Hole No. 3ST-312

DRILLING LOG	DIVISION Southwestern	INSTALLATION Galv Dist, Eng Div	SHEET OF SHEETS

1. PROJECT Sabine Neches Waterway	10. SIZE AND TYPE OF BIT
2. LOCATION (Coordinates or Station)	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
3. DRILLING AGENCY Dept of the Army, GD, Corps of Engineers	12. MANUFACTURER'S DESIGNATION OF DRILL
4. HOLE NO. (As shown on drawing title and file number) 3ST-312	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN — DISTURBED 1 Jar — UNDISTURBED 28 Cont
5. NAME OF DRILLER Black	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	15. ELEVATION GROUND WATER
	16. DATE HOLE — STARTED 10 May — COMPLETED 10 May 1967
7. THICKNESS OF OVERBURDEN	17. ELEVATION TOP OF HOLE
8. DEPTH DRILLED INTO ROCK	18. TOTAL CORE RECOVERY FOR BORING %
9. TOTAL DEPTH OF HOLE 60.0	19. SIGNATURE OF INSPECTOR

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
0.0	2.0		Brown sandy clay, org, stiff			Cont. 1	1.50
2.0	4.0		Brown sandy clay, tr nods v/stiff			Cont. 2	2.00
4.0	6.0		Brown clay, tr sand and cal nods, stiff			Cont. 3	1.00
6.0	8.0		Same as above, medium			Cont. 4	0.50
8.0	10.0		Gray and brown silty sand,soft			Cont. 5	0.25
10.0	12.0		Gray clay, medium			Cont. 6	0.50
12.0	14.0		Gray clay, stiff			Cont. 7	1.00
14.0	16.0		Gray clay, stiff			Cont. 8	1.75
16.0	18.0		Brown clay w/cal nods,v/stiff			Cont. 9	2.00
18.0	20.0		Same as above, v/stiff			Cont. 10	2.25
20.0	22.0		Brown clay, tr sand and cal nods, v/stiff			Cont. 11	2.25
22.0	24.0		Brown sandy clay, sand increased w/depth, cal nods, v/stiff			Cont. 12	3.00-0.50
24.0	26.0		Brown silty sand, med			Cont. 13	0.50
26.0	28.0		Brown sand, tr of clay layers 26.0-26.5 No count 26.5-27.0 13 blows 27.0-27.5 15 blows 27.5-28.0 No count			Jar 1	
28.0	30.0		Same as above			No sample	
30.0	32.0		Brown clay, w/silty sand layers, med			Cont. 14	0.50
32.0	34.0		Gray clay w/silt layers, stiff			Cont. 15	1.00
34.0	36.0		Same as above, stiff			Cont. 16	1.50
36.0	38.0		Same as above, stiff			Cont. 17	1.50
38.0	40.0		Same as above, medium			Cont. 18	0.75
40.0	42.0		Same as above, medium			Cont. 19	0.75
42.0	44.0		Same as above, stiff			Cont. 20	1.00
44.0	46.0		Gray clay w/few silt layers stiff			Cont. 21	1.50
46.0	48.0		Same as above, stiff			Cont. 22	1.25
			continued				

DRILLING LOG

DIVISION	
INSTALLATION	
SHEET	OF SHEETS
1. PROJECT	Sabine Neches Waterway
2. LOCATION *(Coordinates or Station)*	
3. DRILLING AGENCY	
4. HOLE NO. *(As shown on drawing title and file number)*	
5. NAME OF DRILLER	
6. DIRECTION OF HOLE	☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	
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 NUMBER CORE BOXES	
15. ELEVATION GROUND WATER	
16. DATE HOLE	STARTED / COMPLETED
17. ELEVATION TOP OF HOLE	
18. TOTAL CORE RECOVERY FOR BORING	%
19. SIGNATURE OF INSPECTOR	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS *(Description)* d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS *(Drilling time, water loss, depth of weathering, etc., if significant)* g	
48.0	50.0		Same as above, stiff			Cont. 23	1.25
50.0	52.0		Gray clay, tr silt seams, med			Cont. 24	0.75
52.0	54.0		Same as above, stiff			Cont. 25	1.00
54.0	56.0		Gray clay, stiff			Cont. 26	1.50
56.0	58.0		Gray clay w/layer of (?) stiff			Cont. 27	1.50
58.0	60.0		Gray clay, stiff			Cont. 28	1.50
			BOTTOMED				

SWG Form 267(C)
28 Jan 1965

PROJECT: Sabine Neches Waterway.

LOCATION:

TEST DATA SUMMARY

BORING NO. 357-312

DATE DRILLED 10 May 1967

BOTTOM AT 60'

WATER AT 7.9'

CLASSIFICATION

ELEVATION TOP BORING

FIELD NO.	DEPTH	CLASSIFICATION	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY P. c. f.	L.L.	P.L.	BAR L.S.	SIEVE ANALYSIS PERCENT GRVL	SAND	FINES	INIT. WT.	ACC. WT. RTND. SIEVE NO. (3) NO. 4	NO. 10	NO. 40	NO. 200
C-1	0-2	Brown sandy clay 0-2	CL	ST	1.75		18	[illegible]	40		8.0	0	18	82	50	0	0	1	9
C-2	2-4	Brown clay 2-8	CH	ST	1.5		23	98			21.0	0	4	96	50	0	0	1	2
C-3	4-6			ST	1.5		28	92											
C-4	6-8			ST	1.0		31	90											
C-5	8-10	Gray silty sand 8-10	SM	M	0.75		21	Disturbed			11.0	0	58	42	50	0	0	0	22
C-6	10-12	Gray, Brown clay 10-22	CH	M	0.75		29	93											
C-7	12-14			ST	1.0		29	93											
C-8	14-16			M	0.75		32	94			23.0	0	8	92	50	0	0	0	4
C-9	16-18	Cal Mods 16-24		VST	2.75		21	107											
C-10	18-20			VST	2.0		31	95											
C-11	20-22			VST	3.5		19	111											
C-12	22-24	Brown sandy clay 22-24	CL	ST	1.75		19	111			7.0	0	32	68	50	0	1	2	16
C-13	24-26	Brown silty sand 24-	SM	S	0.25		20	Disturbed			0.0	0	68	32	50	0	0	0	34
J-1	26-28	30		VD		28	23	—											
X	28-30							—											
C-14	30-32	Brown clay 30-32	CL	ST	1.0		28	96	43		11.0	0	2	98	50	0	0	0	1
C-15	32-34	Gray clay 32-60	CH	ST	1.75		37	87			23.0	0	0	100	50	0	0	0	0
C-16	34-36			ST	1.0		32	89											
C-17	36-38			ST	1.0		35	89											
C-18	38-40			M	0.75		36	86											
C-19	40-42	Too small to test		ST	1.5		36	85											
C-20	42-44			ST	1.0		35	84			20.0	0	0	100	50	0	0	0	0
C-21	44-46			ST	1.0		35	87											
C-22	46-48			ST	1.0		39	83											
C-23	48-50			ST	1.25		44	79											
C-24	50-52			ST	1.0		42	78											
C-25	52-54			ST	1.25		47	75			23.0	0	0	100	50	0	0	0	0
C-26	54-56			ST	1.25		50	107											
C-27	56-58	Sand layer 56-58		ST	1.25		50	71											
C-28	58-60			ST	1.25		52	68											

KEY: CONSISTENCY — COHESIVE SOILS: VS Very Soft, S Soft, M Medium, ST Stiff, VST Very Stiff, H Hard. CONSISTENCY — COHESIONLESS SOILS: VL Very Loose, L Loose, M Medium, D Dense, VD Very Dense.

(1) Tons/Sq.Ft. Unconfined Compressive Strength
(2) Split Barrel Sampler
(3) Acc. Wt. Rtnd ÷ Init. Wt. x 100 = % Rtnd.

BORING NO. 357-312