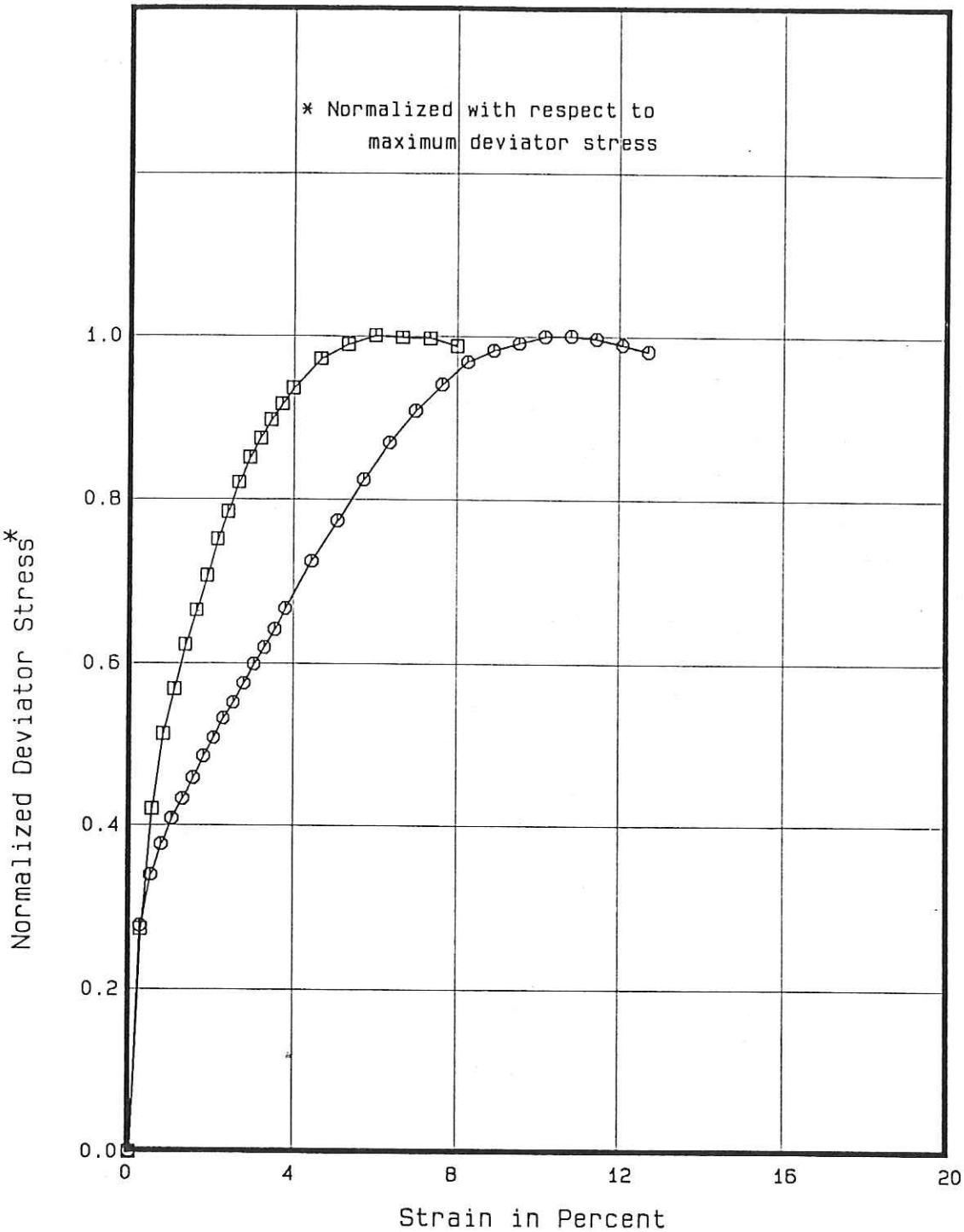
El.-34.8

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
89-27	1	0.0- 2.0	VERY SOFT GRAY CLAY with trace of silt pockets	52							0.20	CH
89-27	2	2.0- 4.0	FIRM GRAY CLAY with trace of silt pockets	48								CH
89-27	3	4.0- 6.0	FIRM GRAY CLAY with silt pockets and shell fragments	48		62	24	38				CH
89-27	4	6.0- 8.0	STIFF GRAY CLAY with trace of silt pockets	40								CH
89-27	5	8.0-10.0	STIFF GRAY CLAY with trace of silt pockets and shell fragments	41								CH
89-27	6	10.0-12.0	FIRM GRAY CLAY with trace of silt pockets and shell fragments	36	84	56	22	34	100 100 99 99 98	0.84	1.10	CH
89-27	7	12.0-14.0	FIRM GRAY AND BROWN CLAY with numerous silty sand pockets, and a sand seam	38								CH
89-27	8	14.0-16.0	BROWN SILT with sand and trace of clay pockets	23		32			100 100 100 100 80			ML
89-27	9	16.0-18.0	BROWN SILT with sand and clay pockets	31								ML
89-27	10	18.0-20.0	STIFF BROWN AND GRAY CLAY with trace of silt pockets	42								CH
89-27	11	20.0-22.0	FIRM BROWN AND GRAY CLAY with trace of silt pockets and shell fragments	38	79	61	25	36	100 100 100 99 98	0.80	0.84	CH
89-27	12	22.0-24.0	VERY STIFF GRAY CLAY with trace of silt pockets and shell fragments	25								CH
89-27	13	24.0-26.0	HARD GRAY AND BROWN CLAY with calcareous nodules	24								CH

Note:
TV/SU Tests were not requested — these are additional tests performed

SE-666-89



STRESS-STRAIN CURVES

CURVE	BORING NO	TEST TYPE	DEPTH FT	CONFINING PRESSURE, KSF	MAXIMUM DEVIATOR STRESS, KSF
⊡——⊡	89-27	U	12.0	0.00	1.69
⊙——⊙	89-27	U	22.0	0.00	1.59

BEGIN / X BTWN Jetties

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

LOG OF BORING NO. 89-27
CLIENT Galveston District, Corps Of Engineers

LOCATION Brownsville Entrance Channel, TX COORDINATES X = 2,442,146 Y = 147,080

DRILLING METHOD Rotary Wash

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

Mudline Elev. -34.75
Time Started 1945
Date Started 11/12/89
Time Completed 2115
Date Completed 12/12/89

Split barrel
Thin-wall tube
Liner
No recovery

Weather Conditions:
Drill rig: Failing 1500
Driller: MOONEY, D
Roughneck: T. Holt, T. STONE
Technician: MIRELES, T.

Water Depth 36.0 Date Time 12/12/89 @ 1930

Tide Elev.: +1.25 MLT @ 1919 hrs.

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	J	.14	0	2				
2	4	Q	.75	2	4			-w/ shell Frags 4'	
3	6	Q	.75	4	6		5	-w/ sl Pkts 4'- LL/PL	
4	8	Q	.8	6	8				
5	10	Q	.80	8	10		10		
6	12	Q	1.0	10	12	UC		-w/sl Sms 12' to 14' UC	
7	14	Q	1.0	12	14				
8	16	Q	-	14	16		15	G Cl Sl -w/ Cl Sms UDW LL/PL AMA	
9	18	Q	1.0 Cl	16	18				
10	20	Q	1.25	18	20		20	FM G Cl w/sl Pkts ST 22	
11	22	Q	2.0	20	22	UC		-w/shell Frags 20'- UC	
12	24	Q	2.75	22	24			-w/sa Pkts 22 VST 24'-	
13	26	Q	3.3	24	26		25	G & T 26'-	
								B.T. = 28'	
							30	= -62.8' MLT	

36 1.25 34.75 26 60.75

Sampled to 26 26 + 34.75 = 60.75

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