HOLE No. 6ST-4

DRILLING LOG	DIVISION Southwestern	INSTALLATION Galv Dist, Eng Div	SHEET 1 OF 4 SHEETS

1. PROJECT Wallisville Reservoir	10. SIZE AND TYPE OF BIT Shelby Tube 6"
2. LOCATION (Coordinates or Station) Wallisville, Texas	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
3. DRILLING AGENCY U. S. Army Corps of Engineers	12. MANUFACTURER'S DESIGNATION OF DRILL
4. HOLE NO. (As shown on drawing title and file number) 6ST-4	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 9 Jars; UNDISTURBED 44 Conts.
5. NAME OF DRILLER Cannon; Y= 743,400; X= 3,353,530	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	15. ELEVATION GROUND WATER
	16. DATE HOLE: STARTED 20 Apr 64; COMPLETED 20 May 64
7. THICKNESS OF OVERBURDEN	17. ELEVATION TOP OF HOLE +1.6'
8. DEPTH DRILLED INTO ROCK	18. TOTAL CORE RECOVERY FOR BORING %
9. TOTAL DEPTH OF HOLE 125.5	19. SIGNATURE OF INSPECTOR

~~ELEVATION~~ ~~DEPTH~~ 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		Dark grey clay w/roots, med			Cont. 1	.75
2.0	4.0		No recovery, same as below			No sample	
4.0	6.0		Grey sand w/clay 4.0 to 4.5 seat pent. 4.5 to 5.0 2 blows 5.0 to 5.6 1 blow 5.6 to 6.0 no count			Jar 1	
6.0	8.0		No recovery, same as above			No sample	
8.0	9.5		Gray clayey sand - fine grained w/small shell frag. 8.0 to 8.5 no blows 8.5 to 9.0 3 blows 9.0 to 9.5 3 blows			Jar 2	
9.5	10.0		No count				
10.0	12.0		No blows - penetrated w/weight of 2 rods & sampler gray sand w/clay trace of fine shell			Jar 3	
12.0	15.0		Washed away, same as above			No sample	
15.0	16.0		No recovery 15.0 to 15.5 no blows 15.5 to 16.0 1 blow 16.0 to 16.5 2 blows 16.5 to 17.0 no blows Same as above			No sample	
16.0	17.0		No recovery			No sample	
17.0	19.0		17.0 to 17.5 no blows 17.5 to 18.0 1 blow 18.0 to 18.5 1 blow 18.5 to 19.0 no blows Sandy clay w/small shell frag, v/soft cl			Jar 4	
19.0	21.0		Dark gray sandy clay w/shell frag. (CL), med			Cont. 2	.50
21.0	23.0		Dark gray sandy clay w/small shell frag. (CL), med			Cont. 3	.50
23.0	25.0		Dark gray sandy clay w/small shell frag, med			Cont. 4	.50
25.0	27.0		Dark gray shade clay, med			Cont. 5	.75
27.0	29.0		Dark gray clay w/sand pockets (CH), stiff			Cont. 6	1.25
29.0	31.0		Gray clay (CH), stiff			Cont. 7	1.75
31.0	33.0		Gray sandy clay (CL), v/stiff			Cont. 8	2.50

DRILLING LOG	DIVISION Southwestern	INSTALLATION Galv Dist, Eng Div	SHEET 2 OF 4 SHEETS

1. PROJECT Wallisville Reservoir	10. SIZE AND TYPE OF BIT Shelby Tube 6"
2. LOCATION (Coordinates or Station)	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
3. DRILLING AGENCY	12. MANUFACTURER'S DESIGNATION OF DRILL
4. HOLE NO. (As shown on drawing title and file number)	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED / UNDISTURBED
5. NAME OF DRILLER	14. TOTAL NUMBER CORE BOXES
	15. ELEVATION GROUND WATER
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	16. DATE HOLE: STARTED / COMPLETED
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	19. SIGNATURE OF INSPECTOR

~~ELEVATION~~ Depth 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
33.0	35.0		Gray sandy clay, v/stiff 34.5-35.0 Gray sand stiff			Top 2.75 Cont. 9 Bot. 1.50
35.0	37.0		Gray & tan sandy clay w/small cal. nods, crumbly, silty (CL), stiff			Cont. 10 1.00
37.0	39.0		Same as above, med			Cont. 11 .75
39.0	41.0		Tan sand fine w/clay, loose			Jar 5
41.0	44.0		Washed away, no sample			No sample
44.0	46.0		44.0 to 44.5 no blows 44.5 to 45.0 9 blows 45.0 to 45.5 12 blows 45.5 to 46.0 no blows 1.0 of small shells w/cal nods 1.0 of coarse sand & gravels			Jar 6
46.0	49.0		Washed away, same as above			No sample
49.0	51.0		Coarse sand & small gravel w/small shell frag. 49.0 to 49.5 no blows 49.5 to 50.0 19 blows 50.0 to 50.5 22 blows 50.5 to 51.0 no blows			Jar 7
51.0	52.0		Washed away same as above			No sample
52.0	54.0		Stopped washing at 52.0			Jar 8
54.0	56.0		Br & gray clay (CL), w/cal nod, v/stiff			Cont. 12 3.0
56.0	58.0		Same as above, no recovery			
58.0	60.0		Same as above, v/stiff			Cont. 13 3.0
60.0	62.0		Light tan & gray clay, v/stiff CH			Cont. 14 3.75
62.0	64.0		Tan & gray clay w/shell & cal nod, v/stiff cl			Top 3.00 Cont. 15 Bot. 1.00
64.0	66.0		Tan & gray clay w/cal nod, v/stiff CH			Cont. 16 3.50
66.0	68.0		Gray & tan sandy clay w/cal nod (CL) v/stiff			Cont. 17 2.00
68.0	70.0		Same as above, v/stiff			Cont. 18 3.00
70.0	72.0		Tan & gray silty clay w/cal nod CL, hard			Cont. 19 4.00/
72.0	74.0		Tan & gray silt w/clay w/shell frag., cal nod, hard			Cont. 20 4.00/

F No. 6ST-4 (contd)

DRILLING LOG	DIVISION Southwestern	INSTALLATION Galv Dist, Eng Div	SHEET 3 OF 4 SHEETS

1. PROJECT Wallisville Reservoir Houston Ship Channel	10. SIZE AND TYPE OF BIT Shelby Tube 6"
2. LOCATION (Coordinates or Station)	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
3. DRILLING AGENCY	12. MANUFACTURER'S DESIGNATION OF DRILL
4. HOLE NO. (As shown on drawing title and file number)	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN — DISTURBED — UNDISTURBED
5. NAME OF DRILLER	14. TOTAL NUMBER CORE BOXES
	15. ELEVATION GROUND WATER
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	16. DATE HOLE — STARTED — COMPLETED
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	19. SIGNATURE OF INSPECTOR

~~ELEVATION~~ Depth b	~~DEPTH~~	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	
74.0	76.0		Tan & gray silty clay w/cal nod, CH, v/stiff			Cont. 21	3.75
76.0	78.0		Tan sandy silty clay w/cal nod (CL), v/stiff			Cont. 22	2.00
78.0	80.0		Tan gray silty clay cl, hard			Cont. 23	4.00
80.0	82.0		Tan silty clay w/cal nod, v/stiff			Cont. 24	2.00
82.0	84.0		Light gray clay w/cal nod, hard			Cont. 25	4.00
84.0	85.0		Same as above			Cont. 26	4.00
85.0	86.0		Silt w/clay, stiff			Cont. 26	1.50
86.0	87.0		Silt w/clay light tan, v/stiff			Cont. 27	2.75
87.0	88.0		Tan silty clay, hard			Cont. 27	4.00
88.0	90.0		Light tan clay, hard CH			Cont. 28	4.00
90.0	92.0		Brown clay CH, hard			Cont. 29	4.00
92.0	94.0		Gray clay w/cal nod, CH, hard			Cont. 30	4.00
94.0	96.0		Gray clay w/cal nod CH, hard			Cont. 31	4.00
96.0	98.0		Tan silty cl, hard			Cont. 32	4.00
98.0	100.0		Tan clay w/cal nod, CH, stiff			Cont. 33	3.00
100.0	102.0		Tan & gray sandy clay w/cal nod CL , hard			Cont. 34	4.00
102.0	104.0		Washed away, same as below			No sample	
104.0	106.0		Fine tan sand w/cal nod 104.0 to 104.5 no count 104.5 to 105.0 65 blows 105.0 to 105.5 35 blows 105.5 to 106.0 no count			Jar 9	
106.0	107.0		Washed away, same as above			No sample	
107.0	109.0		Tan clay w/cal nod, hard CH			Cont. 35	4.00
109.0	111.0		Tan clay w/cal nod, CH, hard			Cont. 36	4.00
111.0	113.0		Same as above, CH, hard			Cont. 37	4.00
113.0	115.0		Same as above			Cont. 38	4.00
115.0	117.0		Brown clay w/cal nod CH, hard			Cont. 39	4.00
117.0	119.0		Dark gray clay CH, hard			Cont. 40	4.25

DRILLING LOG	DIVISION Southwestern	INSTALLATION Galv Dist, Eng Div	SHEET 4 OF 4 SHEETS

1. PROJECT Wallisville Reservoir	10. SIZE AND TYPE OF BIT Shelby Tube 6"
2. LOCATION (Coordinates or Station)	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
3. DRILLING AGENCY	12. MANUFACTURER'S DESIGNATION OF DRILL
4. HOLE NO. (As shown on drawing title and file number)	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED / UNDISTURBED
5. NAME OF DRILLER	14. TOTAL NUMBER CORE BOXES
	15. ELEVATION GROUND WATER
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	16. DATE HOLE: STARTED / COMPLETED
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	19. SIGNATURE OF INSPECTOR

~~ELEVATION~~ Depth 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	
119.0	121.0		Dark gray clay w/sand layers, v/stiff			Cont. 41	2.50
121.0	122.0		Same as above			Cont. 42	
122.0	122.5		Same as above, v/stiff			Cont. 42	3.50
122.5	124.0		Same as above, CL, v/stiff			Cont. 43	2.75
124.0	125.5		Same as above, v/stiff			Cont. 44	3.00
			Bottomed @ 125.5				

Pilot Hole for VS Test Loc #4

Hole No.

DRILLING LOG

DIVISION	Southwestern
INSTALLATION	Galv Dist, Eng Div
SHEET	OF SHEETS
1. PROJECT	Wallisville Reservoir
2. LOCATION (Coordinates or Station)	
3. DRILLING AGENCY	Dept of the Army, GD, Corps of Engineers
4. HOLE NO. (As shown on drawing title and file number)	Pilot Hole for VS Test Loc #4
5. NAME OF DRILLER	Curtis
6. DIRECTION OF HOLE	☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN	
8. DEPTH DRILLED INTO ROCK	
9. TOTAL DEPTH OF HOLE	32.0
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 22 June / COMPLETED 22 June 1967
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	
0.0	2.0		Gray sandy clay w/org. mat. grass roots, soft			No. S.	0.25
2.0	4.0		Gray sandy clay w/grass roots, v/soft			No. S.	0.0
4.0	6.0		Gray fine sand, w/shell w/trace of clay, v/soft			No. S.	0.0
6.0	8.0		Same as above				
8.0	10.0		Same as above				
10.0	12.0		Gray sandy clay w/rotten wood, v/soft			No. S.	
12.0	14.0		Gray clay sand fine w/large shell			No. S	
14.0	16.0		Gray sandy clay w/shell frag, v/soft			No. S	0.0
16.0	18.0		Same as above, soft			No. S.	0.25
18.0	20.0		Gray clay w/tr sand, shell v/soft			No. sample	0.0
20.0	22.0		Gray clay w/sand layer, shell v/soft			No. sample	0.0
22.0	24.0		Gray clay w/sand pockets, shell soft			No. S.	0.25
24.0	26.0		Gray clay w/sand pockets soft			No. S.	0.25
26.0	28.0		Same as above, soft			No. S.	0.25
28.0	30.0		Gray clay, med			No. S.	0.75
30.0	32.0		Gray clay, stiff			No. S.	1.00
			BOTTOMED				

Hole No. V.S.Test Loc

DRILLING LOG	DIVISION Southwestern	INSTALLATION Galv Dist, Eng Div	SHEET 6ST-4 OF SHEETS

1. PROJECT Wallisville Reservoir	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 Engrs	12. MANUFACTURER'S DESIGNATION OF DRILL
4. HOLE NO. (As shown on drawing title and file number) V.S.Test Loc 6ST-4	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN — DISTURBED 16 Jars — UNDISTURBED
5. NAME OF DRILLER Curtis	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	15. ELEVATION GROUND WATER
	16. DATE HOLE — STARTED 23 June — COMPLETED 27 June 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 32.0	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			Gray sandy clay w/grass roots, and org. mat.			Test, 1Ft. Jar 1
			Gray sandy clay w/grass roots, v/soft			VS Test 3 Ft. Jar 2
			Gray sand w/small tr of clay			VS Test, 5FT Jar 3
			Same as above			No VS Test Run Jar 4
			Same as above			No VS Test Run Jar 5
			Gray sandy clay w/org. mat.			VS Test, 11Ft Jar 6
			Gray clay sand w/shell			VS Test,13 Ft Jar 7
			Gray sandy clay w/shell frag			VS Test,15 Ft Jar 8
			Gray sandy clay,			VS Test,17Ft Jar 9
			Gray sandy clay w/large shell			VS Test, 19Ft Jar 10
			Gray sandy clay, v/soft w/shell frag			VS Test,21 Ft Jar 11
			Gray clay w/shell frag Tr of sand, soft			VS Test,23 Ft Jar 12
			Gray clay w/sand pockets w/shell frag, soft			VS Test,25 Ft Jar 13
			Gray sandy clay, stiff			VS Test, 27 Ft Jar 14
			Gray sandy clay, stiff			VS Test,29Ft Jar 15
			Gray clay, stiff			VS Test,31 Ft Jar 16