

HOLE NO. 6ST-12

DEPARTMENT OF THE ARMY

DIVISION Southwestern DivisionINSTALLATION Galv Dist, Eng Div

DRILLING LOG

4. HOLE NO. (As shown on drawing title and file No.)

6ST-12

6. DIRECTION OF HOLE

☐ VERTICAL☐ INCLINEDDEGREES WITH
VERTICAL

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
BOXES15. ELEV.
GROUND
WATER

16. DATE HOLE

STARTED
20 JanCOMPLETED
20 Jan 60

17. ELEV. TOP OF HOLE

-8.5

18. TOTAL CORE RECOVERY FOR
BORING (%)

19. SIGNATURE OF INSPECTOR

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0	2.0	000 000 000 000 000	Tan fine sand w/shell 7 blows 0-1 10 blows 1-2			Jars 1A & 1B
2.0	4.0	000 000 000 000 000	Same as above 13 blows 2-3 17 blows 3-4			Jars 2A & 2B
4.0	6.0	000 000 000 000 000	Same as above, more shell 7 blows 4-5' 4 blows 5-6'			Jars 3A & 3B
-14.5	6.0	000 000 000 000 000				
6.0	7.0	000 000 000 000 000	Soft gray clay. Trace red. Some shell			Cont. 1 0.5
7.0	8.0	000 000 000 000 000	Same as above			Cont. 2 Δ Shallow 0.5
8.0	9.0	000 000 000 000 000	Same as above			Cont. 3 0.6
9.0	10.0	000 000 000 000 000	Same as above			Cont. 4 $\square$ Counsel 0.5
10.0	11.0	000 000 000 000 000	Same as above			Cont. 5 0.6
11.0	12.0	000 000 000 000 000	Same as above			Cont. 6 0.7
12.0	13.0	000 000 000 000 000	Same as above			Cont. 7 0.6
13.0	14.0	000 000 000 000 000	Same as above			Cont. 8 0.7
14.0	15.0	000 000 000 000 000	Same as above			Cont. 9 0.8
15.0	16.0	000 000 000 000 000	Same as above			Cont. 10 1.0
16.0	17.0	000 000 000 000 000	Same as above			Cont. 11 0.7
17.0	18.0	000 000 000 000 000	Top same as above. Very sandy w/shell at bottom			Cont. 12 0.8
-26.5	18.0	000 000 000 000 000				
18.0	19.0	000 000 000 000 000	Gray sand and shell. Slightly clayey			Cont. 13
19.0	20.0	000 000 000 000 000	Same as above			Cont. 14
20.0	21.0	000 000 000 000 000	Gray sand and shell. Slightly clayey Mixed w/tan clay, stiff			Cont. 15
21.0	22.0	000 000 000 000 000	Same as above			Cont. 16
-30.5	22.0	000 000 000 000 000				
22.0	24.0	000 000 000 000 000	Stiff tan and gray clay			Cont. 17 2.5
24.0	25.5	000 000 000 000 000	Same as above, vertical hole filled w/soft gray clay			Cont. 18 4.1
25.5	27.0	000 000 000 000 000	Very stiff tan and gray clay Calcareous nodules 50 blows 26-27'			Cont. 19 4.5
27.0	29.0	000 000 000 000 000	Stiff tan and gray clay. Trace of silt 10 blows 27-28			Cont. 20 2.9

HOLE NO.6ST-12

DEPARTMENT OF THE ARMY			1. PROJECT Port Mansfield		SHEET OF	
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.)						
6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN		8. DEPTH DRILLED INTO ROCK	
☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL					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			14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER	
DISTURBED UNDISTURBED					16. DATE HOLE STARTED COMPLETED	
17. ELEV. TOP OF HOLE -8.5 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)
29.0	30.5		Very stiff tan and gray clay 19 blows 29-30			Cont. 21 4.5
30.5	32.0		Very stiff tan and gray clay 25 blows 30.5-31.5			Cont. 22 4.5
32.0	33.5		Same as above, silt pockets 21 blows 32-33			Cont. 23 4.5
33.5	35.0		Very stiff tan and gray clay 22 blows 33.5 to 34.5			Cont. 24 4.5
35.0	36.5		Same as above 23 blows 35-36			Cont. 25 4.5
-45.0			Bottomed at 36.5 Water depth 8.5' Hammer 670 lb - 2 ft drop			

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 %	DL %	LL	PL				
6ST-11	59-	26.5										
(cont)	3765	28.0	0	1	99	0.75	68.1		21.0	47.6	75.1	G, CI (CH), PI
	3766	29.5	(Same as 59-3765)				0.50			41.0	80.3	G, CI (CH), PI
	3767	31.0	(Same as 59-3765)				0.25			24.8	101.3	G, CI (CH), SO
	3768	32.0	4	37	59	0.75	31.8		7.0	25.1	100.2	G, SA CI (CL), PI
	3769	34.0	(Same as 59-3768)				0.75			24.7	98.6	G, SA CI (CL), PI
	3770	35.5	0	4	96	-	52.9		21.0	31.2	-	L, CI (CH)
	3771	36.5	0	2	98	-	55.4		19.0	24.1	-	L, CI (CH)
	3893	37.5	0	2	98	3.00	42.4		16.0	22.3	107.9	R, CI (CL) v/st
	3772	38.5	0	1	99	2.25	45.7	19.5	14.0	22.3	104.4	R, CI (CL) v/st
	3773	39.5	0	6	94	1.75	40.5		13.0	25.5	98.6	R, CI (CL), st
	3774	40.5	(Same as 59-3773)				1.75			21.5	106.1	R, CI (CL), st
	-	41.5	No Sample Drillers Classification									R, CI (CL)
	3775	42.0	0	0	100	4.50	45.1		15.5	21.7	105.8	R, CI (CL), Hd.
	3776	43.0	(Same as 59-3775)				4.50			19.6	110.4	R, CI (CL), Hd.
	3777	43.5	0	7	93	4.00	35.9		11.5	19.4	109.2	R, CI (CL), Hd.
			Bottomed @ 43.5' in R, CI (CL) Hd.									
6ST-12	60-	0.0	Gulf Water (Surface of Gulf Floor 8.5' below water surface)									
	419	8.5	(Same as 60-420)				0.3-9.5			26.4		Br, Sa (SP)
	420	10.5	0	98	2				0.0	28.6		Br, Sa (SP)
	421		(Same as 60-420)							30.0		Br, Sa (SP)
	422	12.5	(Same as 60-420)							27.2		Br, Sa (SP)

* - Laboratory Penetrometer Readings

DLR 817

JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTERBERG LIMITS		BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	DL %	LL	PL				
65F-12	60-	12.5		1-5-93								
Cont	423		1	99	0				0.0	23.3		Br, Sa (SP)
	424		(Same as 60-423)							20.5		Br, Sa (SP)
		14.5										
	425		0	28	72	0.25	43.1		15.0	39.8	76.6	G, Sa CI (CL), PI
		15.5										
	426		0	1	99	0.50	58.0	21.9	20.0	52.9	69.8	G, CI (CH), PI
		16.5										
	427		(Same as 60-426)				0.50			43.0	75.4	G, CI (CH), PI
		17.5										
	428		0	0	100	0.50	60.5	23.7	20.5	45.9	73.1	G, CI (CH), PI
		18.5										
	429		(Same as 60-428)				0.50			47.0	73.7	G, CI (CH), PI
		19.5										
	430		(Same as 60-431)				0.50			44.0	75.8	G, CI (CH), PI
		20.5										
	431		0	0	100	0.25	57.2		19.5	44.2	77.9	G, CI (CH), So
		21.5										
	432		(Same as 60-431)				0.65			45.6	76.2	G, CI (CH), PI
		22.5										
	433		(Same as 60-434)				0.65			44.4	79.5	G, CI (CL), PI
		23.5										
	434		0	8	92	0.65	40.6		12.0	38.0	82.2	G, CI (CL), PI
		24.5										
	435		(Same as 60-436)				0.75			35.6	81.1	Br, CI (CH), PI
		25.5										
	436		0	2	98	0.75	58.6		20.0	34.2	87.8	Br, CI (CH), PI
		26.5										
	437		2	78	20	0.50			0.0	22.0	104.4	G, Si Sa (SM), w/shell
		27.5										
	438		(Same as 60-437)				0.50			22.5	-	G, Si Sa (SM), w/shell
		28.5										
	439		4	26	70	0.50	48.6		13.0	27.8	95.9	G, Sa CI (CL), PI
		29.5										
	440		0	12	88	-	44.5		16.5	28.8	-	Ru, CI (CL),
		30.5										
	441		(Same as 60-442)				2.75			24.1	100.0	Ru, CI (CL), v/st
		32.5										
	442		0	6	94	3.25	49.6		17.0	24.1	102.9	Ru, CI (CL), v/st
		34.0										
	443		(Same as 60-442)				4.00			16.9	110.9	Ru, CI (CL), Hd
		35.5										
	444		1	2	97	2.00	34.4		12.0	21.4	105.4	Ru, CI (CL), st
		37.5										
	445		(Same as 60-444)				3.50			22.1	107.5	Ru, CI (CL), v/st
		39.0										
	446		(Same as 60-447)				4.50			19.2	107.3	Ru, CI (CL), Hd
		40.5										

*- Laboratory Penetrometer Readings

DLR B12

TEST DATA SUMMARY

JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTERBERG LIMITS		SHRINKAGE %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU. FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	PI %	LL	PL				
6ST-12 (cont)	60-447	40.5	0	0	100	4.50	49.7		18.0	19.9	108.6	R _h , CI (CL), Hd
	448	43.0	(Samples 60-449)				4.50			19.1	107.6	R _h , CI (CH), Hd.
	449	43.5	0	0	100	4.50	52.4		19.0	20.8	105.1	R _h , CI (CH), Hd.
		45.0										
			Bottomed @ 45.0' in R _h , CI (CH), Hd.									
6ST-13	60-234	0.0	Gulf Water (Surface of Gulf floor 140' below water surface)									
		14.0	1-4-94									
	234		0	99	1	-			0.0	25.7	-	Br, Sa (SP)
	235		(Samples 60-234)							27.6	-	Br, Sa (SP)
		16.0	1-10-89									
	236		0	100	0	-			0.0	32.6	-	Br, Sa (SP)
	237		(Samples 60-236)				-			20.4	-	Br, Sa (SP)
		18.0										
	238		0	3	97	0.25	62.9	23.7	22.0	50.2	69.6	Br, CI (CH), So
		19.0										
	239		0	1	99	0.25	51.9	28.8	19.0	45.8	72.1	Br, CI (CH), So
		20.0										
	240		(Samples 60-239)				0.50			43.1	72.3	Br, CI (CH), PI
		21.0										
	241		0	1	99	0.50	54.6	24.3	16.0	42.6	74.5	Br, CI (CH), PI
		22.0										
	242		0	1	99	0.50	64.1	26.6	20.0	47.8	72.3	Br, CI (CH), PI
		23.0										
	243		(Samples 60-242)				0.75			40.8	77.6	Br, CI (CH), PI
		24.0										
	244		0	5	95	0.50	52.8	20.3	15.0	42.0	81.1	G, CI (CH), PI
		25.0										
	245		0	1	99	0.75	59.8		18.0	36.1	82.4	Br, CI (CH), PI
		26.0										
	246		(Samples 60-245)				0.75			33.4	87.0	Br, CI (CH), PI
		27.0	3-9-60									
	247		1	72	27	0.50			0.0	26.7	98.5	G, SiSa (SM), w/shell
		28.0										
	248		1	33	66	1.50	37.9		11.0	24.3	99.7	Br-G, SaCI (CL), St.
		29.0	4-11-60									
	249		5	75	20	-			0.0	21.6	-	G, SiSa (SM), w/shell
		30.0	(Samples 60-249)				-			21.5	-	G, SiSa (SM), w/shell

* - Laboratory Penetrometer Reading

DLR 817