

BORING LOG FIELD DATA

Project HOUSTON SHIP CHANNEL Location STA 75+000 400' LEFT Date 5-24-72
 Drill Rig ARCO SSO HD Inspector MINOR Operator SMITH Surface elev TIDE +2.2
 Levee District GALVESTON Job No. _____ Boring No. 72-42

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
	5-24-72	0.0	12.1								WATER
1				12.1	16.0	12.1	14.1	3" SHELBY TUBE	JAR		DARK GRAY SANDY SILTY CLAY WITH SHELL DEBRIS. WEIGHT KELLY ROD TUBE PENETRATED. PENETRATION BROKE AT 16.0
2	5-24-72			16.0	18.5	17.3	18.5	3" SHELBY TUBE	CONT		LUMP ORGANIC MATERIAL. PENET- RATION WITH KELLY 1 1/2 RODS TUBE.
				18.5	20.0						WASHED
3	5-24-72			20.0	25.0	22.8	24.0	3" SHELBY TUBE	CONT	0.00	MISSED FIRST TRY. ABOVE WEIGHT FELL TO 25.0
4				25.0	27.5	26.3	27.5	3" SHELBY TUBE	CONT	0.00	PENETRATION PRESSURE NOT NEEDED. WASHED
5	5-24-72			30.0	32.5	31.3	32.5	3" SHELBY TUBE	CONT	0.00	PRESSURE REQUIRED FOR PENETRATION WASHED
6				32.5	35.0						WASHED
				35.0	37.5	36.3	37.5	3" SHELBY TUBE	CONT		WASHED
				37.5	40.0						WASHED

BORING LOG
FIELD DATA

Project HOUSTON SHIP CHANNEL Location STA. 75+000 400' LEFT Date 5-24-72
Drill Rig ARCO 550 HD Inspector MINOR Operator SMITH Surface elev TIME + 2.2
Levee District GALVESTON Job No. _____ Boring No. 72-42

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		FROM	TO	FROM	TO	FROM	TO				
7	5-24-72			40.0	42.5	41.3	42.5	3" SHELBY TUBE	CONT	0.00	ORGANIC CONTENT INCREASING WASHED
8	5-24-72			45.0	47.5	46.3	47.5	3" SHELBY TUBE	CONT	0.00	WASHED
9	5-24-72			50.0	52.5	51.3	52.5	3" SHELBY TUBE	CONT	0.00	WASHED
10	5-24-72			55.0	57.5	56.3	57.5	3" SHELBY TUBE	CONT	0.00	WITH SHELL AND SAND LAYERS WASHED
11	5-24-72			60.0	62.5	60.6	61.8	3" SHELBY TUBE	CONT	0.50	HIGHLY ORGANIC (PEAT) WOOD
12	5-24-72					61.8	62.5		JAR		PARTS 61.8-62.5
						BOTTOMED AT 62.5					
						COMPLETED AT 1400					
											NO/WATER TABLE/AT _____
											WEIGHT OF HAMMER <u>140#</u>
											DROP DISTANCE <u>30"</u>

12 July 71

GDLR NO 1401

PROJECT: HOUSTON SHIP CHANNEL

BORING NO. 72-42

LOCATION: Station 75+000, 400' left

TEST DATA SUMMARY

DATE COMPLETED 24 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	12.1	14.1	Water																		
2C	17.3	18.5	Gray Silt w/ shell layers @ top	ML				29				2092	0	4	10	86	50	2	3	5	7
3C	22.8	24.0	Gray Clay w/ shell fragments	CH	VS	0.0		68	57			2093									
4C	26.3	27.5	sand layers 50'-52.5'		VS	0.0		80	53			2094									
5C	31.3	32.5			S	0.25		68	50	81		2095		0	0	100	50	0	0	0	0
6C	36.3	38.5			S	0.25		83	52			2096									
7C	41.3	42.5			S	0.25		87	51			2097									
8C	46.3	47.5			S	0.25		80	53	88		2098		0	0	100	50	0	0	0	0
9C	51.3	52.5			S	0.25		92	42			2099									
10C	56.3	57.5	Gray Clay	M		0.50		75	57			2100									
11C	60.6	61.8	sand layers to organic material 60'-61.8'	ST		1.00		85	51	100		2101		0	0	100	50	0	0	0	0
12J	61.8	62.5	drift & wood 61.8'-62.5'	ST		1.00		134	35			2102									
								126				2103									

KEY: **CONSISTENCY - COHESIVE SOILS**
 VS Very Soft S Soft M Medium ST Stiff VST Very Stiff H Hard VL Very Loose L Loose M Medium D Dense VD Very Dense
CONSISTENCY - NONCOHESIVE SOILS
 VS Very Soft S Soft M Medium ST Stiff VST Very Stiff H Hard 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. Rtd ÷ Init. Wt. x 100 = % Rtd.

Bottomed at 62.5' Water at Tide Reading +2.2

BORING NO. 72-42

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