sand, fine medium dense to dense w/shell			No sample	
8.0	9.5		Gray sand, fine medium dense to dense w/shell			Jars 3A & 3B	
9.5	11.0		Gray sand, fine medium dense to dense w/shell			No sample	
11.0	12.5		Brown to gray clay, soft			Cont. 1	0.08
12.5	14.0		Brown to gray clay, soft			Jar	0.24
14.0	15.5		Brown to gray clay firm			Cont. 2	0.16
15.5	17.0		Brown to gray clay firm w/silty clay seams @ 15.5'			Cont. 3	0.48
17.0	18.5		Brown to gray clay, firm, dense w/sand and clay 17.0 to 20.0			Cont. 4	0.24
18.5	20.0		Brown to gray clay, firm, dense w/sand and clay 17.0 to 20.0			Cont. 5	0.19
20.0	21.5		Blue gray clay, soft, w/silty clay seam @ 20.0			Cont. 6	0.16
21.5	23.0		Blue gray clay, soft w/silty clay seam @ 22.0' and sand lense @ 22.5'			Cont. 7	0.08
23.0	24.5		Blue gray clay, soft			Cont. 8	0.08
24.5	26.0		Blue gray clay, soft			Cont. 9	0.08
26.0	27.5		Blue gray clay, soft w/sand pockets			Cont. 10	0.08
27.5	29.0		Blue gray clay, soft w/sand pockets Sand, shell and clay mixed @ 28.0'			Cont. 11	0.08
29.0	30.5		Blue gray clay soft w/sand pockets			Cont. 12	0.08
30.5	32.0		Gray sand fine, loose, w/shell and brown clay lumps			Cont. 13	
32.0	33.5		Blue gray clay, stiff, w/shell and sand pockets			Cont. 14	0.48

HOLE NO. 6ST-8

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			STARTED 9 Dec 59	COMPLETED 9 Dec 59

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)
33.5	35.0		Blue gray clay, stiff w/shell and sand pockets			Cont. 15 0.48
35.0	40.0	*	Assumed to be same as above Blue gray clay, stiff w/shell and sand pockets			No sample
40.0	41.5		Gray to tan clay v/stiff			Cont. 18 **
41.5	42.0	*	Assumed to be same as above Gray to tan clay v/stiff			No sample
42.0	43.0		Gray to tan, clay v/stiff			Jar

No drillers log to cover these depths
Depths taken from containers and classification made in laboratory

Container numbers marked on sample received

NOTE: This log reconstructed from sketch log submitted by National Soil Services. Depths of samples taken from log and depths indicated on samples received.

Penetrometer results shown are estimated shearing strengths in Tons/Sq.Ft. $\frac{\sigma_1 - \sigma_3}{2}$ as supplied on National Soil Services Log.

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 %	★	ATTERBERG LIMITS LL	PL	BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
1ST-7	60-	42.0	0-0-92									
(cont)	148		0	92	8	-				23.4	-	Br, Sa (SP)
			0-0-92									
	149		0	92	8	-				23.8	-	Br, Sa (SP)
		44.0										
	-		No Sample			Driller's Classification						Br, Sa (SP)
		46.0	0-1-98									
	150		0	93	7	-				25.3	-	Br, Sa (SP)
			1-1-88									
	151		0	90	10	-				25.6		Br, Sa (SP)
		48.0										
	-		No Sample			Driller's Classification						Br, Sa (SP)
		50.0	3-2-91									
	152		0	96	4	-				22.4		Br, Sa (SP)
			0-5-90									
	153		0	95	5	-				26.1		Br, Sa (SP)
		52.0										
			Bottomed @ 52.0' in Br, Sa (SP)									
1ST-8	59-	0.0	0-1-94									
	3817		0	95	5	-			0.0	5.1	-	G, Sa (SP)
	3818		(Same as 59-3817)			-				5.1	-	G, Sa (SP)
		1.0										
	-		No Sample (Driller's Classification)									G, Sa (SP)
		2.0										
	3819		1	16	83	-	56.2		21.0	41.6	-	G, Cl (CH)
	3820		(Same as 59-3819)			-				29.9	-	G, Cl (CH)
		3.5										
	-		No Sample (Driller's Classification									G, Sa (SP)
		8.0	0-0-95									
	3821		0	95	5	-			0.0	24.4	-	G, Sa (SP)
			3-0-84									
	3822		0	87	13	-			0.0	23.0	-	G, Si Sa (SP-SM)
		9.5										
	-		No Sample			Driller's Classification						G, Si Sa (SP-SM)
		11.0										
	3823		0	4	96	0.25	38.4		9.5	32.5	88.9	T, Cl (CL), Sa
		12.5										
	3824A		0	0	100	-	40.8		10.0	33.2	-	G, Cl (CL)
	3824B		(Same as 59-3824A)			-				32.9	-	G, Cl (CL)
		14.0										
	3825		0	0	100	1.25	57.7		19.0	33.6	87.6	T, Cl (CH), St.
		15.5										

★- Laboratory Penetrometer Readings

DLB-817

ED FORM 23 AUG. 66 053-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 %	Q* %	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
SST-8	59-	15.5										
(cont)	3826		0	0	100	1.50	51.4		17.0	36.4	83.2	G, Cl (CH), St.
		17.0										
	3827		0	3	97	0.75	40.4		13.0	35.2	88.5	T-G, Cl (CL), Pl.
		18.5										
	3828		0	0	100	0.75	50.1		19.0	43.4	77.5	T-G, Cl (CH) Pl
		20.0										
	3829		(Same as 59-3830)			0.75				50.3	71.7	G, Cl (CH) Pl
		21.5										
	3830		0	0	100	0.75	67.2			51.7	71.7	G, Cl (CH), Pl
		23.0										
	3831		(Same as 59-3830)			0.50				48.5	72.7	G, Cl (CH) Pl
		24.5										
	3832		(Same as 59-3833)			0.50				41.6	76.1	G, Cl (CH), Pl
		26.0										
	3833		0	0	100	0.50	57.8		16.0	50.2	71.4	G, Cl (CH), Pl
		27.5										
	3834		0	23	77	0.75	34.0		6.0	33.4	83.1	G, Sa Cl (CL), Pl
		29.0										
	3835		(Same as 59-3834)			0.75				36.5	88.1	G, Sa Cl (CL), Pl
		30.5	5-8-67									
	3836		0	80	20	0.75			0.0	22.1	–	G, Si Sa (SM)
		32.0										
	3837		0	42	58	2.00	36.4		12.0	26.5	96.4	G, Sa Cl (CL) v/st.
		33.5										
	3838		(Same as 59-3837)			1.00				22.8	101.5	G, Sa Cl (CL) v/st.
		35.0										
	–		No Sample or Drillers Log Received (Assumed same as above)									
		40.0										
	3839		0	1	99	3.00	31.9		5.0	24.1	101.1	G-T, Cl (CL), v/st.
		41.5										
	–		No Sample or Drillers Log Received (Assumed same as above)									
		42.0										
	3840		0	5	95	–	49.8		16.0	24.1	–	G-T, Cl (CL)
		43.0										
			Bottomed @ 43.0' in G-T, Cl (CL)									
SST-9	59-	0.0	0-0-100									
	3727		0	100	0	–			0.0	9.9	–	T, Sa (SP)
		0.5										
	–		No Sample Driller's Classification									G, Sa (SP)
		4.5	1-2-97									
	3728		0	100	0	–			0.0	25.9	–	G, Sa (SP)
		5.0										
	–		No Sample Driller's Classification									G, Sa (SP)
		8.5										

* - Laboratory Penetrometer Readings

DLR 817

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