

DEPTH, FEET		SAMPLE NO.	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	BORING NO. <u>91243</u>	DATE: BEGIN <u>07/23/91</u>	PAGE <u>111</u>		
					JOB NO. <u>146494</u>	COMPLETE <u>07/23/91</u> Thin Walled Tube			
					PROJECT <u>GZWW</u>	☒ 3" ☐ 6"			
					LOCATION <u>SARGENT BEACH</u>				
					ELEVATION OF HOLE				
					MANUFACTURER'S DESIGNATION OF DRILL RIG <u>ARDCO BUGGY</u>				
					GROUNDWATER: DEPTH <u>1</u> ft., ELEV. <u>ft.</u> , at end of Drilling				
					WEATHER <u>PARTLY CLOUDY & RAIN</u>				
					DRILLER <u>Robert Tankersley</u>	LOGGER <u>John A. Hensley</u>			
					COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1	N/A	TAN	SAND	LOOSE			-W/SHELL 0'-2	
	2	0.5	BROWN	CLAY	MEDIUM STIFF	SANDY		-W/SHELL & SAND LAYERS	
5	3	0.75	BROWN	CLAY	MEDIUM STIFF	SANDY		& GRAY 2'-6'	
	4	0	GRAY	CLAY	VERY SOFT				
	5	0	BROWN	CLAY	VERY SOFT			-W/SILT SEAMS & LAYERS 8'-12'	
10	6	0.25	BROWN	CLAY	VERY SOFT				
	7	0.25	BROWN	CLAY	VERY SOFT			-W/SAND LAYERS	
15	8	N/R	GRAY	CLAY	VERY SOFT			-W/SHELL FRAGMENTS 16'-20'	
	9	0	GRAY	CLAY	VERY SOFT				
20	10	N/R							
	11	0.75	GRAY	CLAY	MEDIUM STIFF			-W/SAND SEAMS	
25	12	0.75	BROWN	CLAY	MEDIUM STIFF			-W/SILT POCKETS 24'-30'	
	13	0.25	BROWN	CLAY	SOFT				
	14	0.5	BROWN	CLAY	Med/stiff				
30	15	0.5	GRAY	CLAY	"	S.		+BROWN BELOW 30	
	16	0.5	GRAY	CLAY	"				
35								BOTTOM OF 91243	

Project : Gulf Intracoastal Waterway near Sargeant Beach, Texas
Contract No. DACW64-91-D-001, Delivery Order No. 0022

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-243

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	LL (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2			Tan, Sand, Loose, Silty, w/Shell & shell fragments	S M												
2	2-4	0.75		Brown, Clay, Medium stiff, w/Sand seams & shell fragments	CH	39.2										0.25	
3	4-6	0.75		Brown, Clay, Medium stiff, w/Sand seams & shell fragments	CH	37.8	84.3	116.2	62	25	100.0	99.9	99.0		92.3	0.25	0.25
4	6-8	0.00		Gray, Clay, Very soft	CH	62.0										0.08	
5	8-10	0.00 .25		Brown, Clay, Very soft, w/Silt seams & layers SWD	CH CL	44.3	74		48	19					95		50-260
6	10-12	0.25		Brown, Clay, Soft, Silty	CL	49.4	72.7	108.5	41	20	100.0	100.0	99.5		98.6	0.15	0.10
7	12-14	0.25		Brown, Clay, Soft	CH	67.3										0.15	
8	14-16	0.25		Brwon, Clay, Soft, w/Sand seams	CH	62.6	63.2	102.8	67	26	100.0	99.9	99.4		92.3	0.10	0.18
	16-18			No recovery													
9	18-20	0.00 .25		Brown, Clay, Very soft SWD	CH SC	41	76		38	14					44		50-340
	20-22			No recovery													
10	22-24	0.25		Brown, Clay, Soft	CH	33.5	88.1	117.7	50	19	100.0	100.0	99.8		97.3	0.15	0.19
11	24-26	0.75		Brown, Clay, Medium stiff, w/Silt pockets SWD	CH	35.2	84		53	19					98		50-900
12	26-28	0.50		Brown, Clay, Medium stiff Soft	CH	39.6										0.30	
13	28-30	0.25		Brown & gray, Clay, Soft	CH	48.3	72.0	106.8	77	28	100.0	99.9	99.3		97.3	0.25	0.21
14	30-32	0.50 .25		Gary, Clay, Medium stiff Soft SWD	CH	41.2	78		57	18					86		50-220
15	32-34	0.50		Brown & gray, Clay, Medium stiff, w/Organic material Soft	CH	87.8										0.25	

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content

q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

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