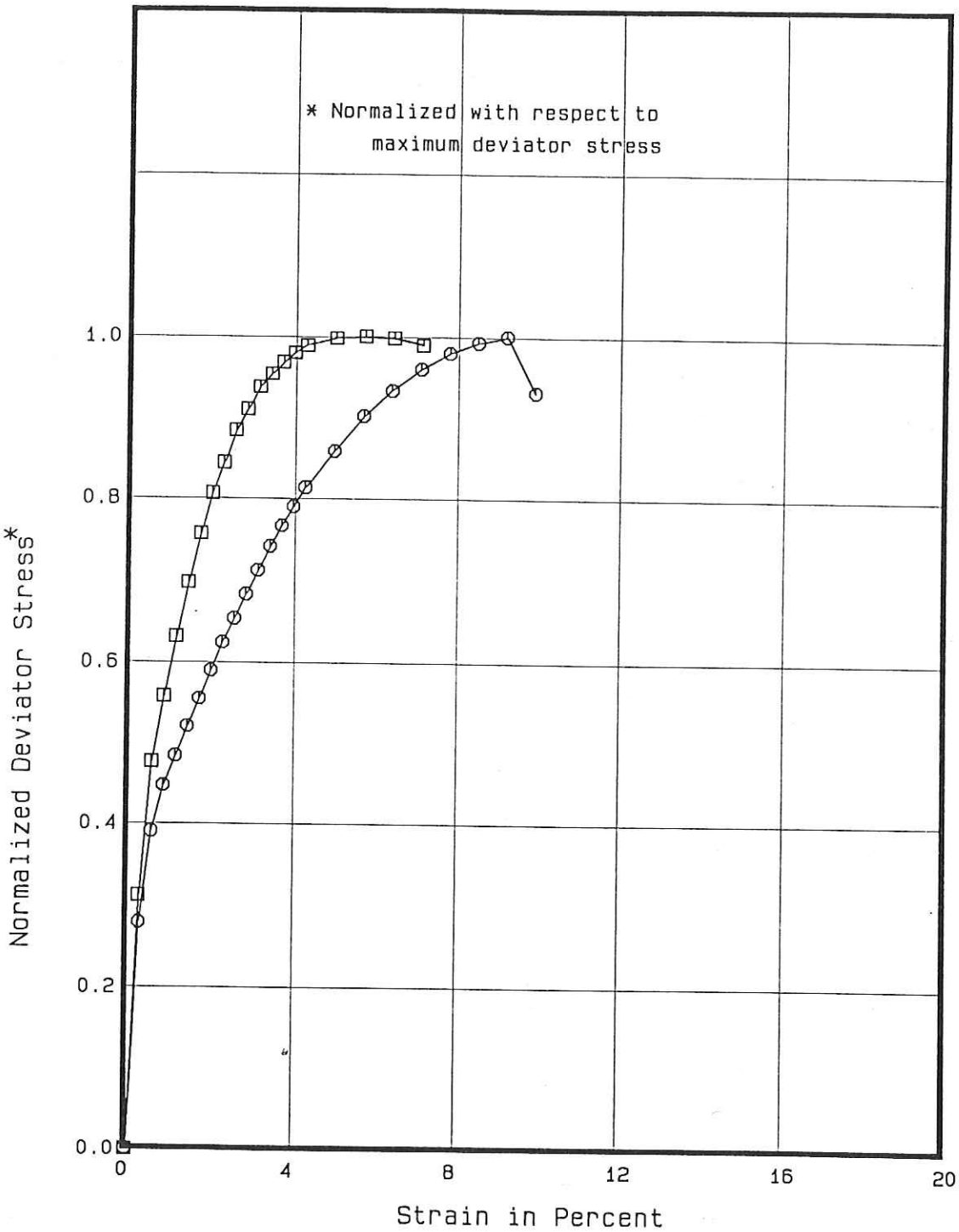
El. - 45.4

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

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
89-31	1	0.0- 2.0	FIRM GRAY CLAY with silt seams	33	87						0.60	CH
89-31	2	2.0- 4.0	FIRM GRAY CLAY with silt seams	29	90						0.80	CH
89-31	3	4.0- 6.0	GRAY SILT with sand pockets and organic matter	24	96	26			100 100 100 100 79			ML
89-31	4	6.0- 8.0	STIFF GRAY CLAY with sand pockets and organic matter	40	77						1.34	CH
89-31	5	8.0-10.0	STIFF GRAY CLAY with trace of silt pockets and organic matter	41	77	82	30	52	100 100 100 99 98	1.34	1.32	CH
89-31	6	10.0-12.0	STIFF GRAY CLAY with sand pockets and trace of shell fragments	28	95						1.70	CH
89-31	7	12.0-14.0	VERY STIFF GRAY CLAY with sand and trace of calcareous nodules	22	103	54	20	34	100 100 100 89 73	2.21	3.40	CH
89-31	8	14.0-16.0	VERY STIFF GRAY CLAY with sand pockets and trace of calcareous nodules	23							3.30	CH
89-31	9	16.0-18.0	VERY STIFF GRAY CLAY with sand pockets and calcareous nodules	24	104						3.80	CH

SE-666-89



STRESS-STRAIN CURVES

CURVE	BORING NO	TEST TYPE	DEPTH FT	CONFINING PRESSURE, KSF	MAXIMUM DEVIATOR STRESS, KSF
□——□	89-31	U	10.0	0.00	2.68
○——○	89-31	U	14.0	0.00	4.42

JOB TITLE Drilling, Sampling
JOB NO. 9E-666-89

LOG OF BORING NO. 89-31 * Jetties

CLIENT Galveston District, Corps Of Engineers

LOCATION Brownsville Entrance Channel, TX COORDINATES X = 2,444,151 Y = 147,114

DRILLING METHOD Rotary Wash

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

Mudline Elev. -45.38
Time Started 1230
Date Started 11/13/89
Time Completed 1325
Date Completed 11/13/89

Split barrel
Thin-wall tube
Liner
No recovery

Weather Conditions:
Drill rig: Failing 1500
Driller: Mooney
Technician: Mireles
Roughneck: Tim Holt, T. Stone, D. Boucher

Water Depth 45.0 Date Time 11/13/89 1213

Tide Elev.: -.38 MLT @ 1210 hrs.

Sample Number	Depth	Type J/Q	Pen. / Tv.	Core From:	Core To:	Blow Counts Each 6" or Refusal	Depth Scale	Description:	Remarks:
						TV		FMG STCl -w/ Si Sms -w/ Si Pkts	
1	2	G	1.0	0	2				
2	4	J	1.25	2	4				
3	6	G	—	4	6		5	G Sa Si -w/ Cl Pkts	
4	8	G	2.0	6	8			ST G Cl -w/ Si Pkts to 10' -w/ org mtr to 10'	
5	10	G	1.4	8	10	VC	10	FM 8' -w/ Si Sms 8 to 10'	
6	12	G	2.5	10	12			-w/ Sa Pkts 10' -w/ shell Frags 10'	
7	14	G	3.5	12	14	VC		VST 12' -w/ CALC Nods 12'	
8	16	G	4.0	14	16		15		
9	18	G	3.5	16	18				
						TV	20	B.T. = 18' = -63.4' MLT	
							25		
							30		