

DEPTH, FEET		SAMPLE NO.	PEN./TORVANE	SPT.-BLOW COUNT	BORING NO. <u>91246</u>	DATE: BEGIN <u>8-2-91</u>	PAGE <u>111</u>
					JOB NO. <u>146494</u>	COMPLETE <u>8-2-91</u>	Thin Walled Tube ☒ 3" ☐ 6"
					PROJECT <u>GZWW</u>		
					LOCATION <u>SARGENT BEACH</u>		
					ELEVATION OF HOLE _____		
					MANUFACTURER'S DESIGNATION OF DRILL RIG <u>ARDCO BAGGY</u>		
					GROUNDWATER: DEPTH <u>1/2</u> ft., ELEV. _____ ft., at end of Drilling		
					WEATHER <u>CLOUDY & RAIN</u>		
					DRILLER <u>Robert Tankersley</u>	LOGGER <u>John A. Bentley</u>	
COLOR	MATERIAL TYPE	CONSISTENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS			
0	1.0 BROWN CLAY	STIFF		-w/ ROOT & SILT SEAMS 0'-2'			
2	1.0 BROWN CLAY	STIFF		*+ GRAY			
5	0.5 GRAY CLAY	MEDIUM STIFF		*+ BROWN - w/ SAND CRAB HOLE 4'-8'			
4	0.5 GRAY CLAY	MEDIUM STIFF					
10	1.25 GRAY CLAY	STIFF					
6	1.25 GRAY CLAY	STIFF					
7	1.25 BROWN CLAY	STIFF		*+ GRAY 12'-16'			
15	1.25 BROWN CLAY	STIFF					
9	1.75 BROWN CLAY	STIFF					
10	1.75 BROWN CLAY	STIFF					
20	1.5 BROWN CLAY	STIFF					
11	1.5 BROWN CLAY	STIFF					
12	1.5 BROWN CLAY	STIFF		-w/ SAND PARTICLES 22-24'			
25	1.5 BROWN CLAY	STIFF					
13	1.0 GRAY CLAY	STIFF					
14	1.0 GRAY CLAY	STIFF					
30	1.0 GRAY CLAY	STIFF					
					BOTTOM OF 9246		

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. 91-246

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 (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	1.00		Brown Clay, Stiff, w/Roots & Shell Fragments	CH	28.9											
2	2-4	0.75		Brown, Clay, Medium stiff, w/Sand seams	CH	34.7										0.45	
3	4-6	0.50		Gray, Clay, Medium stiff, w/Blocky structure <i>Soft</i>	CH	49.1										0.30	
4	6-8	1.00		Gray & brown, Clay, Stiff, w/Ferrous nodules & blocky structure	CH	48.3	71.2	105.6	59	26	99.3	98.4	97.2		95.4	0.45	0.18
5	8-10	0.75		Brown, Clay, Medium stiff, w/Blocky structure	CH	49.3											
6	10-12	1.00		Brown, Clay, Stiff, w/Blocky structure	CH	42.7											
7	12-14	1.50		Brown & gray, Clay, Stiff, w/Ferrous stains	CH	41.7	79.9	113.3	73	28	100.0	100.0	99.8		99.3		0.60
8	14-16	1.00		Brown & gray, Clay, Stiff, w/Ferrous stains & blocky structure	CH	43.2											
9	16-18	1.00		Brown & gray, Clay, Stiff, w/Ferrous stains & blocky structure	CH	43.5											
10	18-20	1.25		Red, Clay, Stiff	CH	37.4	83.9	115.3	72	28	100.0	100.0	100.0		100.0		0.69
11	20-22	1.00		Brown, Clay, Stiff	CH	31.4											
12	22-24	1.25		Brown, Clay, Stiff, w/Silt parting	CH	49.5											
13	24-26	1.25		Brown, Clay, Stiff, w/Silt parting	CH	42.8											
14	26-28	1.00		Gray, Clay, Stiff, w/Organic material	CH	66.7	60.8	101.3	111	39	100.0	99.8	98.5		94.5		1.01
15	28-30	0.75		Gray, Clay, Medium stiff, w/Organic material	CH	66.6											

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