

Job No. 0401-2906 Completion Date 5-15-90 Time _____ Field Log of Boring 90-65

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, firm to stiff, light gray.
	1	3-5	Q	5			1.75	V/S	
	2	5-7	Q				1.5	"	
	3	7-9	Q				0.5	BT	
	4	9-11	Q	10			0.5	"	- silty sand, 9' to 11'
	5	11-13	Q				1.5	V/S	- slightly sandy below 11'
	6	13-15	Q	15			2.0	V/S	- light gray and greenish gray below 13'
	7	15-17	Q				1.25	V/S	
	8	17-19	J						(17') SILTY SAND, loose, light brown, fine
				20					
	9	21.5-23	J		X	2/3/3		Loose	
				25					
	10	27-28.5	J		X	10/20/21		Dense	- dense below 27'
				30					
				35					
				40					

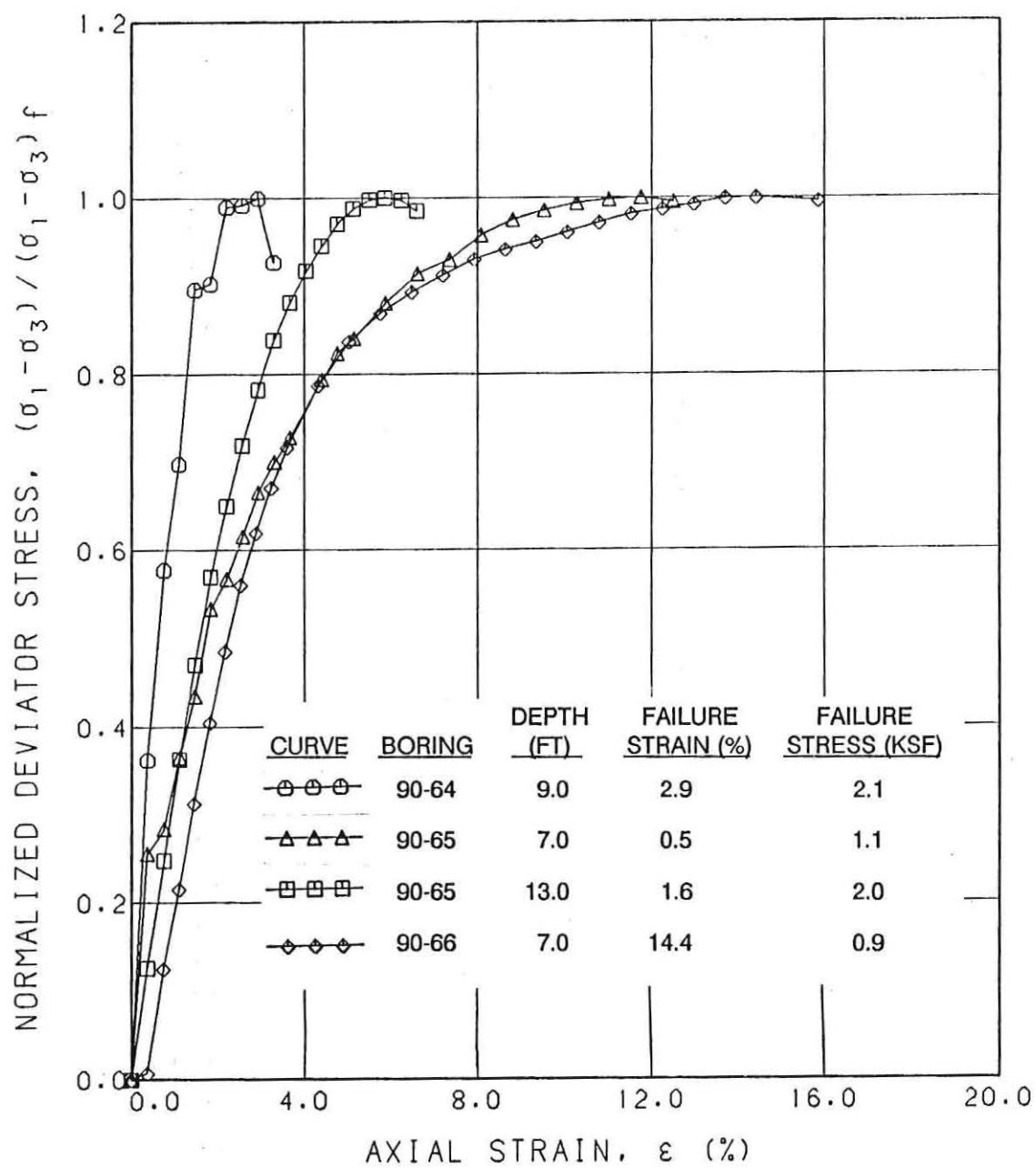
Remarks: Cased to 5' depth

Boring Sealed? w/cuttings
Dry Auger _____ to _____ ft
Wet Rotary 0 to 28.5 ft
Water First Noticed _____ ft

Depth to Water 1.6' 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. 4 10 40 200	UNC Su (ksf)	TV Su (ksf)
90-64	1Q	3-5	✓ Very stiff brown CLAY w/ fe nods & few si pckts	CH	33							
90-64	2Q	5-7	Stiff gray and brown CLAY w/ few sa pckts	CH	42							
90-64	3Q	7-9	Stiff brown & gray CLAY w/fe nods & silt pckts	CH	33	91	59	27		100 98 98	1.1	
90-64	4Q	9-11	✓ Stiff brown and gray CLAY w/ si pckts & fe stns	CH	32							
90-64	5Q	11-13	✓ Very stiff brown and gray CLAY w/ fe stns	CH	38							
90-64	6J	13-15	Very soft brown CLAYEY SAND	SC ✓	25					100 83 28		
90-64	7J	15-16	Brown CLAY w/ sand pockets & free water Med-Dense	CH? 52	45							
90-64	8J	20-21	Broken jar, sample dried out									
90-64	9Q	22-24	Stiff brown and gray CLAY w/ silty sand pockets	CL ✓	30		43			100 99 96		
90-64	10J	27.5-29	Stiff brown and dark gray CLAY w/ sand intermixed	CH ✓	22							
90-65	1Q	3-5	Stiff dark gray CLAY w/ fe nods & sa sms	CH	38							
90-65	2Q	5-7	Med-Firm gray and brown SILTY CLAY w/ num sisa pckts	CL	36	90	36	21		100 99 92	0.5	0.4
90-65	3Q	7-9	Med-Firm brown CLAY w/ sa si pckts & fe nods	CH	27							0.5
90-65	4Q	9-11	Firm brown CLAY w/numerous silt pckts & fe stains	CH								
90-65	5Q	11-13	✓ Stiff brown and gray CLAY w/ silt pockets	CH	29	91	54	22		100 99	2.0	0.6
90-65	6Q	13-15	Stiff dark gray CLAY w/ silt pockets	CH	30							
90-65	7Q	15-17	Stiff dark gray CLAY w/ silt pockets	CH	33							
90-65	8J	17-19	Sample Not Received in Lab									
90-65	9J	21.5-23	Sample Not Received in Lab									
90-65	10J	27-28.5	Sample Not Received in Lab									



STRESS-STRAIN CURVES
UNCONFINED COMPRESSION TEST