

Job No. 0401-2906 Completion Date 5/16/90 Time _____ Field Log of Boring 90-71

Elevation _____ Location Disposal Area No. 5 Driller R. Aguilar

Lab. Tests	Soil Sample			Depth (ft)	Sample	Blows	Torvane Penet.	Logger <u>W. Cutshall</u>	
	No.	Depth	Type					Comments	Description of Material
									SILTY CLAY, very stiff, light brown
	1	3-5	Q	5			2.25		- slightly sandy at 5' (5')
								No Recovery	SILTY SAND, medium-dense, light brown, fine
	2	7.5-9	J			3/4/5			
				10					
	3	12.5-14	J			1/1/1			- very loose at 14'
				15					
	4	17.5-19	J			4/5/7			
				20					
	5	22.5-24	J			8/12/26-4"			- sandstone seam at 24'
				25					
	6	27.5-29	J			12/25/25-3"			- with calcareous nodules to 29' (29')
				30					
				35					
				40					

must be sp.

Remarks: Cased to 5' depth

Boring Sealed? w/cuttings
 Dry Auger _____ to _____ ft
 Wet Rotary 0 to 29 ft
 Water First Noticed _____ ft

Depth to Water 0.7' Caved at _____ Date _____ Time _____ ; _____

SUMMARY OF TEST RESULTS
Galveston District, Corps of Engineers
Delivery Order No. 0016
Brazos Island Harbor
Brownsville Ship Channel

Boring Number	Sample Number	Sample Depth (ft)	Visual Classification	USCS	MC (%)	UDW (pcf)	LL	PL	PI	Gradation, % Passing Sieve No.				UNC Su (ksf)	TV Su (ksf)
										4	10	40	200		
90-70	1J	3.5-5	Gray and tan SANDY CLAY w/ cl sms & calc nods	CL	30										
90-70	2Q	5-7	Firm SANDY CLAY w/ calc deps and sa pckts & sms	CL	27										
90-70	3J	7-9	Stiff brown CLAY w/ sand pockets	CH	18										
90-70	4J	9-10.5	Red CLAY with free water and sand	CH	65										
90-70	5J	14-15.5	Brown CLAY with shell fragments	CH	42		52				100	97	83		
90-70	6J	19-20.5	Brown CLAY with silt pockets	CH	35										
90-70	7Q	21-23	Stiff brown CLAY w/ ferrous stains	CH	36	86	60					100	99	1.4	
90-70	8Q	23-25	Firm brown CLAY with ferrous stain	CH	39										
90-70	9Q	25-27	Stiff brown CLAY	CH	38										
90-70	10J	27-29	Gray CLAYEY SAND w/ cl partings & seams	SC	23							100	78	34	
90-70	11J	32.5-34	Tan and greenish gray SANDY CLAY w/sa pockets	CL											
90-70	12J	37.5-39	Greenish gray SANDY CLAY w/ calc deposits	CL											
90-71	1Q	3-5	Stiff brown CLAY w/ fe stain & shell frag	CH	37		69								
90-71	2J	7.5-9	Brown fine SILTY SAND w/ clay pockets	SM											
90-71	3J	12.5-14	Brown fine SANDY SILT w/ clay pockets <i>v/loose</i>	ML	24							100	96	53	
90-71	4J	17.5-19	Brown fine SAND <i>Med Den</i>	SP ✓										47	
90-71	5J	20.5-24	Brown fine SAND w/ clay pockets <i>Dense</i>	SP ✓	23							100	47	15	
90-71	6J	27.5-29	<u>Gray SANDY CLAY w/ sa seams & calc deposits</u> <i>v/D</i>	CL SP											