SWG Form 267(C)
28 Jan 1965

PROJECT: Brazos River Comprehensive Study

LOCATION:

TEST DATA SUMMARY

BORING NO. 3st-3

DATE DRILLED

FIELD NO.	DEPTH	CLASSIFICATION ELEVATION TOP BORING	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
J-1	0-0.5	Brown sandy Clay 0-17 (CH)	CH				13.7												
J-2	0.5-2.5						14.0		52	(W)		0	16	84	50	0	0	0	8
X	2.5-5																		
C-1	5-7.5		CH	VST	3.0		26.4	97											
X	7.5-10																		
C-2	10-12.5	21 V/Stiff		VST	2.75		30.2	91	72	(W)	21.5	0	2	98	50	0	0	0	1
X	12.5-14																		
X	14-15										1.57								
C-3	15-17			VST	2.5		21.4	93											
X	17-20	Brown silty sand 17-25 (SM)	SM																
J-3	20-22	22 WT					24.5				1.5	0	62	38	50	0	0	0	31
X	22-25																		
C-4	25-27.5	Brown Clay (CH) 25-35'	CH	~~VST~~ ST	~~2.5~~ 1.75		26.1	97			19.0	0	0	100	50	~~0~~	~~0~~	~~0~~	~~0~~
X	27.5-30																		
C-5	30-32.5	28 Medium to Stiff		M	0.75		29.0	96											
X	32.5-35																		
J-4	35-37.5	Brown sandy Clayey silt (35-37.5 MC)	CL				22.7				3.0	0	36	64	50	0	0	0	18
X	37.5-40	D.C. Brown sand																	
J-5	40-42	Brown silty sand (SM) 42	SM				25.4				0.0	0	78	22	50	0	0	0	30
X	42-45	D.C. Brown sand																	
J-6	45-47	Brown Clayey sandy Gravel	GC				27.2												
X	47-50	45-51.5 (GC)																	
J-7	50-51.5						20.1		55	(d)	15.5	40	20	40	657	260	331	342	394
C-6	51.5-52.5	Brown Gravelly sandy Clayey silt (51.5-55)	CL	VST	3.0	11 V/St	17.4	119			3.0	10	24	66	50	5	8	10	17
C-7	52.5-55	Brown Clay (52.5-55)	CH	VST	2.75	16 V/St	86.3	98			20.0	0	2	98	50	0	0	0	1
C-8	55-57	Brown Sandy Clay (55-60)	CL	H	4.5		15.3	118	39	(W)	12.5	0	16	84	50	0	0	0	8
X	57-60				13	Hard													
C-9	60-62.5	Brown Clay (60-80)	CH	H	4.5		19.0	110											
X	62.5-65	22 Hard																	
C-10	65-67.5	Cal Nod 65-67.5		H	4.5		22.0	106											

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. 3st-3

SWG Form 267(C)
28 Jan 1965

PROJECT: Brazos River Comprehensive Study

BORING NO. 3st-3

TEST DATA SUMMARY

LOCATION:

DATE DRILLED

FIELD NO.	DEPTH	CLASSIFICATION ELEVATION TOP BORING	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
X	67.5-70		CH																
C-11	70-72.5			H	4.5		22.9	102			21.0	0	10	90	50	0	0	0	5
X	72.5-75																		
C-12	75-77.5			H	4.5		25.0	99											
X	77.5-80																		
C-13	80-82	Brown clayey sand 80-90 (SC)	SC	H	4.5		14.7	120			6.0	0	56	44	50	0	0	0	28
X	82-85																		
C-14	85-87.5	13V1 Stiff to Hard		VST	2.25		11.1	120											
X	87.5-90																		
C-15	90-92	Brown silty sand 90-98 (SM)	SM	ST	1.5		24.3	104			0.5	0	74	26	50	0	0	0	37
X	92-93																		
J-2	96-97						17.6				1.0	0	76	24	50	0	0	6	38
X	97-98																		
C-16	98-100	Brown sandy clay w/cal Nod 98-100 (CH)	CH	H	4.5		24.3	100			19.0	0	18	82	50	0	1	3	9
		water 22.0																	
		24 hrs																	

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. 3st-3

Hole No. 3ST-3

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

1. PROJECT Brazos River Comprehensive Report	10. SIZE AND TYPE OF BIT
2. LOCATION (Coordinates or Station) Angleton to Lake Jackson	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) 3ST-3	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN — DISTURBED: — UNDISTURBED: 15 Cont
5. NAME OF DRILLER Smith	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED ____ DEG. FROM VERT.	15. ELEVATION GROUND WATER
	16. DATE HOLE — STARTED: 30 Nov — COMPLETED: 30 Nov 1965
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 30.0	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 clay, hard			Cont. 1	4.50/
2.0	4.0		Brown gray clay, hard			Cont. 2	4.50/
4.0	6.0		Same as above, hard			Cont. 3	4.50/
6.0	8.0		Gray clay w/cal nod, hard			Cont. 4	4.50/
8.0	10.0		Gray clay, hard			Cont. 5	4.50/
10.0	12.0		Gray silty clay w/cal nod v/stiff			Cont. 6	3.50
12.0	14.0		Brown clay w/cal nod, hard			Cont. 7	4.50
14.0	16.0		Brown clay w/silt and cal nod pockets, v/stiff			Cont. 8	3.50
16.0	18.0		Brown clay w/cal nod, v/stiff			Cont. 9	3.00
18.0	20.0		Gray clay w/silt cal nod and org. mat. v/stiff			Cont. 10	3.25
20.0	22.0		Gray clay sand w/cal nod hard			Cont. 11	4.50
22.0	24.0		Brown gray clay sand w/cal nod, hard			Cont. 12	4.50
24.0	26.0		Brown sandy clay w/cal nod hard			Cont. 13	4.25
26.0	28.0		Brown clay w/silt seams and cal nod, hard			Cont. 14	4.50
28.0	30.0		Brown clay w/silt layers hard			Cont. 15	4.50
			BOTTOMED				
			Water table ~~later~~ 10.4'				

Hole No. 3ST-3

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

1. PROJECT Brazos River Comprehensive Study	10. SIZE AND TYPE OF BIT
2. LOCATION (Coordinates or Station) Austin County	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-3	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN — DISTURBED 8 Jars — UNDISTURBED 16 Cont
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 2 June — COMPLETED 3 June 1966
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 100.00	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	0.5		Brown sandy clay			Jar 1
0.5	2.5		Brown sandy clay w/silt			Jar 2
2.5	5.0		Same as above			No sample
5.0	7.5		Brown clay, v/stiff			Cont. 1 3.00
7.5	10.0		Same as above			No sample
10.0	12.5		Brown clay, v/stiff			Cont. 2 3.25
12.5	14.0		Same as above			No sample
14.0	15.0		Same as below			No sample
15.0	17.0		Gray brown clay w/sand v/stiff			Cont. 3 2.00
17.0	20.0		Same as below			No sample
20.0	22.0		Brown clayey sand			Jar 3
22.0	25.0		Washed, same as above			No sample
25.0	27.5		Brown clay w/silt layers, stiff			Cont. 4 1.75
27.5	30.0		Washed			No sample
30.0	32.5		Brown silty sand and clay layered, medium			Cont. 5 0.75
32.5	35.0		Washed, same as above			No sample
35.0	37.5		Brown sand w/thin clay layers			Jar 4
37.5	40.0		Washed, brown sand			No sample
40.0	42.0		Brown sand 40.0-40.5 Seat pent 40.5-41.0 12 blows 41.0-41.5 10 blows 41.5-42.0 Retain sample			Jar 5
42.0	45.0		Washed, brown sand			No sample
45.0	47.0		Gray to brown sandy clay w/gravel 45.0-45.5 Seat pent 45.5-46.0 5 blows 46.0-46.5 10 blows 46.5-47.0 Retain sample			Jar 6
47.0	50.0		Washed, same as above			No sample
50.0	51.5		Brown gravelly clay continued			Jar 7

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PROJECT Brazos River Comp Study, Austin County — HOLE NO. 3ST-3

Hole No. 3ST-3(Cont'd)

DRILLING LOG

DIVISION	INSTALLATION	SHEET OF SHEETS

1. PROJECT: Brazos River Comprehensive Study
2. LOCATION (Coordinates or Station): Austin County
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	
51.5	52.5		Brown sandy gravelly clay w/siltstone, hard			Cont. 6	4.50+
52.5	55.0		Brown clay w/siltstone v/stiff			Cont. 7	3.00
55.0	57.0		Brown sandy clay, hard			Cont. 8	4.50+
57.0	60.0		Washed, same as above w/layer of siltstone			No sample	
60.0	62.5		Brown clay w/sand w/sandstone hard			Cont. 9	4.50+
62.5	65.0		Fishtail, brown clay w/sand			No sample	
65.0	67.5		Brown clay w/tr sand w/cal nod, hard	Brown Sandy Clay w/ Stiff to Hard w/ Sandstone		Cont. 10	4.50+
67.5	70.0		Fishtail, brown gray sandy clay			No sample	
70.0	72.5		Gray sandy clay, hard			Cont. 11	4.50+
72.5	75.0		Fishtail, brown gray clay			No sample	
75.0	77.5		Brown clay w/sand, hard			Cont. 12	4.50+
77.5	80.0		Fishtail, brown sandy clay			No sample	
80.0	82.0		Brown sandy clay, hard			Cont. 13	4.50+
82.0	85.0		Fishtail same as above			No sample	
85.0	87.5		Brown sandy clay, v/stiff			Cont. 14	3.00
87.5	90.0		Washed, same as above			No sample	
90.0	92.0		Brown clayey sand	Brown Clayey Sand		Cont. 15	
92.0	93.0		Washed, same as above			No sample	
93.0	97.0		Brown sand w/tr clay w/sandstone	Brown Sand w/ Sandstone		Jar 8	
97.0	98.0		Washed, same as above			No sample	
98.0	100.0		Brown sandy clay w/sand layers w/cal nod, hard			Cont. 16	4.50
			BOTTOMED				
			Water seepage 22.0'				

SWG Form 267(C)
28 Jan 1965

PROJECT: Brazos River Comprehensive Report

LOCATION: Angleton to Lake Jackson

TEST DATA SUMMARY

BORING NO. 35T-3

DATE DRILLED 30 NOV 1965

FIELD NO.	DEPTH	CLASSIFICATION ELEVATION TOP BORING _____	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 clay, w/cal Nod 0-2	CH	H	4.5		22.2	101											
C-2	2-4	✡		H	4.5														
C-3	4-6	Gray clay, w/cal Nod 4-8	CH	H	4.5		18.7	106											
C-4	6-8			H	4.5		20.8	104	62		25.0	0	4	96	50	0	0	0	2
C-5	8-10	✡		H	4.5														
C-6	10-12	✡		VST	3.5														
C-7	12-14	Brown clay, w/cal Nod 12-16	CH	VST	3.0		23.0	102											
C-8	14-16			VST	2.0		19.9	100											
C-9	16-18	✡		VST	3.0														
C-10	18-20	✡		VST	3.25														
C-11	20-22	Gray clay, w/cal Nod 20-22	CH	VST	3.0		13.4	120											
C-12	22-24	✡		H	4.5														
C-13	24-26	✡		H	4.25														
C-14	26-28	Brown clay 26-30	CH	VST	3.0		20.4	106											
C-15	28-30	Cal Nod 26-28		VST	3.5														
		water @ 10.4'																	
		✡ sent to SWD Lab																	

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. 35T-3