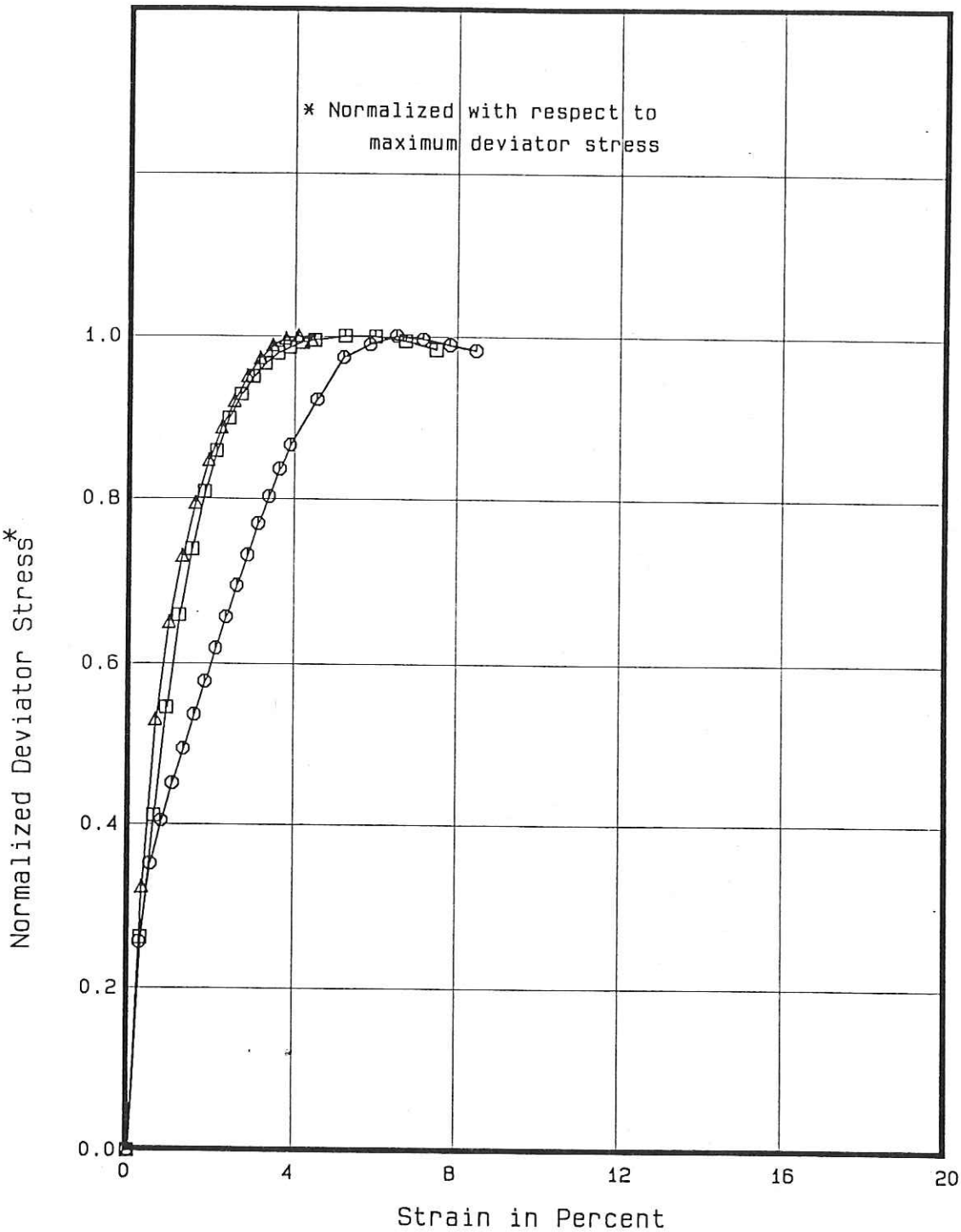
Summary of Test Results
GALVESTON DISTRICT, CORPS OF ENGINEERS
BROWNSVILLE ENTRANCE CHANNEL
BROWNSVILLE, TEXAS

El. - 37.4

Boring Number	Sample Number	Sample Depth (Feet)	Visual Classification	MC (%)	UDW (PCF)	LL	PL	PI	Gradation, Percent Passing Sieve No. 4	10	40	100	200	UNC SU (KSF)	TV SU (KSF)	USCS
89-30	1	0.0- 2.0	SOFT GRAY CLAY with numerous shell fragment pockets and silt pockets	35												CH
89-30	2	2.0- 4.0	FIRM GRAY CLAY with numerous silt pockets and occasional shell fragments	33											0.58	CH
89-30	3	4.0- 6.0	FIRM GRAY CLAY with numerous silt pockets and partings, trace of shell fragments	38												CH
89-30	4	6.0- 8.0	FIRM GRAY CLAY with trace of silt pockets and shell fragments	38	84	57	23	34	100	99	99	98	97	0.85	1.10	CH
89-30	5	8.0-10.0	STIFF GRAY CLAY with silt seams	32												CH
89-30	6	10.0-12.0	FIRM GRAY CLAY with sand seams and numerous shell fragment seams	29		40	22	18							0.82	~~CH~~ CL
89-30	7	12.0-14.0	GRAY SILTY FINE SAND	32					100	100	100	95	38			SM
89-30	8	14.0-16.0	STIFF GRAY CLAY with occasional organic matter and silt pockets	44												CH
89-30	9	16.0-18.0	FIRM GRAY CLAY with silt pockets	42	77	61	23	38	100	100	100	96	92	0.92	1.08	CH
89-30	10	18.0-20.0	VERY STIFF GRAY CLAY with trace of shell fragments	22												CH
89-30	11	20.0-22.0	HARD GRAY CLAY with sand pockets and calcareous nodules	22												CH
89-30	12	22.0-24.0	STIFF GRAY CLAY with sand pockets and shell fragments	23	103	50	19	31	100	100	100	88	70	1.39	2.40	CH
89-30	13	24.0-26.0	FIRM BROWN AND GRAY CLAY with silt seams and calcareous nodules	25												CH
			2 additional tests for TV/SU ~~are~~ were performed													



STRESS-STRAIN CURVES

CURVE	BORING NO	TEST TYPE	DEPTH FT	CONFINING PRESSURE, KSF	MAXIMUM DEVIATOR STRESS, KSF
□——□	89-30	U	8.0	0.00	1.70
○——○	89-30	U	18.0	0.00	1.84
△——△	89-30	U	24.0	0.00	2.78

SE-666-89

JOB TITLE Drilling, Sampling
JOB NO. SE-666-89

LOG OF BORING NO. 89-30A ? * Jetties

CLIENT Galveston District, Corps Of Engineers

LOCATION Brownsville Entrance Channel, TX COORDINATES Y=2,443,654 ; Y=147011 HEADING=80' offset 6.95 @60'

DRILLING METHOD Rotary Wash

SAMPLER TYPE (S) 3" Thin-wall tube, split spoon

Mudline Elev. -31.35
Time Started 0550
Date Started 11-13-89
Time Completed 1130
Date Completed 11-13-89

Split barrel
Thin-wall tube
Liner
No recovery

Weather Conditions: Windy (strong current)
Drill rig: Failing 1500
Driller: F. Ketchum Roughneck: K. Smith
Technician: M. Hoover, D. Boucher Dano Turney

Water Depth 36.0 Date Time 11-13-89 0528

Tide Elev.: -0.87 MLT @ 0430 hrs.
-1.35 @ 0550

Sample Number	Depth	Type J/Q	Pen. / Tv.	Core From:	Core To:	Blow Counts Each 6" or Refusal	Depth Scale	Description:	Remarks:
								So G CL	
1	2.0	Q	.3	0	2			- w/SH sms to 5	
			.2					- w/ SH frAGS to 6	
2	4.0	Q	.4	2	4				
3	6.0	Q	.60/.64	4	6		5	ST 6 -	
4	8.0	Q	1.3/.52	6	8	UC		- w/si PKts 6-12 UC	
								- w/si sms 8-12	
5	10.0	Q	1.2/	8	10		10		
6	12.0	Q	.8/	10	12			- si fa Sa LAYER 12-14 ← LL/PL AMA	
7	14.0	J	-	12	14				
8	16.0	J	1.1/.55x2	14	16		15	- w/si PKts 16 -	
9	18.0	Q	1.1/.45x2	16	18	UC		UC	
10	19.5	QS	2.7	18	20		20	- VSt 18 -	#10 SHORT Sample
								- DK G 18-24	
11	22.0	Q	2.6	20	22			- w/calc nods & Deps 22 -	
12	24.0	QS	2.1	22	24	UC		- Gr G 24 - UC	
13	26.0	Q	2.5	24	26		25	- w/quartz @ 26	
								B.T. = 26'	
								= -63.4' MLT	
							30		