

BORING LOG
FIELD DATA

Project HOUSTON SHIP CHANNEL Location STATION 15+000 200' LEFT Date 30 MAY 1972
Drill Rig ARCO 550 HD Inspector LANGFORD Operator ECK Surface elev Tide +2.3 1300
Levee District GALVESTON Job No. _____ Boring No. 72-54

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
	30 MAY 1972	0.0	9.5								WATER DEPTH 1520 HOURS
1		9.5		9.5	13.0	9.5	13.0	3" SHELBY TUBE	JAR		GRAY CLAY CY SAND WITH SHELL
2				13.0	15.0	13.0	15.0		JAR		
			18.0	15.0	18.0			FISHTAIL			WASHED
3		18.0	21.0	18.0	20.0	18.8	20.0	3" SHELBY TUBE	TUBE	0.0	GRAY SANDY CLAY, VERY SOFT,
4		21.0		20.0	22.0	20.8	22.0		TUBE	3.00	BROWN, GRAY CLAY WITH SHELLS,
			25.0	22.0	25.0			FISHTAIL	-	-	VERY STIFF.
5		25.0		25.0	27.0	25.8	27.0	3" SHELBY TUBE	TUBE	2.25	BROWN, GRAY CLAY, VERY STIFF,
				27.0	30.0			FISHTAIL			WASHED
6				30.0	32.0	30.8	32.0	3" SHELBY TUBE	TUBE	4.5+	HARD
				32.0	35.0			FISHTAIL			WASHED
7				35.0	37.0	35.8	37.0	3" SHELBY TUBE	TUBE	3.50	WITH SAND POCKETS AND ORGANIC
											MATERIAL, VERY STIFF.
				37.0	40.0			FISHTAIL			WASHED
8				40.0	42.0	40.8	42.0	3" SHELBY TUBE	TUBE	1.25	STIFF
				42.0	45.0			FISHTAIL			WASHED
9				45.0	47.0	45.8	47.0	3" SHELBY TUBE	TUBE	2.25	WITH SILT AND SAND SEAMS VERY STIFF

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SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
				47.0	50.0			FISHTAIL			WASHED
10				50.0	52.0	50.8	52.0	3" SHELBY TUBE	TUBE	3.25	
				52.0	55.0			FISHTAIL			WASHED
11				55.0	57.0	55.8	57.0	3" SHELBY TUBE	TUBE	4.00	WITH CALCAREOUS MATERIAL
				57.0	60.0			FISHTAIL			WASHED
12		62.0		60.0	62.0	60.8	62.0	3" SHELBY TUBE	TUBE	1.75	WITH SILT AND SAND POCKETS, STIFF
											TOTAL DEPTH 62.0'
											NO/WATER TABLE/AT _____
											WEIGHT OF HAMMER <u>140 #</u>
											DROP DISTANCE <u>30"</u>

SWC FORM 201
12 July 1971

PROJECT: HOUSTON SHIP CHANNEL

LOCATION:

GDLR NO. 1401

BORING NO. 72-54

TEST DATA SUMMARY

DATE COMPLETED 30 May 1972

FIELD NO.	Sample Depth, Feet		CLASSIFICATION	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY P. c. f.	L.L.	P.L.	Lab Sample No.	BAR L.S.	SIEVE ANALYSIS							
	From	To												PERCENT			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)			
														GRVL	SAND	FINES		NO. 4	NO. 10	NO. 40	NO. 200
	ELEVATION TOP BORING																				
1J	9.5	13.0	Water 0'-9.5'																		
2J	13.0	15.0	Gray Silty Sand w/ shell 9.5'-13'	SM				27				1869	1	4	50	46	50	2	3	4	27
3C	18.8	20.0	Gray Sandy Clay w/ shell 13'-21'	CL				36				1870									
4C	20.8	22.0	Brown Clay w/ calcareous nodules 21'-25'		S	0.25		42	79	14		1871		0	40	60	50	0	0	0	20
5C	25.8	27.0	Brown Sandy Clay 25'-50'		VST	3.00		29	95			1872									
6C	30.8	32.0	Brown Sandy Clay 25'-50'		VST	2.50		29	95			1873									
7C	35.8	37.0	silt & sand seams 4.5'-47'		H	4.50		16	116	32		1874		0	26	74	50	0	0	0	13
8C	40.8	42.0			VST	3.25		19	111			1875									
9C	45.8	47.0			VST	2.00		18	110	33		1876		0	46	54	50	0	0	0	23
10C	50.8	52.0			VST	2.00		27	97			1877									
11C	55.8	57.0	Gray Clay w/ silt & sand seams 50'-55'	CH	VST	3.25		30	95			1878									
12C	60.8	62.0	Gray/Brn Sandy Clay w/ calcareous nodules 55'-60'		H	4.25		18	114	10		1879		0	20	80	50	0	1	2	10
			Brown Sandy Clay 60'-62'	CL	VST	2.75		19	111	20		1880		0	20	80	50	0	0	0	10

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

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

BORING NO. 72-54

Bottomed at 62.0' Water at +9.5 Tide Reading +2.3 @ 1300

Sheet 1 of sheets 1