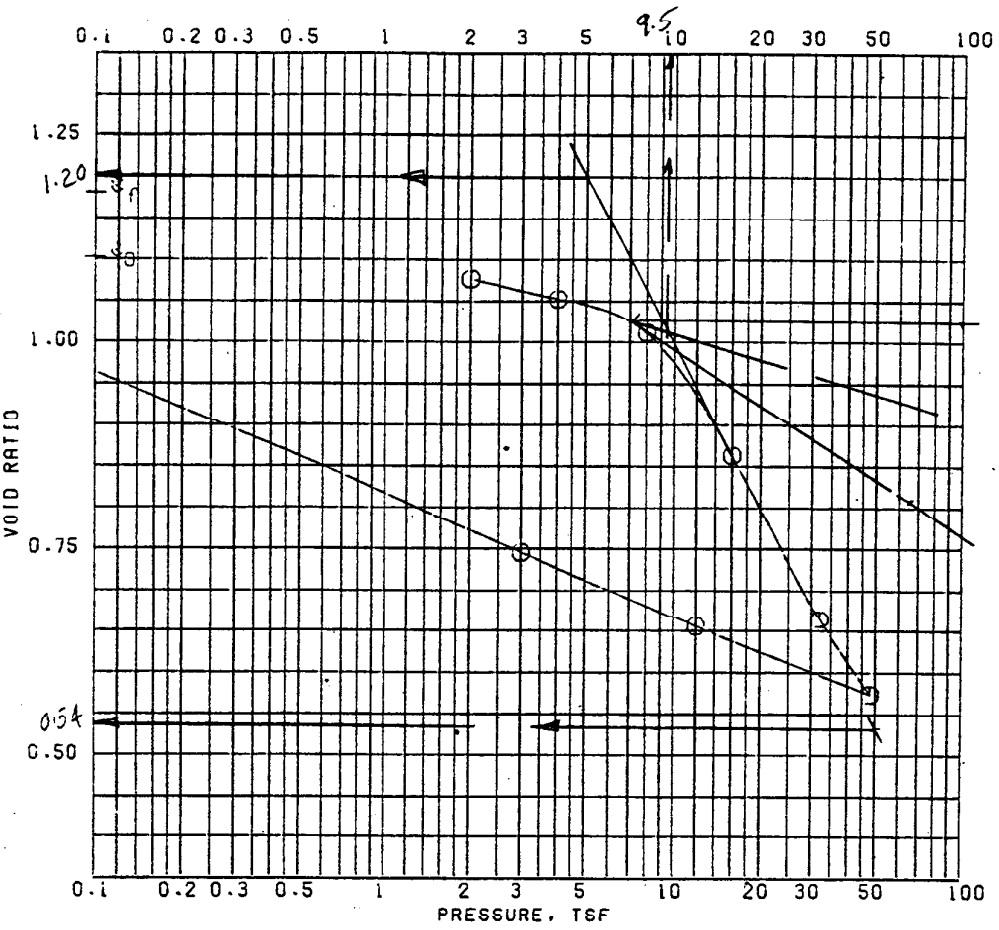
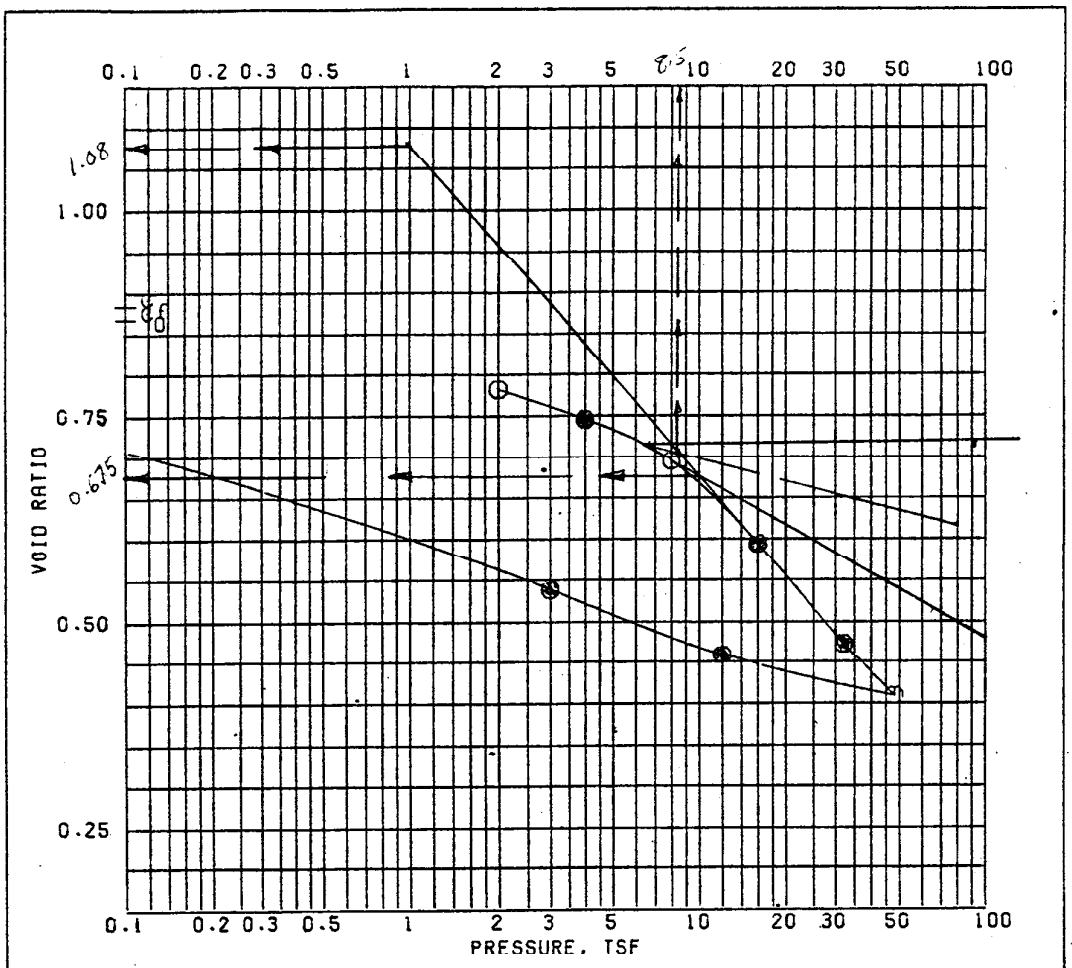


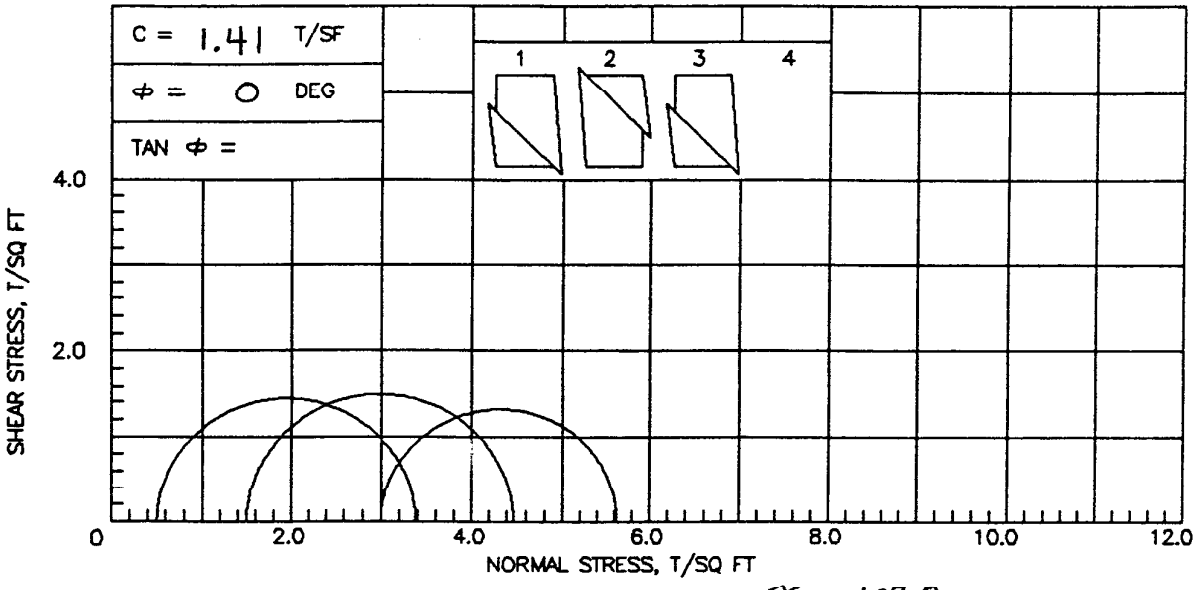
1.20 - 0.54 / log 9.5 - log 1 = 0.66

	BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		
PRECONSOL. PRESSURE, TSF 9.5	DRY DENSITY, PCF 80.2	77.3
COMPRESSION INDEX 0.66	SATURATION, % 98.2	100 +
TYPE SPECIMEN UNDISTURBED	VOID RATIO 1.101	1.179
DIA. IN 4.44 HT. IN 1.124	BACK PRESSURE, TSF	
CLASSIFICATION PLASTIC CLAY (CH), GRAY; SILT POCKETS; SLICKENSIDED		
LL 60 PL 21 PI 39	PROJECT M.R.C.C. - NEW SHIPLOCK	
GS 2.70 (EST) D_{10}	IHNC SITE	
REMARKS ELEV. -278.8	BORING NO. 4-IU	SAMPLE NO. 65-D
Pc = 9.5	DEPTH/ELEV 258.8/-278.8	DATE 24 NOV 81
Cc = 0.66	CONSOLIDATION TEST REPORT	

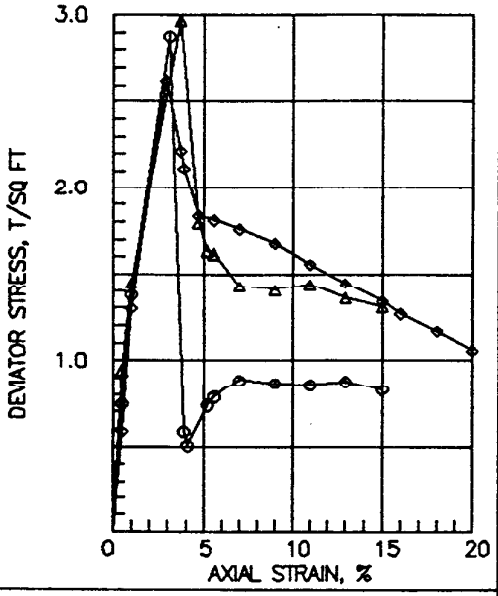


1.08 − 0.675 / 0.405

	BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		
PRECONSOL. PRESSURE, TSF 8.5	DRY DENSITY, PCF 90.3	89.5
COMPRESSION INDEX 0.41	SATURATION, % 95.4	100 +
TYPE SPECIMEN UNDISTURBED	VOID RATIO 0.867	0.883
DIA. IN 4.44 HT. IN 1.137	BACK PRESSURE, TSF	
CLASSIFICATION PLASTIC CLAY (CH), GRAY; SILT LENSES		
LL 56 PL 16 PI 40	PROJECT M.R.G.D. - NEW SHIPLOCK	
GS 2.70 (EST) D_{10}	IHNC SITE	
REMARKS ELEV. -309.6.	BORING NO. 4-IU	SAMPLE NO. 73-C
P_c = 8.5	DEPTH/ELEV 289.6/-309.6	DATE 24 NOV 81
C_c = 0.41	CONSOLIDATION TEST REPORT	



γ_w = 109.8 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	46.4	45.8	45.9	
	DRY DENSITY, PCF	75.0	75.5	75.0	
	SATURATION, %	100+	100+	99.5	
	VOID RATIO	1.248	1.234	1.246	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		2.88	2.97	2.63	
TIME TO FAILURE, MIN.		6	21	16	
STRAIN RATE INCR., %			5	5	
INITIAL DIAMETER, IN.		1.37	1.37	1.37	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT SEAMS

LL 81	PL 20	PI 61	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

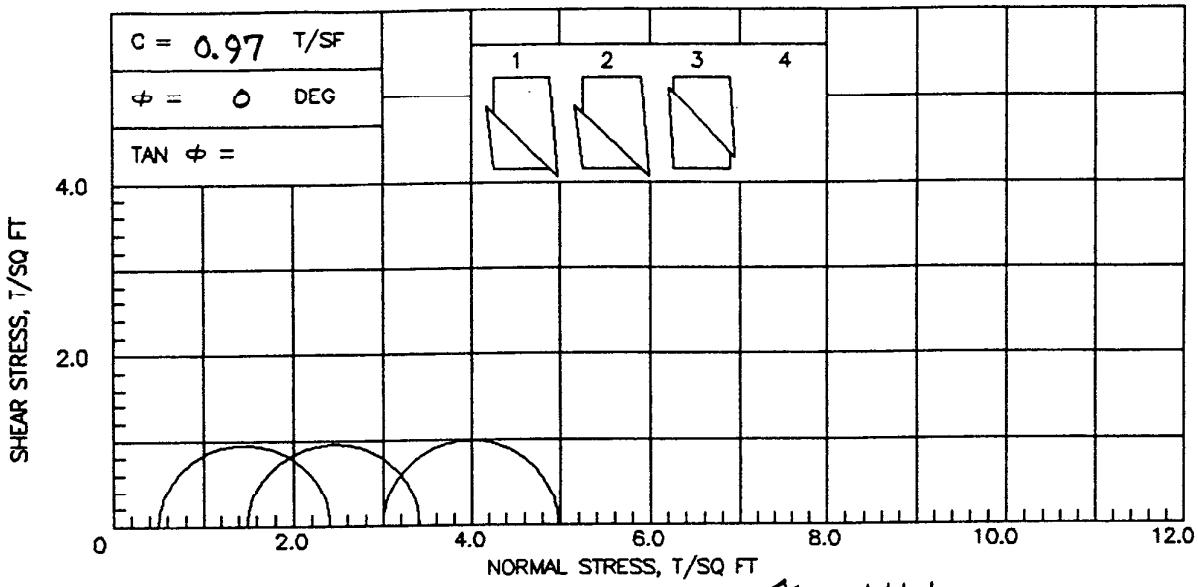
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 46C

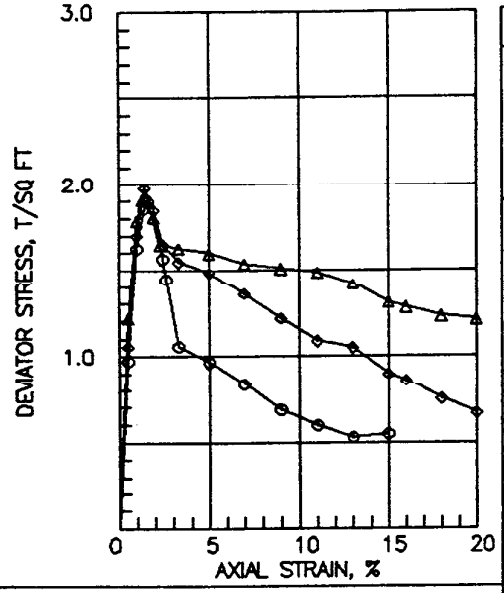
DEPTH/ELEV 195.0/-227.5 TECH. JH

LABORATORY USAE WES - STF/GL DATE 02 JUL 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 111.1 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	44.2	44.2	44.7	
	DRY DENSITY, PCF	77.4	77.5	76.1	
	SATURATION, %	100+	100+	99.2	
	VOID RATIO	1.178	1.174	1.216	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		1.90	1.91	1.98	
TIME TO FAILURE, MIN.		3	13	14	
STRAIN RATE INCR., %			3	1	
INITIAL DIAMETER, IN.		1.37	1.37	1.38	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

LL 76	PL 20	PI 56	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

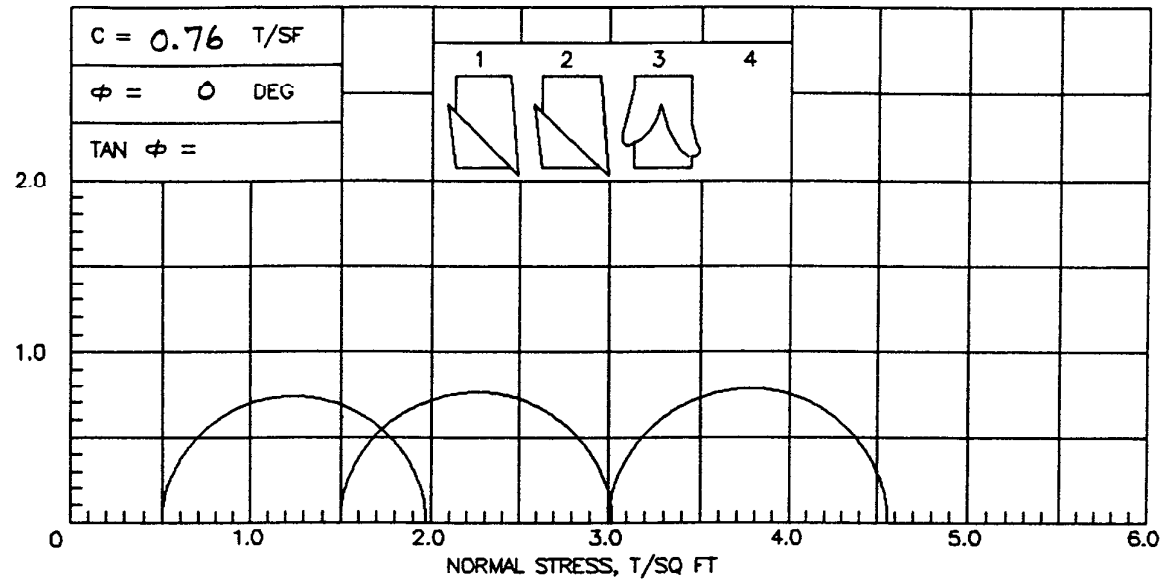
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U | SAMPLE NO. 42C

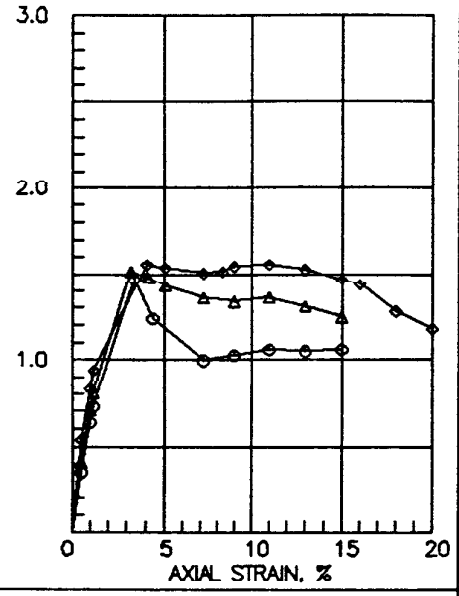
DEPTH/ELEV 179.3/-211.8 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 02 JUL 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 114.9 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	37.8	34.0	35.8	
	DRY DENSITY, PCF	83.1	86.1	84.6	
	SATURATION, %	99.1	95.9	97.3	
	VOID RATIO	1.030	.958	.994	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		1.47	1.52	1.56	
TIME TO FAILURE, MIN.		7	19	24	
STRAIN RATE INCR., %			7	8	
INITIAL DIAMETER, IN.		1.36	1.39	1.37	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; 1/2" FINE SAND LAYER

LL 59	PL 18	PI 41	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

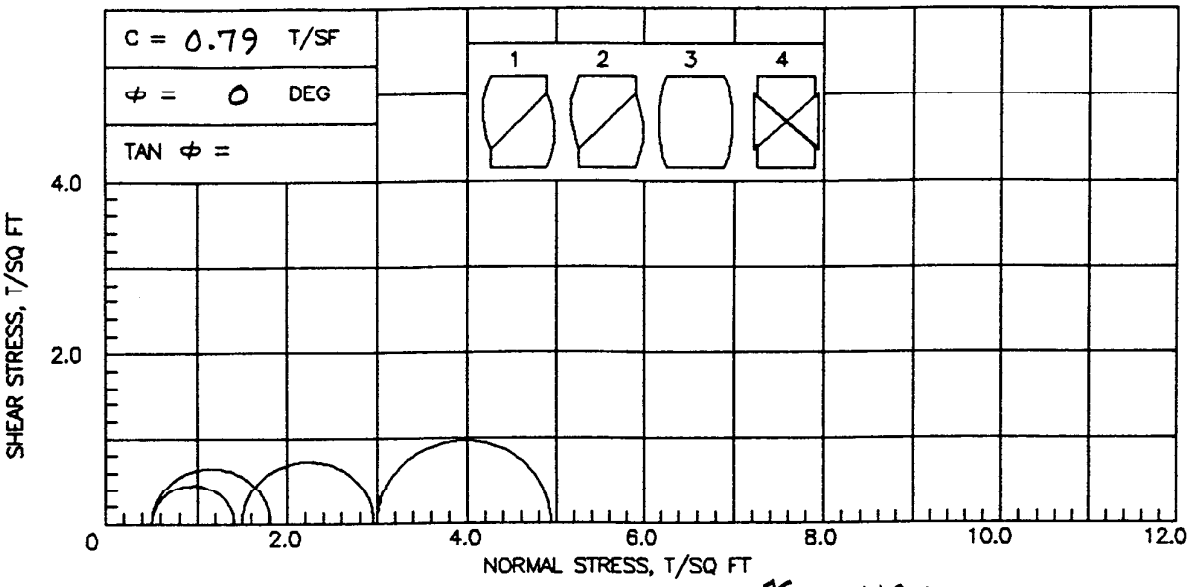
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 39C

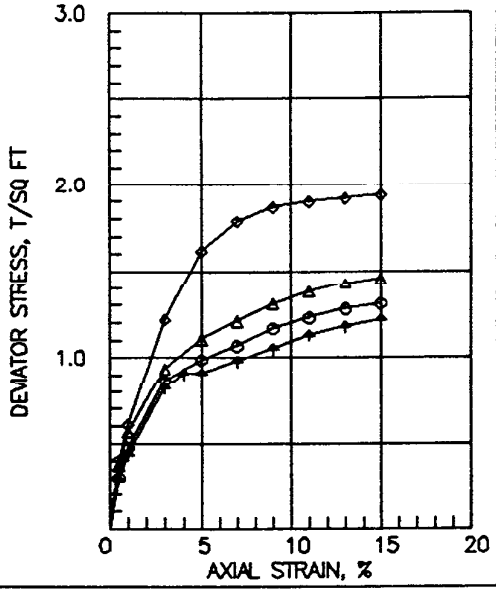
DEPTH/ELEV 167.2/-199.7 TECH. JH

LABORATORY USAE WES - STF/GL DATE 01 JUL 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 119.0 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	+ 4
INITIAL	WATER CONTENT, %	29.2	30.0	27.0	29.2
	DRY DENSITY, PCF	92.3	89.8	95.2	90.3
	SATURATION, %	95.4	92.6	94.6	91.0
	VOID RATIO	.825	.876	.770	.866
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE. TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	.50
MAX. DEV. STRESS, TSF		1.31	1.46	1.94	.91
TIME TO FAILURE, MIN.		29	29	29	8
STRAIN RATE INCR., %					
INITIAL DIAMETER, IN.		1.35	1.37	1.37	1.38
INITIAL HEIGHT, IN.		3.00	3.00	3.00	3.00

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CL), GRAY

LL 48	PL 18	PI 30	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

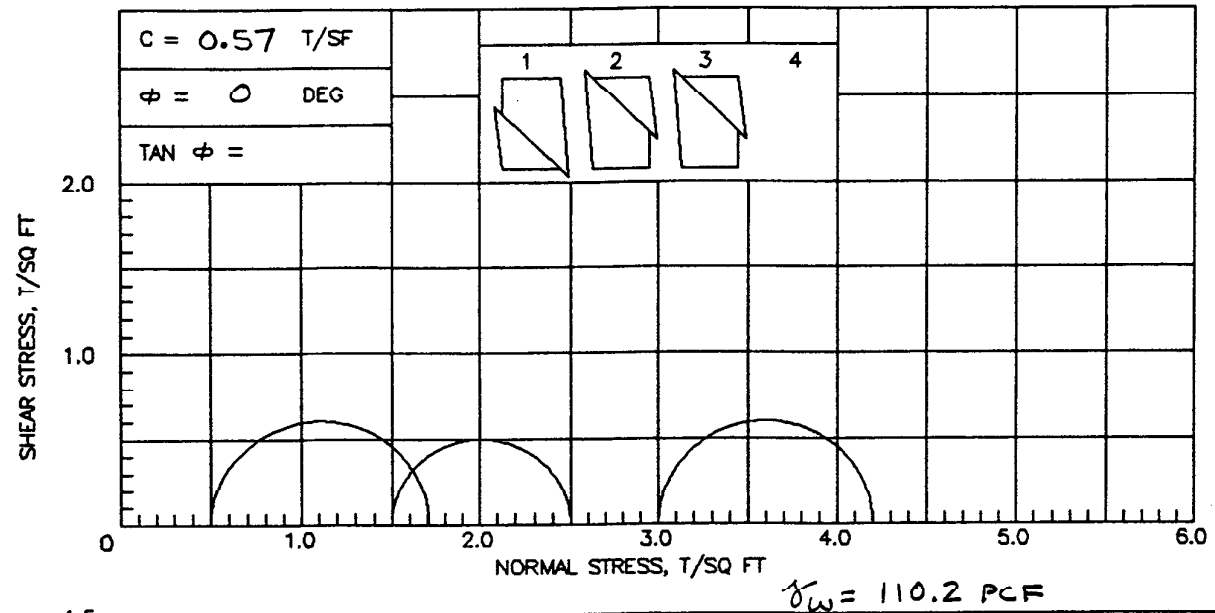
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 32B

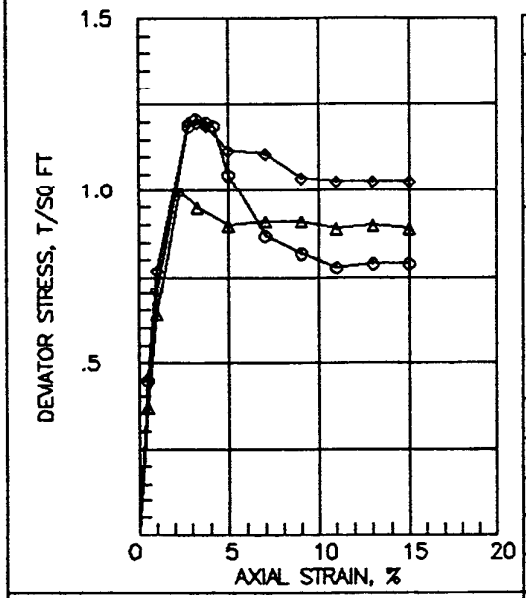
DEPTH/ELEV 138/-170.5 TECH. JH

LABORATORY USAE WES - STF/GL DATE 01 JUL 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 110.2 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	43.9	44.1	39.0	
	DRY DENSITY, PCF	76.6	75.0	80.6	
	SATURATION, %	98.7	95.5	96.5	
	VOID RATIO	1.200	1.247	1.092	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE. TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		1.21	1.00	1.20	
TIME TO FAILURE, MIN.		7	13	16	
STRAIN RATE INCR., %				5	
INITIAL DIAMETER, IN.		1.36	1.36	1.38	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; ORGANIC MATERIAL

LL 65	PL 16	PI 49	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

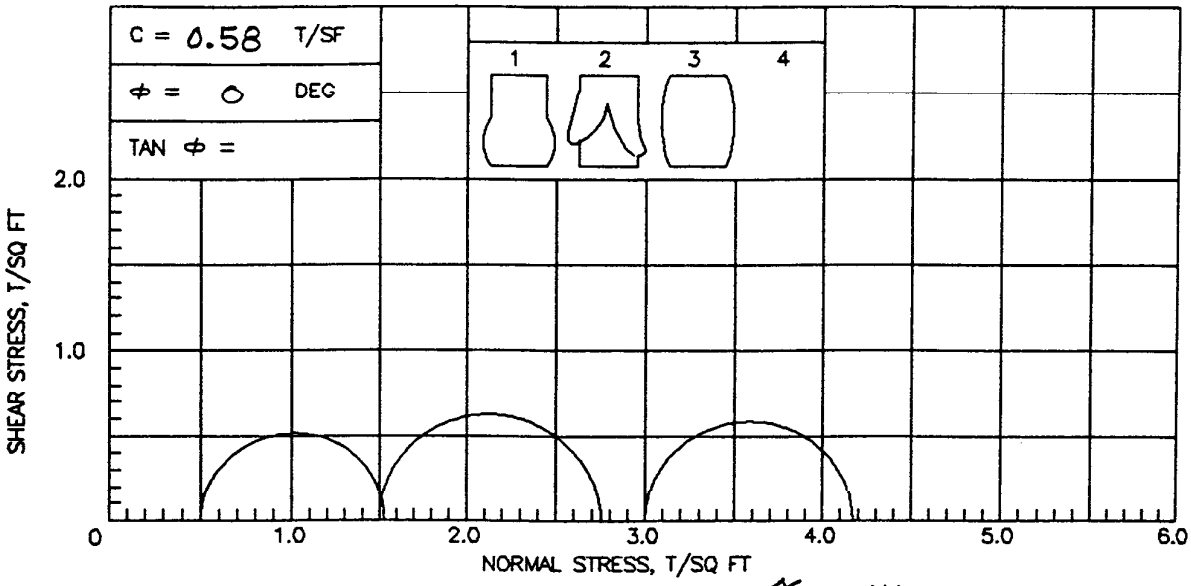
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 27B

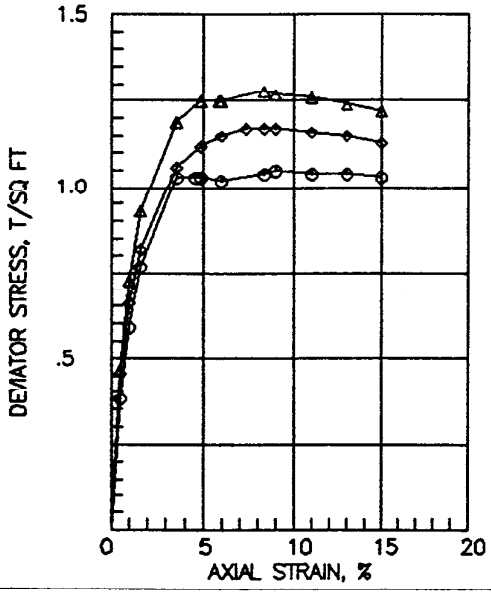
DEPTH/ELEV 118.4/-150.9 TECH. JH

LABORATORY USAE WES - STF/GL DATE 30 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 116.0 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	34.2	34.5	34.4	
	DRY DENSITY, PCF	86.3	86.5	86.3	
	SATURATION, %	96.7	98.2	97.2	
	VOID RATIO	.954	.948	.954	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		1.03	1.25	1.17	
TIME TO FAILURE, MIN.		7	26	41	
STRAIN RATE INCR., %			6		
INITIAL DIAMETER, IN.		1.37	1.36	1.37	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; FINE SAND LENSES; SILT SEAMS

LL 53	PL 19	PI 34	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

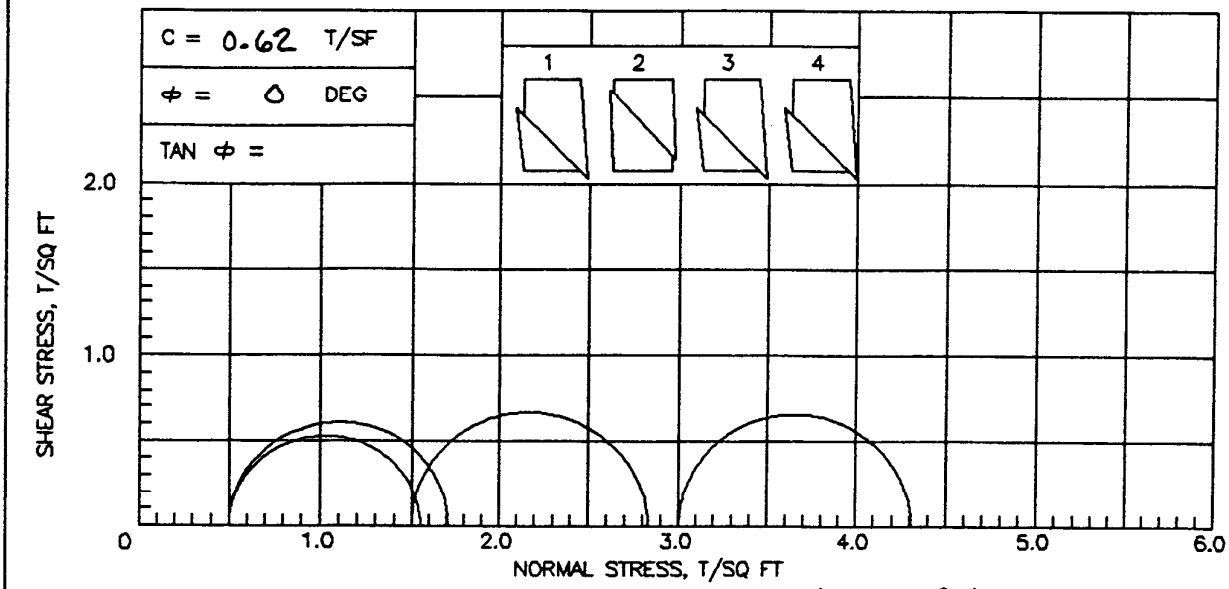
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 23B

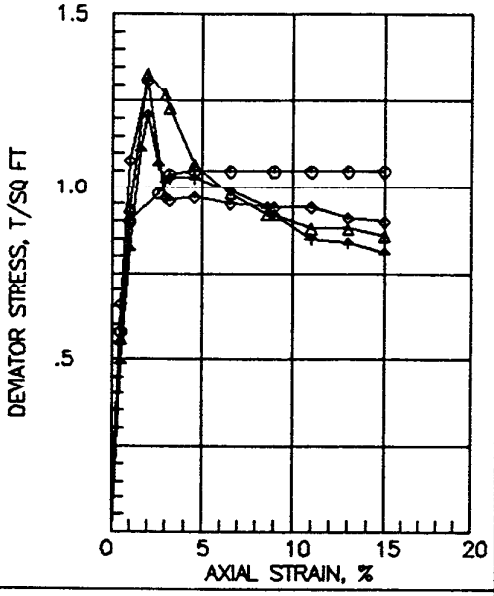
DEPTH/ELEV 102/-134.5 TECH. JH

LABORATORY USAE WES - STF/GL DATE 30 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 112.1 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	+ 4
INITIAL	WATER CONTENT, %	42.3	42.2	43.4	42.5
	DRY DENSITY, PCF	78.3	79.4	78.0	78.5
	SATURATION, %	99.2	100+	100+	100+
	VOID RATIO	1.153	1.123	1.162	1.148
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	.50
MAX. DEV. STRESS, TSF		1.05	1.33	1.31	1.21
TIME TO FAILURE, MIN.		9	15	16	14
STRAIN RATE INCR., %			8	3	5
INITIAL DIAMETER, IN.		1.37	1.36	1.36	1.37
INITIAL HEIGHT, IN.		3.00	3.00	3.00	3.00

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT LENSES

LL 69	PL 18	PI 51	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

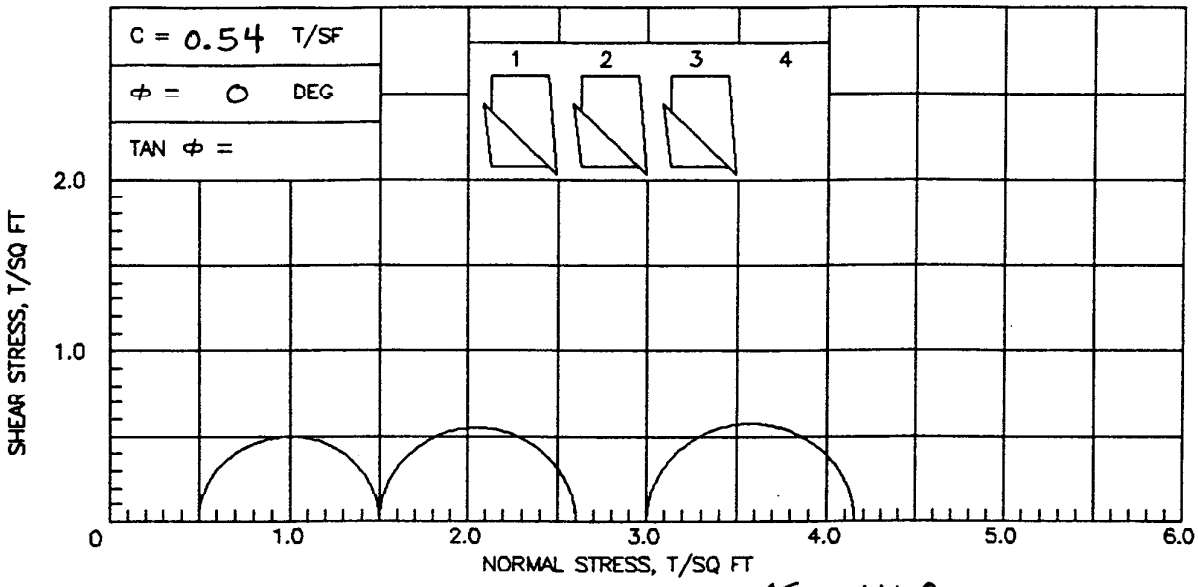
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 19C

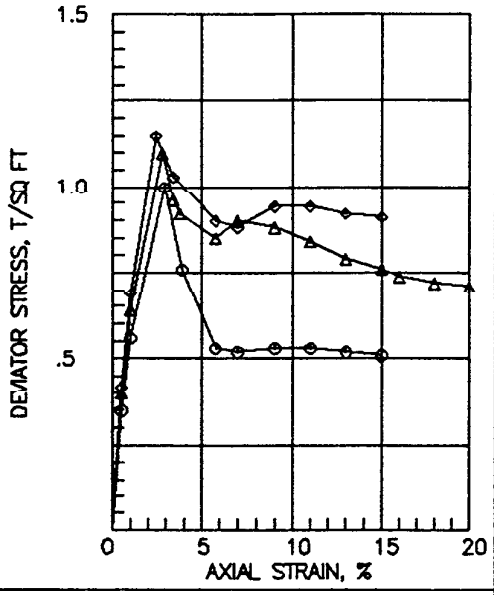
DEPTH/ELEV 87.0/-119.5 TECH. JH

LABORATORY USAE WES - STF/GL DATE 25 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 111.8 PCF



	SPECIMEN NO.	○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	45.1	44.1	41.2	
	DRY DENSITY, PCF	76.4	77.4	79.9	
	SATURATION, %	100+	100+	100+	
	VOID RATIO	1.208	1.177	1.110	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		1.00	1.10	1.15	
TIME TO FAILURE, MIN.		5	14	12	
STRAIN RATE INCR., %			5	7	
INITIAL DIAMETER, IN.		1.36	1.37	1.37	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT SEAMS

LL 56	PL 18	PI 38	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

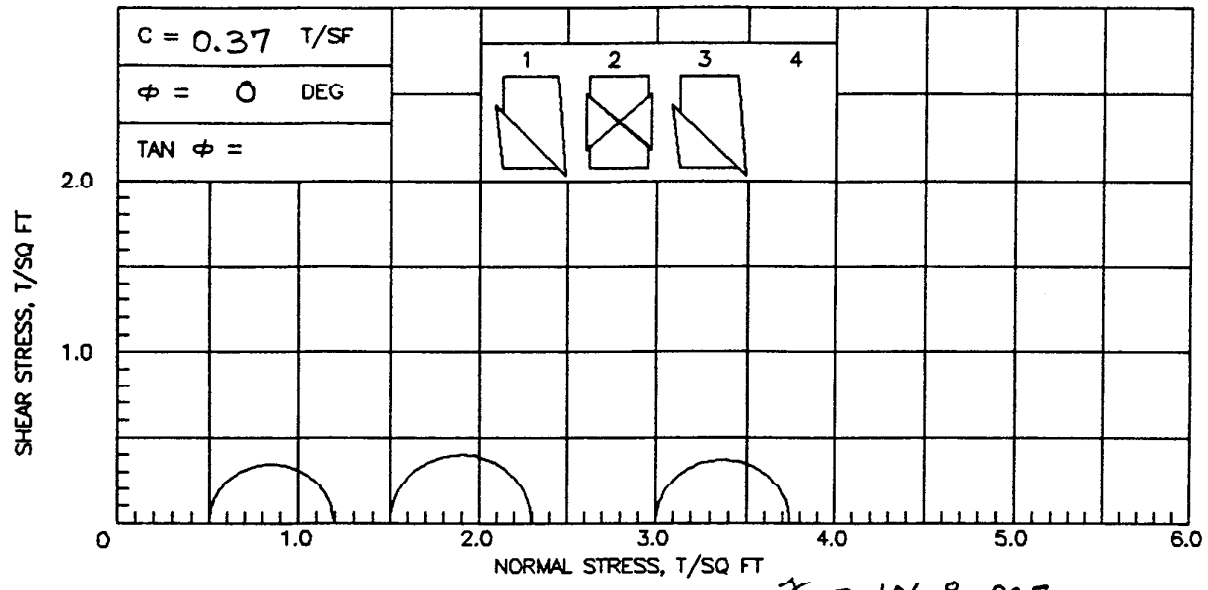
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 16C

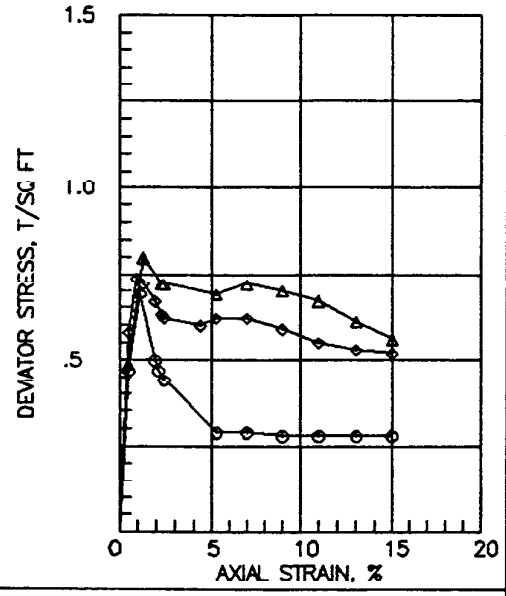
DEPTH/ELEV 75.0/-107.5 TECH. JH

LABORATORY USAE WES - STF/GL DATE 24 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 106.8 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	54.3	53.6	53.2	
	DRY DENSITY, PCF	69.1	69.4	69.9	
	SATURATION, %	100+	100+	100+	
	VOID RATIO	1.440	1.428	1.412	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		.69	.80	.74	
TIME TO FAILURE, MIN.		2	7	5	
STRAIN RATE INCR., %			5	4	
INITIAL DIAMETER, IN.		1.37	1.37	1.36	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT SEAMS

LL 47	PL 19	PI 28	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

LIMITS ON MIXTURE OF MATERIALS

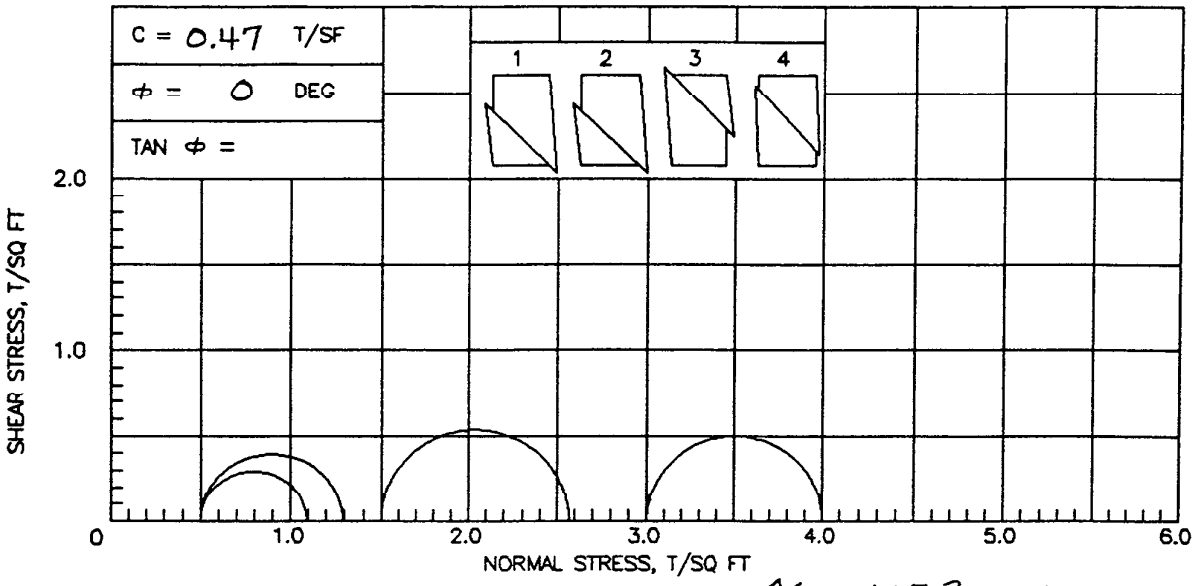
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 10C

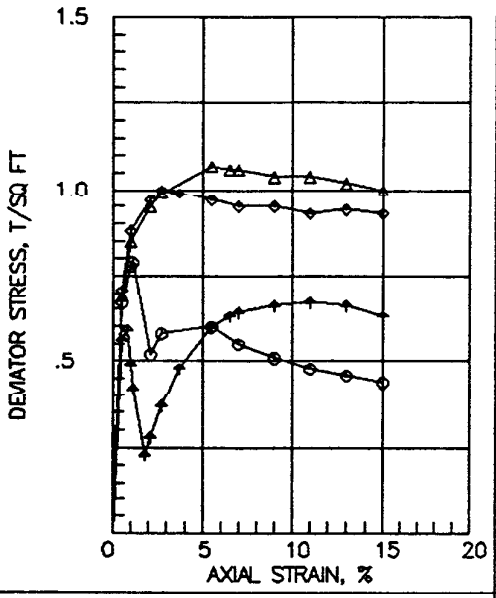
DEPTH/ELEV 51.3/-83.8 TECH. JH

LABORATORY USAE WES - STF/GL DATE 23 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 107.3 PCF



	SPECIMEN NO.	○ 1	△ 2	◇ 3	+ 4
INITIAL	WATER CONTENT, %	54.3	51.7	52.4	53.0
	DRY DENSITY, PCF	69.6	70.6	70.5	69.3
	SATURATION, %	100+	100+	100+	99.7
	VOID RATIO	1.423	1.387	1.390	1.434
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	.50
MAX. DEV. STRESS, TSF		.79	1.07	1.00	.59
TIME TO FAILURE, MIN.		2	29	14	6
STRAIN RATE INCR., %					3
INITIAL DIAMETER, IN.		1.37	1.37	1.36	1.37
INITIAL HEIGHT, IN.		3.00	3.00	3.00	3.00

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

LL 98	PL 22	PI 76	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

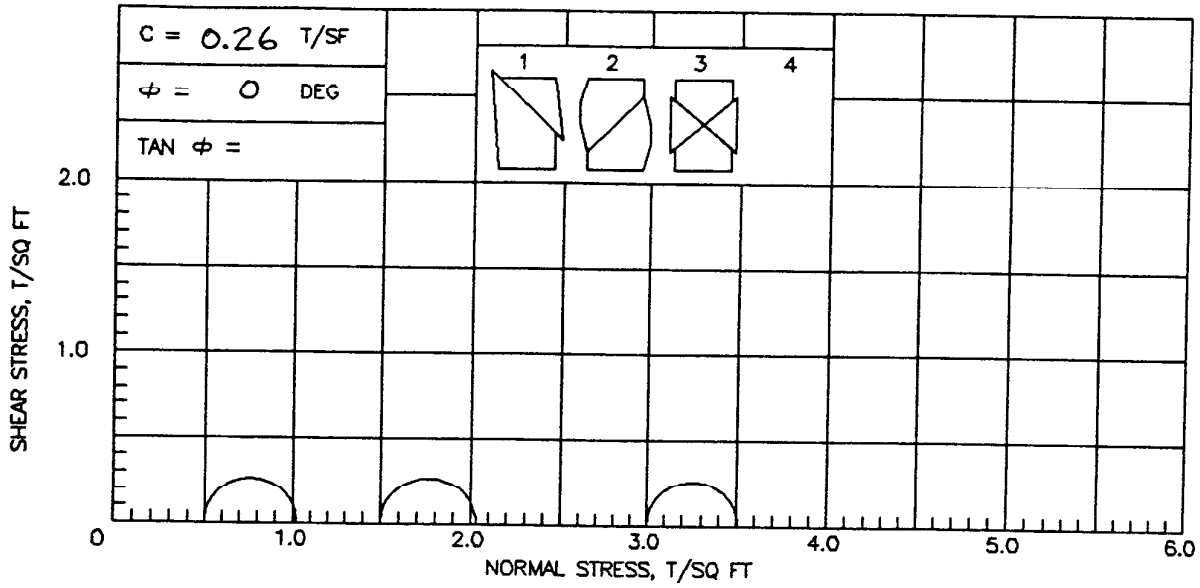
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 8C

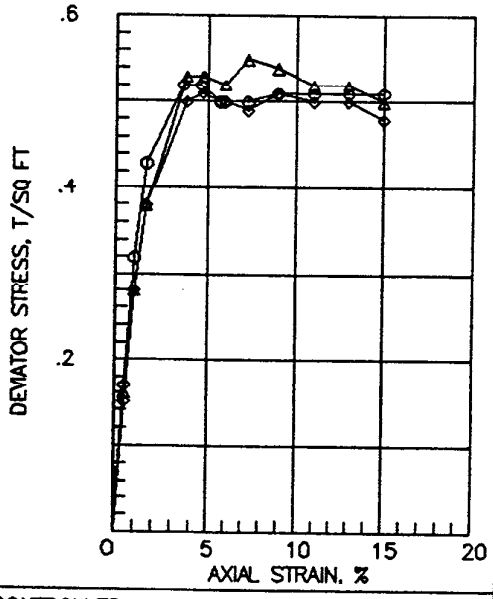
DEPTH/ELEV 43.3/-75.8 TECH. JH

LABORATORY USAE WES - STF/GL DATE 09 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



$\gamma_w = 115.0$ PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	38.3	33.6	36.5	
	DRY DENSITY, PCF	82.5	87.2	83.8	
	SATURATION, %	99.0	97.3	97.6	
	VOID RATIO	1.044	.933	1.010	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		.52	.53	.51	
TIME TO FAILURE, MIN.		7	21	27	
STRAIN RATE INCR., %			6	7	
INITIAL DIAMETER, IN.		1.35	1.36	1.36	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CL), GRAY; FINE SAND LENSES

LL 36	PL 15	PI 21	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

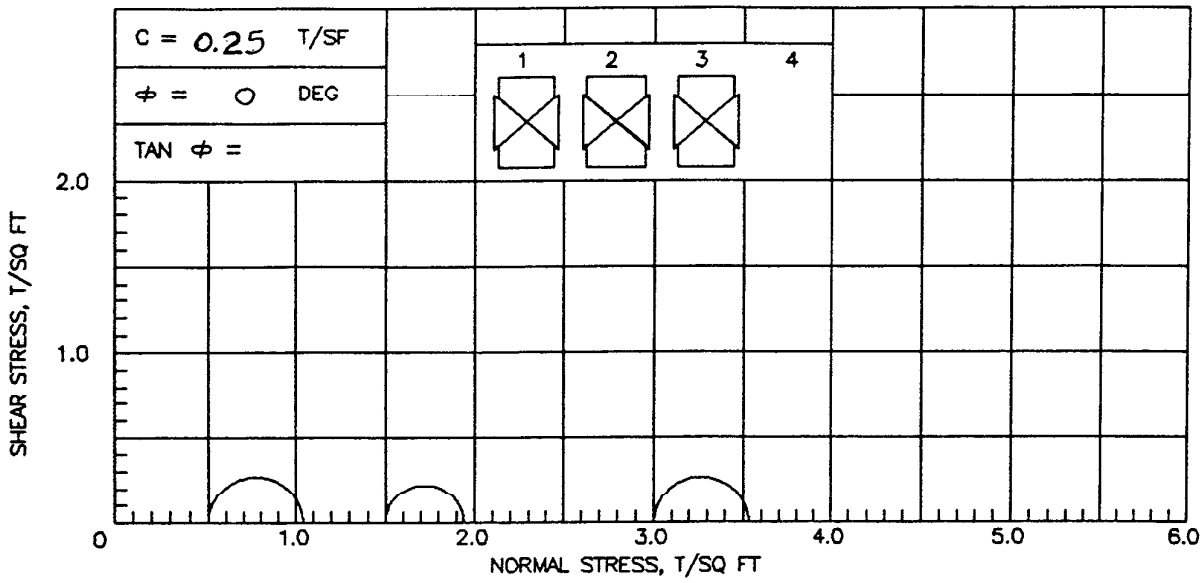
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 4C

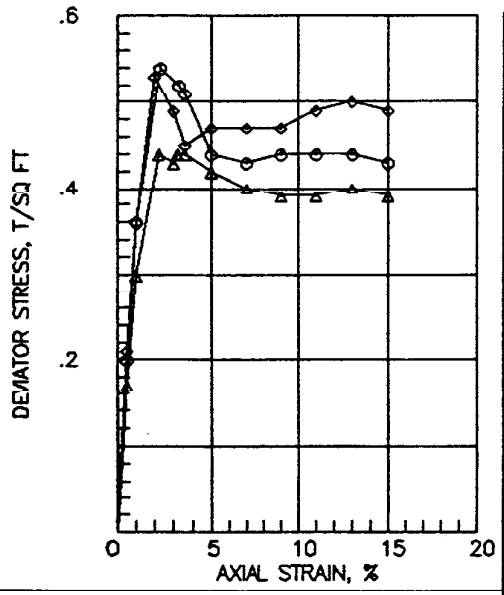
DEPTH/ELEV 27.0/-59.5 TECH. JH

LABORATORY USAE WES - STF/GL DATE 08 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 106.2 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	48.6	52.8	50.6	
	DRY DENSITY, PCF	72.3	68.7	70.6	
	SATURATION, %	98.5	98.0	98.3	
	VOID RATIO	1.331	1.455	1.389	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		.54	.44	.53	
TIME TO FAILURE, MIN.		4	12	12	
STRAIN RATE INCR., %				3	
INITIAL DIAMETER, IN.		1.36	1.36	1.35	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT LENSES

LL 51	PL 16	PI 35	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

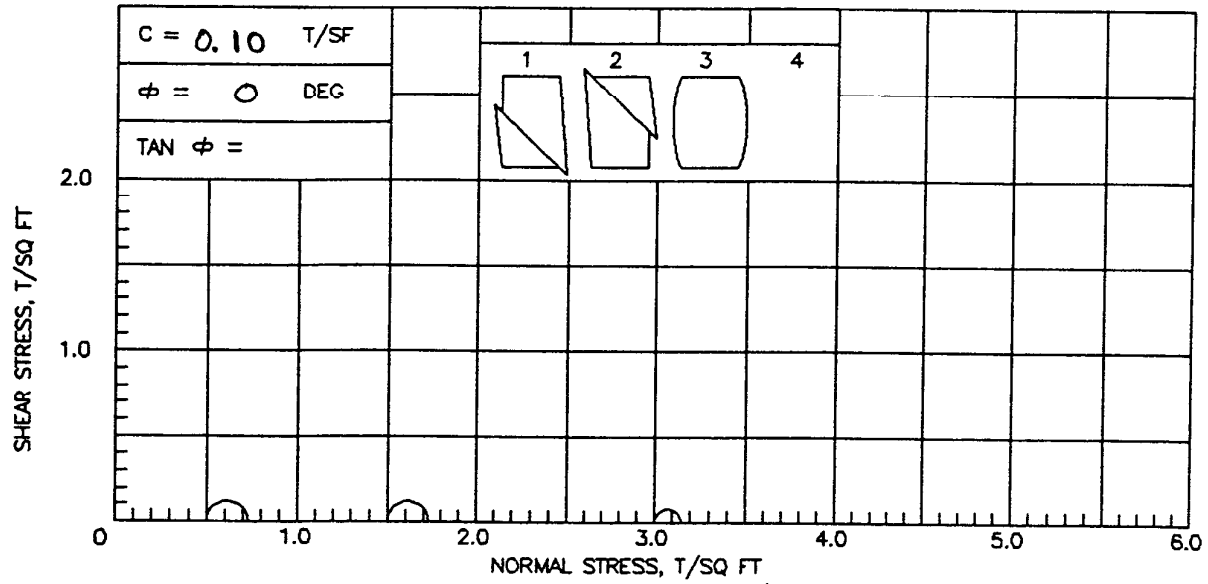
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-1U SAMPLE NO. 3B

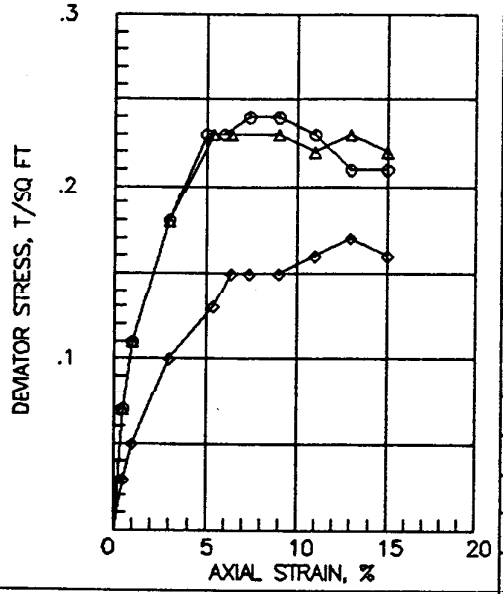
DEPTH/ELEV 22.0/-54.5 TECH. JH

LABORATORY USAE WES - STF/GL DATE 05 JUN 92

TRIAXIAL COMPRESSION TEST REPORT



γ_w = 95.4 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	82.8	83.3	81.8	
	DRY DENSITY, PCF	52.4	52.1	52.2	
	SATURATION, %	100+	100+	99.1	
	VOID RATIO	2.217	2.236	2.227	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		.23	.23	.15	
TIME TO FAILURE, MIN.		10	24	26	
STRAIN RATE INCR., %					
INITIAL DIAMETER, IN.		1.36	1.36	1.36	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED–STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

LL 95	PL 23	PI 72	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

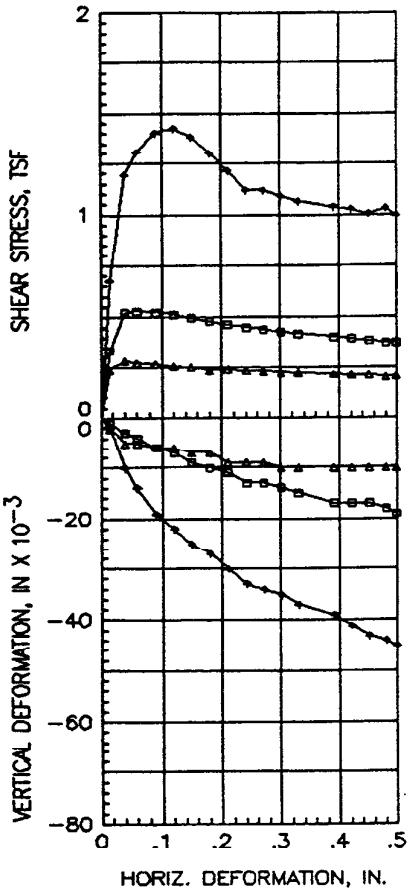
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

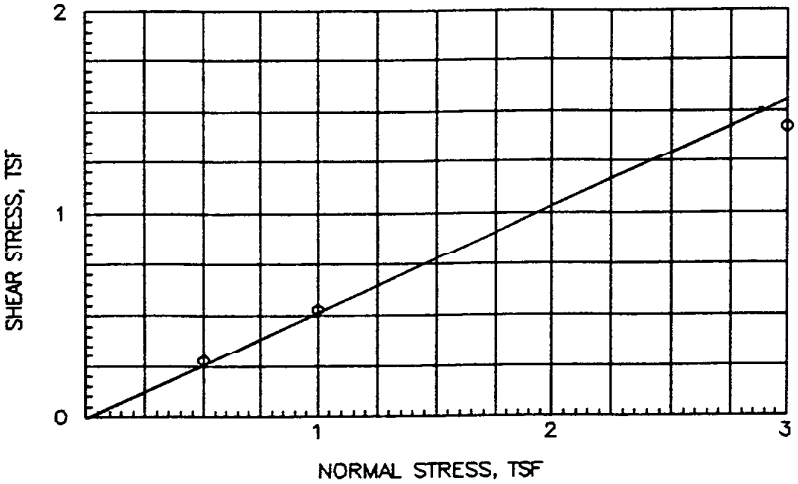
BORING NO. NC–1U SAMPLE NO. 1C

DEPTH/ELEV 15.0/–47.5 TECH. JH

LABORATORY USAE WES – STF/GL DATE 04 JUN 92

TRIAXIAL COMPRESSION TEST REPORT





ϕ = 27.5 DEG

TAN ϕ = 0.521

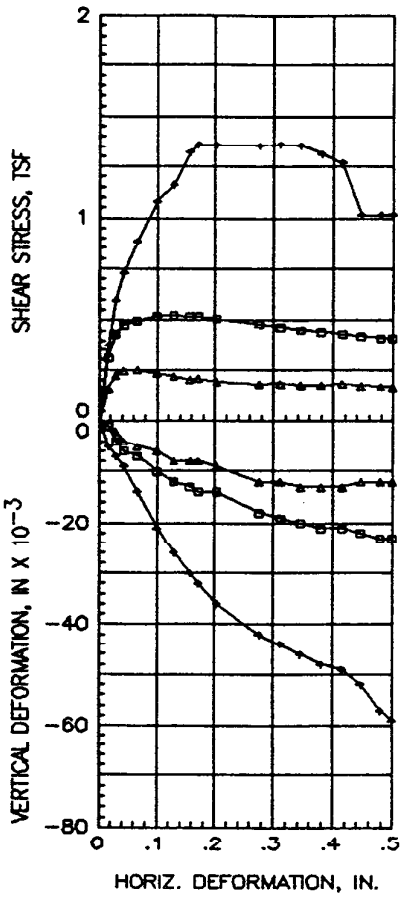
c = 0 T/SF

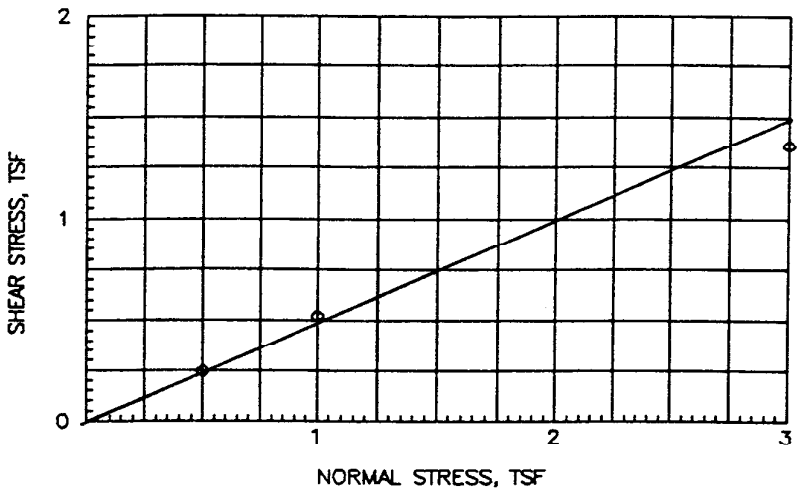
TEST NO.		1 ▲	2 □	3 ◆
INITAL	WATER CONTENT, %	45.5	38.1	33.2
	VOID RATIO	1.216	1.052	.903
	SATURATION, %	100+	97.7	99.2
	DRY DENSITY, PCF	76.0	82.1	88.5
VOID RATIO AFTER CONSOL				
FIFTY PERCENT CONSOL, MIN		< 1	< 1	< 1
FINAL	WATER CONTENT, %	44.0	40.5	32.7
	VOID RATIO			
	SATURATION, %			
NORMAL STRESS, TSF		.50	1.00	3.00
MAXIMUM SHEAR STRESS, TSF		.28	.53	1.42
TIME TO FAILURE, MIN		221	332	664
RATE OF STRAIN, IN/MIN		.00018	.00018	.00018
ULTIMATE SHEAR STRESS, TSF				

TYPE SPECIMEN UNDISTURBED	3.00 IN. SQUARE	.552 IN. THICK
CLASSIFICATION CLAY (CH), GRAY; SLICKENSIDED; SHELL PARTICLES		

LL 61	PL 17	PI 44		GS 2.70 (EST)

REMARKS;	PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF	
	CLAIBORNE, NEW ORLEANS	
	BORING NO. NC-1U	SAMPLE 9C
	DEPTH/ELEV 47.0/-79.5	TECH. US
	LABORATORY USAE WES - STF/GL	DATE 06 AUG 92
	DIRECT SHEAR TEST REPORT	





Φ = 26.3 DEG

TAN Φ = 0.494

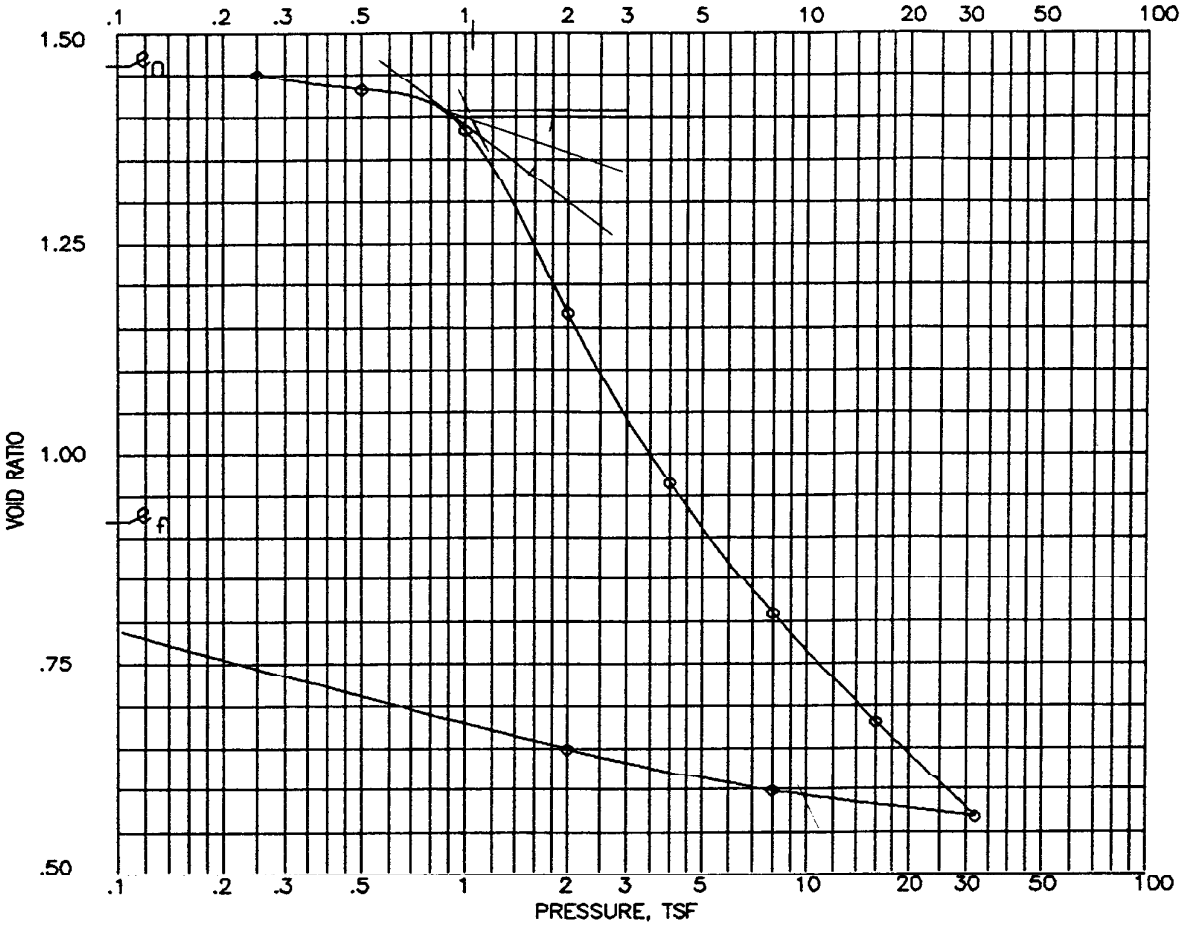
C = 0 T/SF

TEST NO.		1 ▲	2 □	3 +	
INITAL	WATER CONTENT, %	41.9	33.4	45.2	
	VOID RATIO	1.200	.978	1.272	
	SATURATION, %	94.3	92.1	96.0	
	DRY DENSITY, PCF	76.6	85.2	74.1	
VOID RATIO AFTER CONSOL					
FIFTY PERCENT CONSOL, MIN		< 1	< 1	< 1	
FINAL	WATER CONTENT, %	51.2	37.1	37.2	
	VOID RATIO				
	SATURATION, %				
NORMAL STRESS, TSF		.50	1.00	3.00	
MAXIMUM SHEAR STRESS, TSF		.25	.53	1.36	
TIME TO FAILURE, MIN		365	714	946	
RATE OF STRAIN, IN/MIN		.00018	.00018	.00018	
ULTIMATE SHEAR STRESS, TSF					

TYPE SPECIMEN UNDISTURBED	3.00 IN. SQUARE	.552 IN. THICK
CLASSIFICATION CLAY (CH), GRAY; SILT SEAMS		

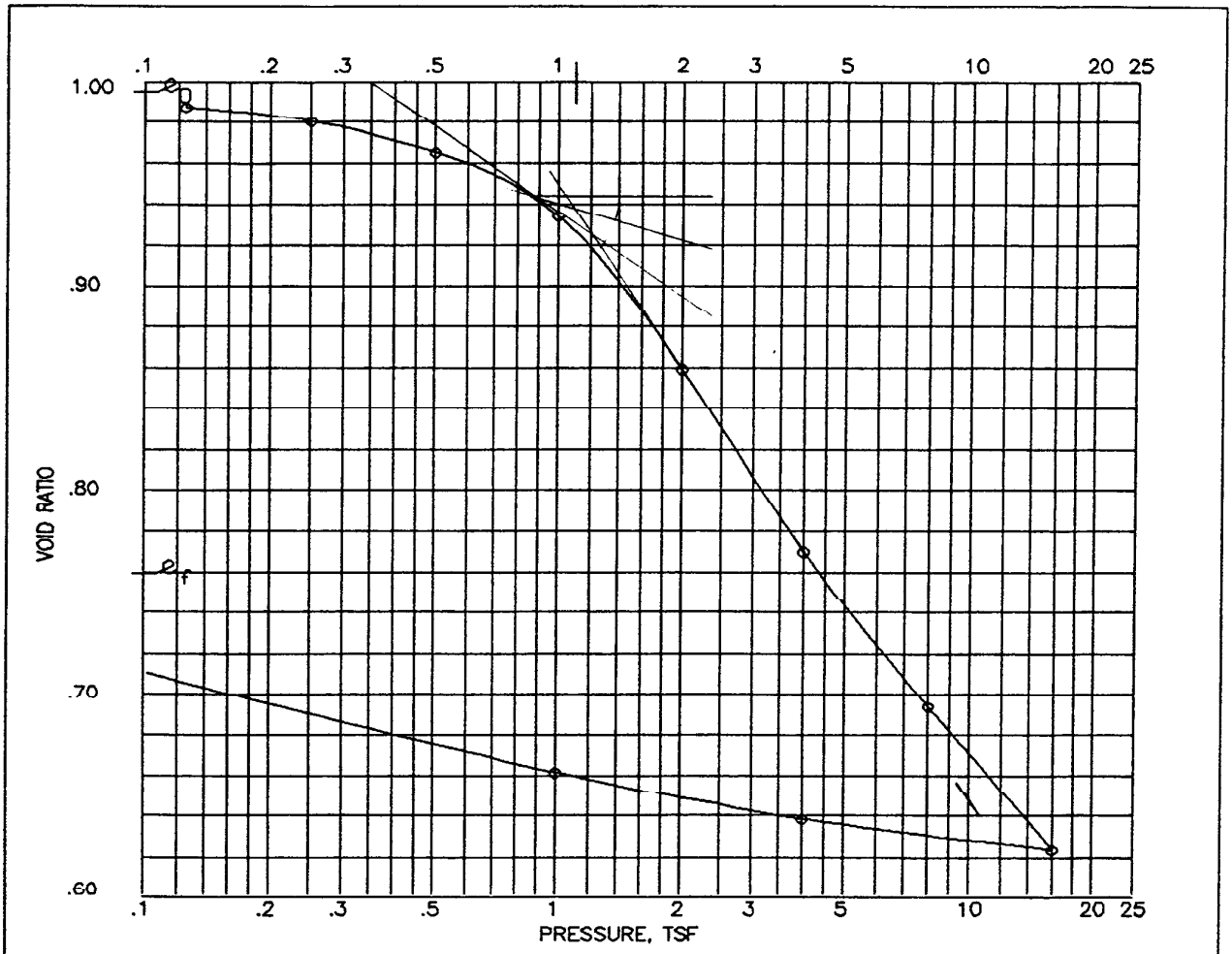
LL 53	PL 18	PI 35		GS 2.70 (EST)

REMARKS;	PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF	
	CLAIBORNE, NEW ORLEANS	
	BORING NO. NC-1U	SAMPLE 22D
	DEPTH/ELEV 99.9/-132.4	TECH. US
	LABORATORY USAE WES - STF/GL	DATE 10 AUG 92
	DIRECT SHEAR TEST REPORT	



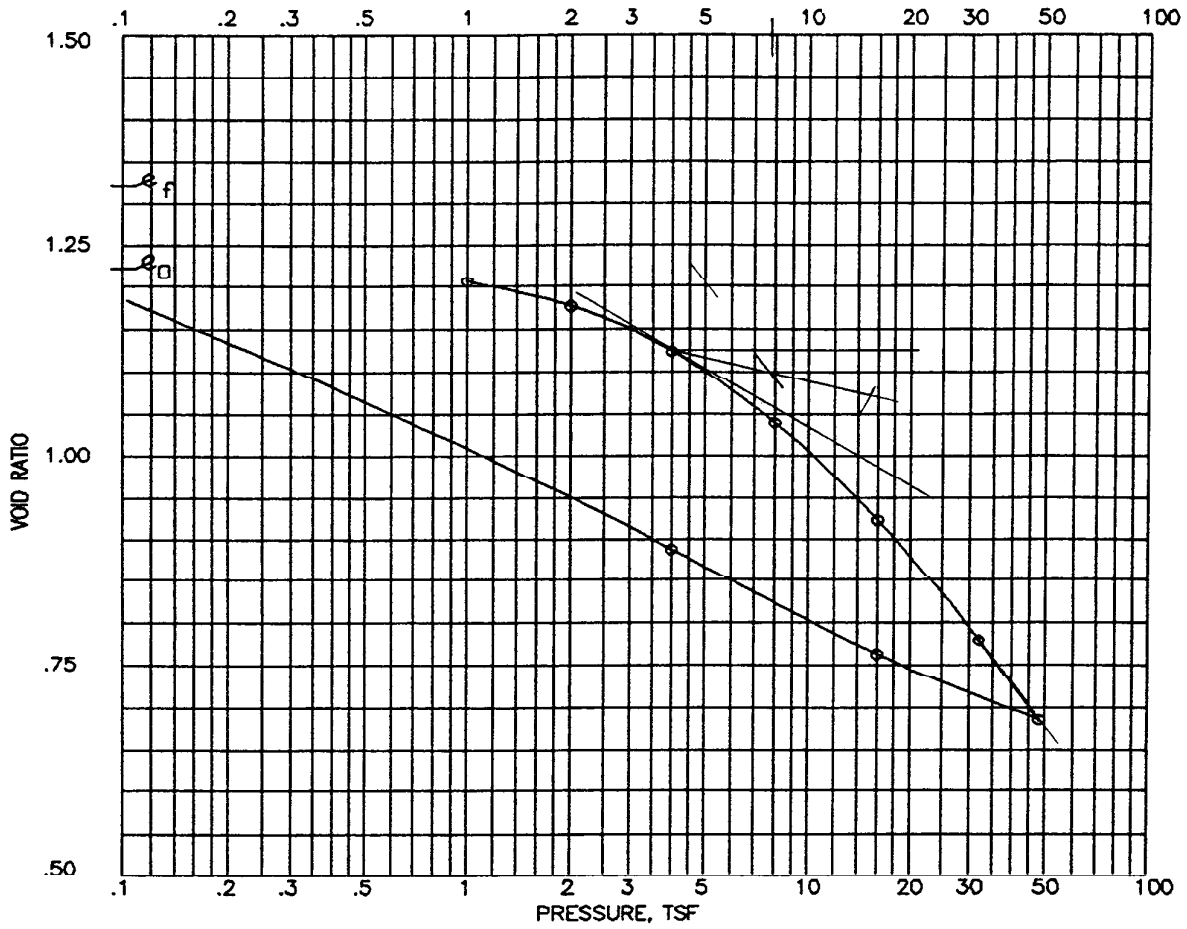
γ_w= 104.33 PCF

			BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		WATER CONTENT, %	52.3	33.7
PRECONSOL. PRESSURE, TSF	1.05	DRY DENSITY, PCF	68.5	87.9
COMPRESSION INDEX	0.83	SATURATION, %	96.6	99.2
TYPE SPECIMEN	UNDISTURBED	VOID RATIO	1.461	.918
DIA. IN 4.44	HT. IN 1.120	BACK PRESSURE, TSF		
CLASSIFICATION	CLAY (CH), GRAY; FINE SAND LENSES			
LL 58 / PL 15 / PI 43		PROJECT	I.H.N.C. NEW SHIPLOCK NORTH OF	
GS 2.70 (EST)	D_{10}	CLAIBORNE, NEW ORLEANS		
REMARKS:		BORING NO. NC-1U	SAMPLE NO. 3C	
		DEPTH/ELEV 23.2/-55.7	TECH. US	
		LABORATORY USAE WES - STF/GL	DATE 03 AUG 92	
		CONSOLIDATION TEST REPORT		



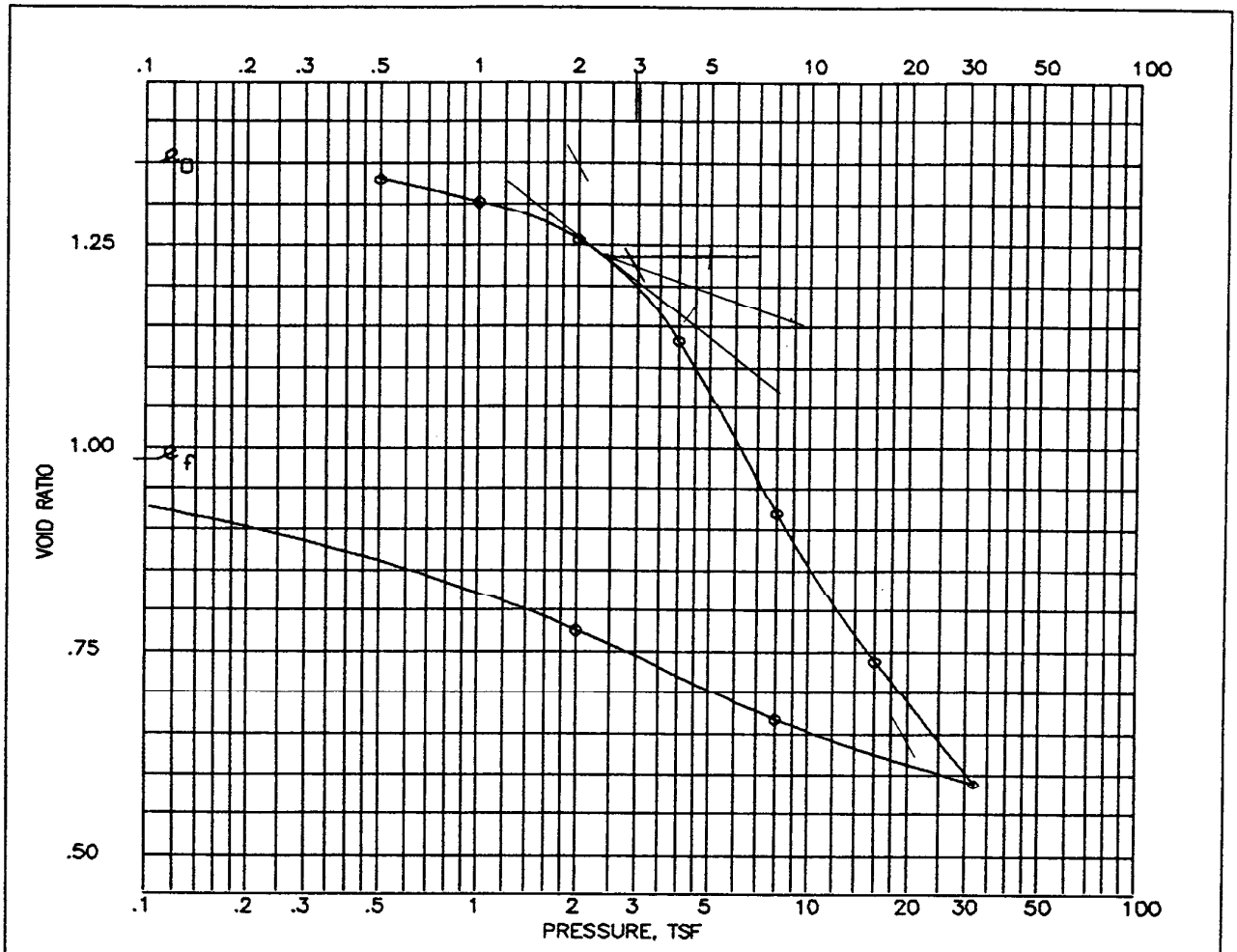
wet γ = 113.6 PCF

				BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF			WATER CONTENT, %	34.4	26.5
PRECONSOL. PRESSURE, TSF		1.1	DRY DENSITY, PCF	84.5	95.9
COMPRESSION INDEX		0.30	SATURATION, %	93.5	94.5
TYPE SPECIMEN	UNDISTURBED		VOID RATIO	.994	.759
DIA. IN 4.44	HT. IN 1.157		BACK PRESSURE, TSF		
CLASSIFICATION	CLAY (CL), GRAY; FINE SAND POCKETS				
LL 34	PL 13	PI 21	PROJECT	I.H.N.C. NEW SHIPLOCK NORTH OF	
GS 2.70 (EST)	D_{10}		CLAIBORNE, NEW ORLEANS		
REMARKS:			BORING NO. NC-1U	SAMPLE NO. 4D	
			DEPTH/ELEV 28.0/-60.5	TECH. US	
			LABORATORY USAE WES - STF/GL	DATE 03 AUG 92	
			CONSOLIDATION TEST REPORT		



γ_w = 111.0 PCF

				BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF			WATER CONTENT, %	46.2	51.3
PRECONSOL. PRESSURE, TSF	7.7		DRY DENSITY, PCF	75.9	72.7
COMPRESSION INDEX	0.52		SATURATION, %	100 +	100 +
TYPE SPECIMEN	UNDISTURBED		VOID RATIO	1.221	1.318
DIA. IN 4.44	HT. IN 1.121		BACK PRESSURE, TSF		
CLASSIFICATION	CLAY (CH), GRAY				
LL 89	PL 23	PI 66	PROJECT	I.H.N.C. NEW SHIPLOCK NORTH OF	
GS 2.70 (EST)	D_{10}		CLAIBORNE, NEW ORLEANS		
REMARKS:			BORING NO. NC-1U	SAMPLE NO. 8B	
			DEPTH/ELEV 42.0/-74.5	TECH. US	
			LABORATORY USAE WES - STF/GL	DATE 31 AUG 92	
			CONSOLIDATION TEST REPORT		

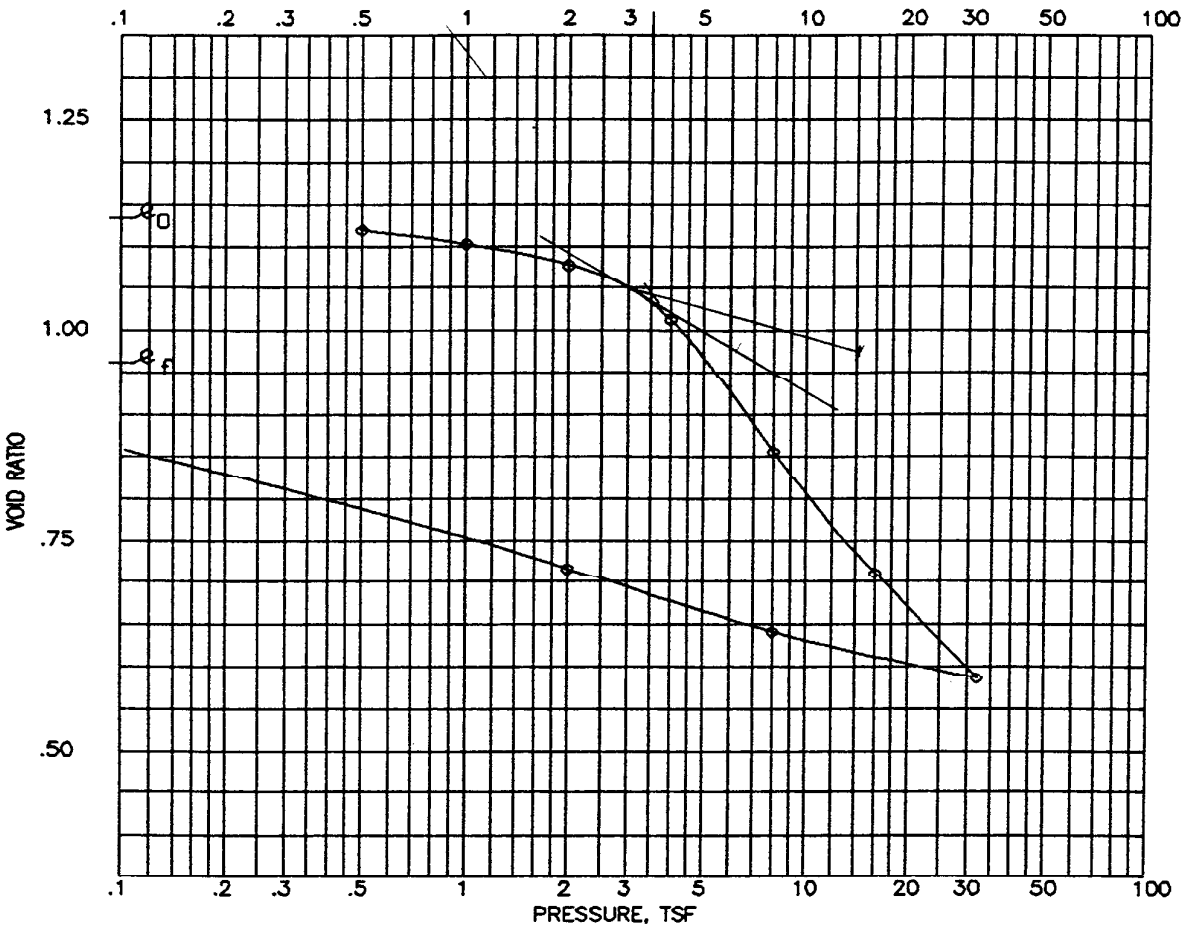


γ_w= 107.5 pcf

			BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		WATER CONTENT, %	49.7	37.8
PRECONSOL. PRESSURE, TSF	2.9	DRY DENSITY, PCF	71.6	65.0
COMPRESSION INDEX	0.71	SATURATION, %	99.5	100 +
TYPE SPECIMEN UNDISTURBED		VOID RATIO	1.348	.983
DIA. IN 4.44	HT. IN 1.123	BACK PRESSURE, TSF		

CLASSIFICATION CLAY (CH), GRAY

LL 73	PL 21	PI 52	PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF
GS 2.70 (EST)	D_{10}		CLAIBORNE, NEW ORLEANS
REMARKS:		BORING NO. NC-1U	SAMPLE NO. 15C
		DEPTH/ELEV 71.3/-103.8	TECH. US
		LABORATORY USAE WES - STF/GL	DATE 03 AUG 92
		CONSOLIDATION TEST REPORT	



γ_w = 112.3 PCF

			BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		WATER CONTENT, %	42.0	36.8
PRECONSOL. PRESSURE, TSF	3.5	DRY DENSITY, PCF	79.1	86.0
COMPRESSION INDEX	0.52	SATURATION, %	100 +	100 +
TYPE SPECIMEN	UNDISTURBED	VOID RATIO	1.132	.960
DIA. IN 4.44	HT. IN 1.109	BACK PRESSURE, TSF		

CLASSIFICATION: CLAY (CH), GRAY

LL 69 | PL 17 | PI 52

GS 2.70 (EST) | D_{10}

PROJECT: I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

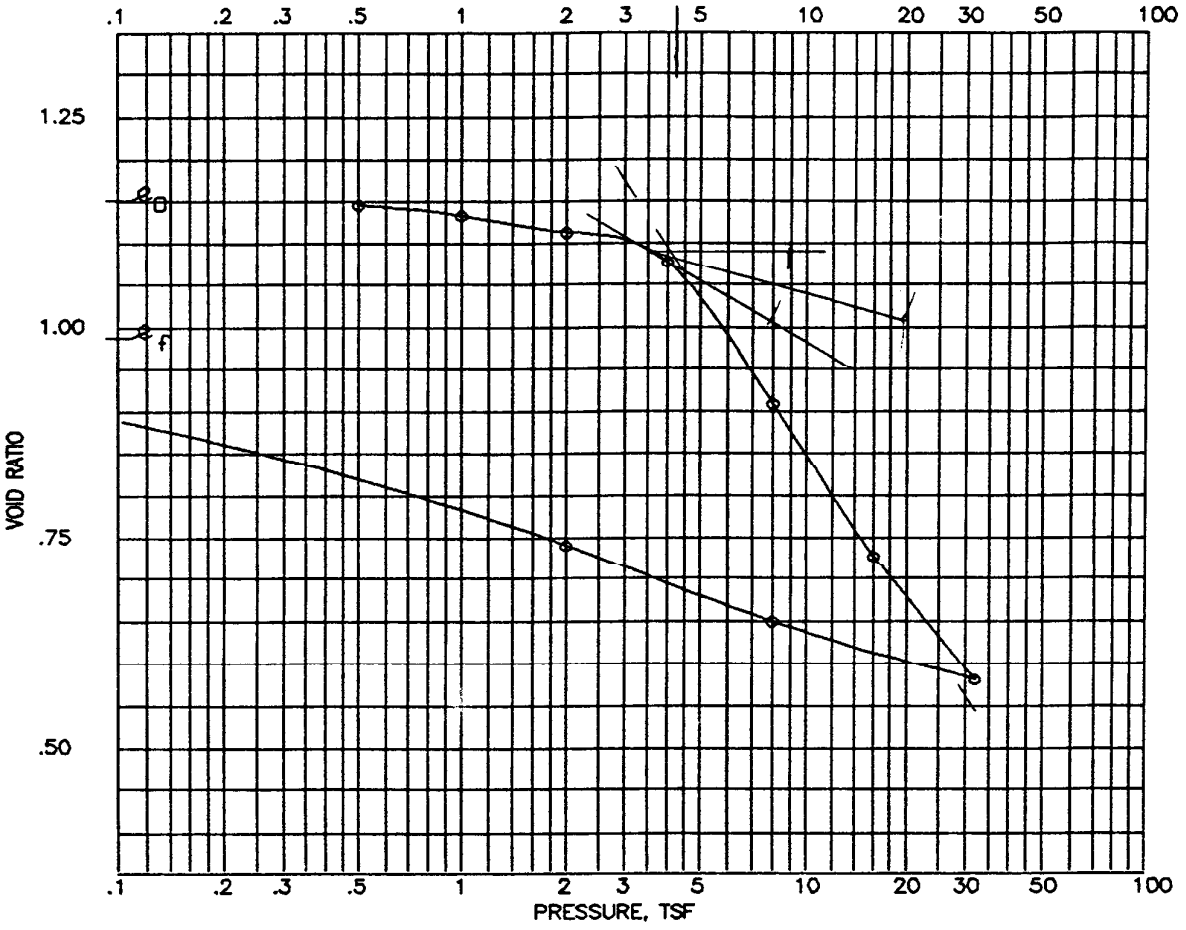
REMARKS:

BORING NO. NC-1U | SAMPLE NO. 21B

DEPTH/ELEV 94.0/-126.5 | TECH. US

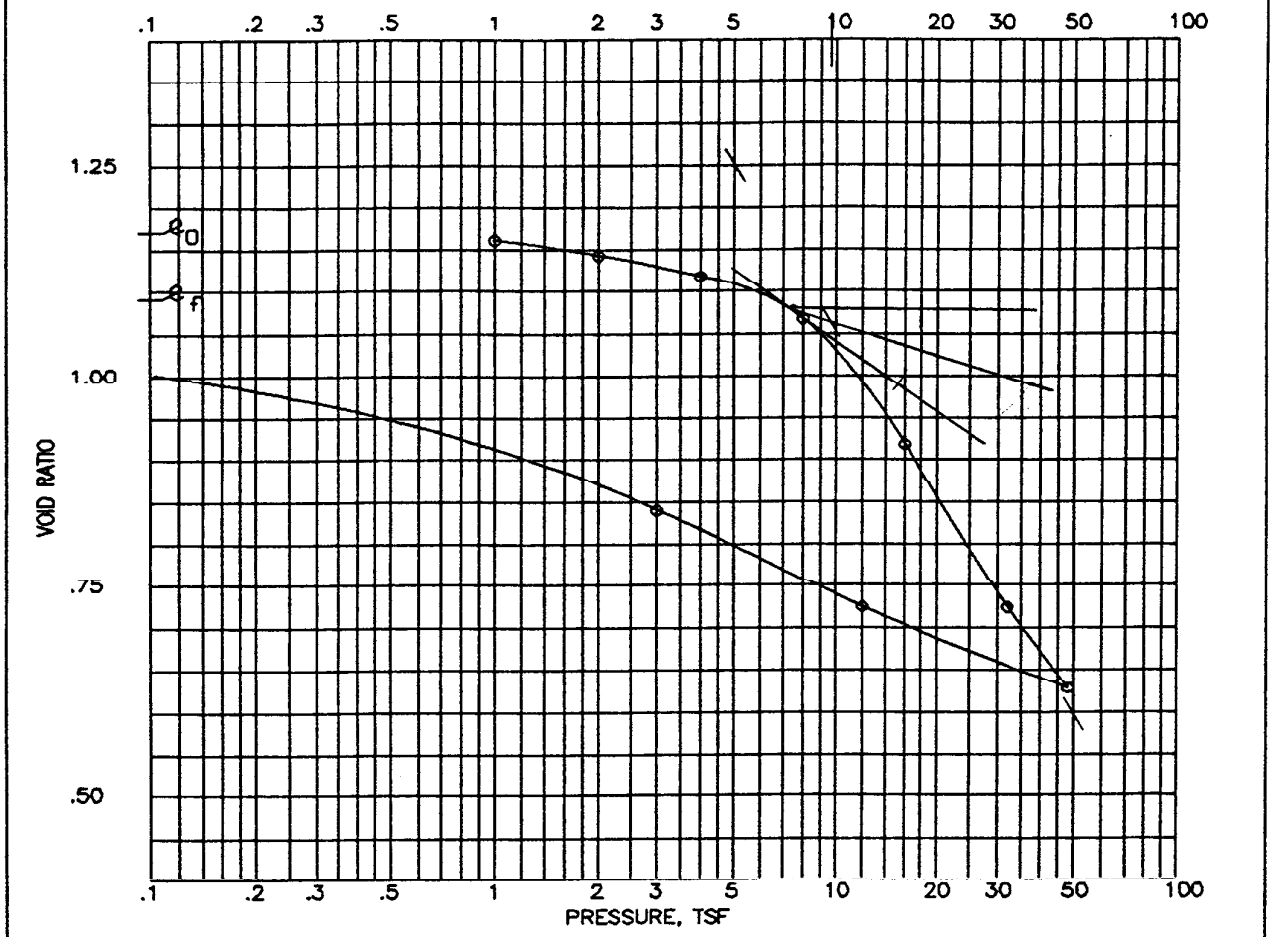
LABORATORY USAE WES - STF/GL | DATE 03 AUG 92

CONSOLIDATION TEST REPORT



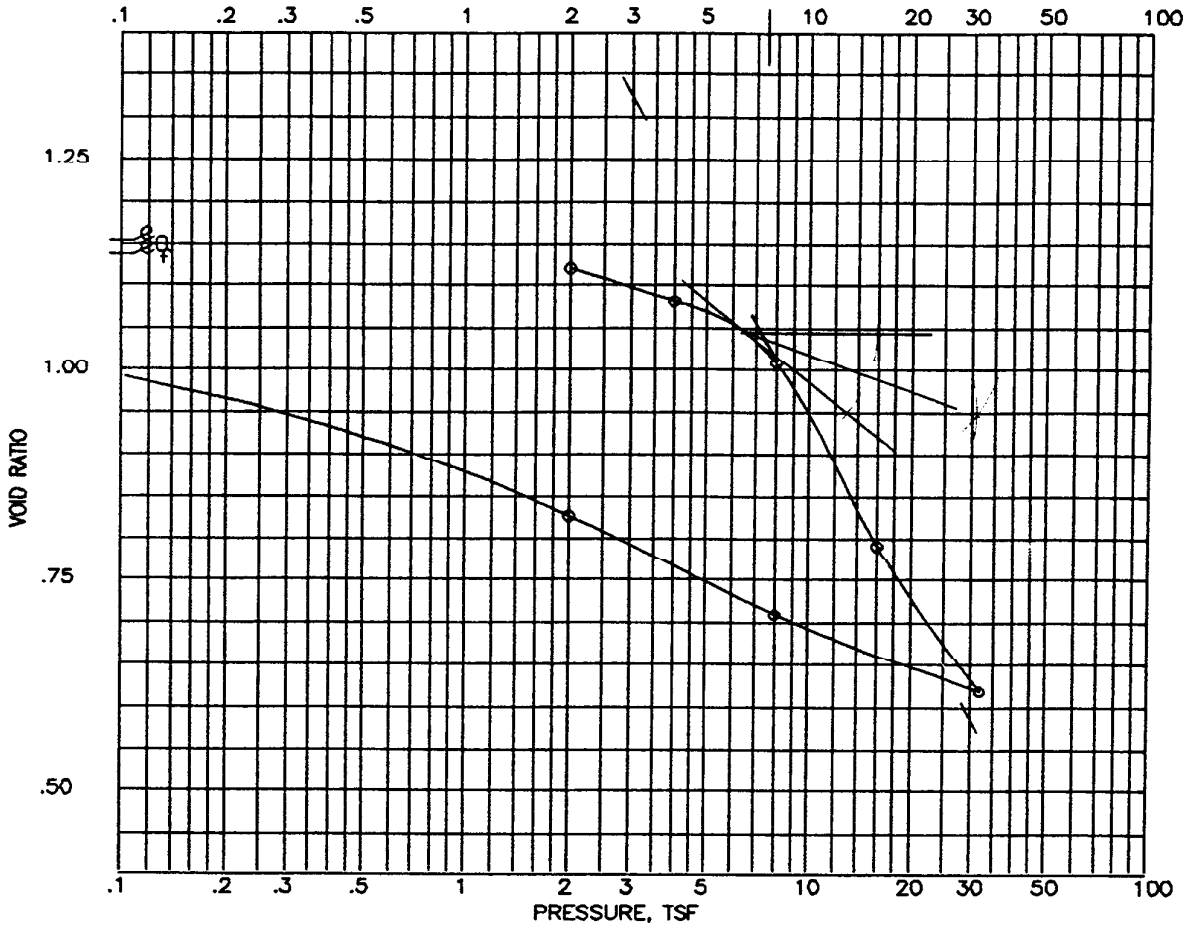
γ_w = 111.5 pcF

			BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		WATER CONTENT, %	42.2	37.7
PRECONSOL. PRESSURE, TSF	4.2	DRY DENSITY, PCF	78.4	84.9
COMPRESSION INDEX	0.61	SATURATION, %	99.2	100 +
TYPE SPECIMEN	UNDISTURBED	VOID RATIO	1.149	.986
DIA. IN 4.44	HT. IN 1.112	BACK PRESSURE, TSF		
CLASSIFICATION	CLAY (CH), GRAY			
LL 66	PL 18 PI 48	PROJECT	I.H.N.C. NEW SHIPLOCK NORTH OF	
GS 2.70 (EST)	D_{10}		CLAIBORNE, NEW ORLEANS	
REMARKS:		BORING NO.	NC-1U	SAMPLE NO. 26C
		DEPTH/ELEV	115.3/-147.8	TECH. US
		LABORATORY	USAE WES - STF/GL	DATE 03 AUG 92
		CONSOLIDATION TEST REPORT		



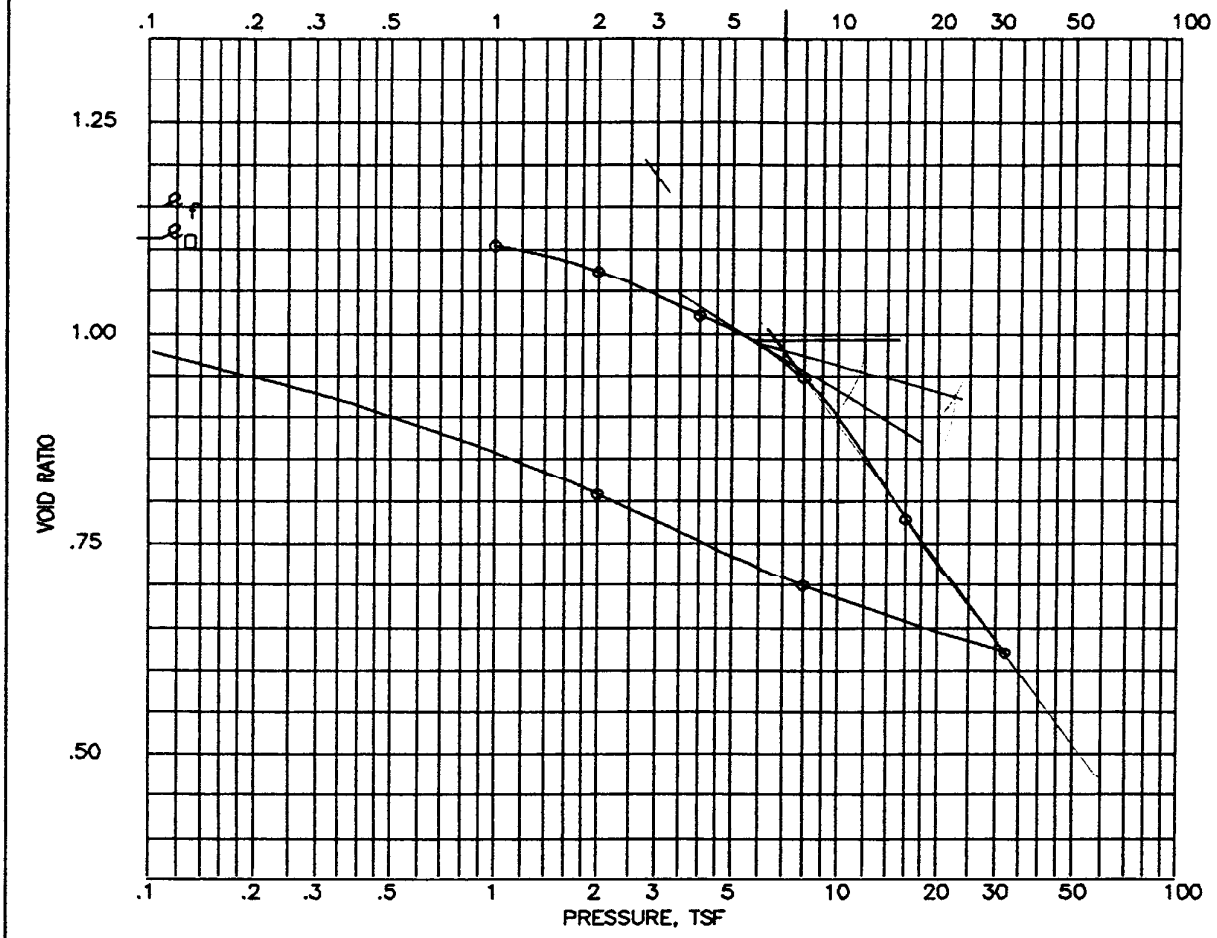
γ_w = 111.5 PCF

			BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		WATER CONTENT, %	43.5	42.2
PRECONSOL. PRESSURE, TSF	9.6	DRY DENSITY, PCF	77.7	80.7
COMPRESSION INDEX	0.65	SATURATION, %	100 +	100 +
TYPE SPECIMEN	UNDISTURBED	VOID RATIO	1.169	1.090
DIA. IN 4.44	HT. IN 1.108	BACK PRESSURE, TSF		
CLASSIFICATION	CLAY (CH), GRAY; IRON OXIDE PARTICLES			
LL 78 PL 17 PI 61		PROJECT	I.H.N.C. NEW SHIPLOCK NORTH OF	
GS 2.70 (EST)	D_{10}	CLAIBORNE, NEW ORLEANS		
REMARKS:		BORING NO.	NC-1U	SAMPLE NO. 33C
		DEPTH/ELEV	143.0/-175.5	TECH. US
		LABORATORY USAE WES - STF/GL		DATE 03 AUG 92
		CONSOLIDATION TEST REPORT		



γ_w = 112.8 PCF

			BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		WATER CONTENT, %	43.9	44.9
PRECONSOL. PRESSURE, TSF	7.4	DRY DENSITY, PCF	78.4	78.9
COMPRESSION INDEX	0.74	SATURATION, %	100 +	100 +
TYPE SPECIMEN	UNDISTURBED	VOID RATIO	1.151	1.136
DIA. IN 4.44	HT. IN 1.113	BACK PRESSURE, TSF		
CLASSIFICATION	CLAY (CH), GRAY; SILT SEAMS			
LL 72	PL 19 PI 53	PROJECT	I.H.N.C. NEW SHIPLOCK NORTH OF	
GS 2.70 (EST)	D_{10}	CLAIBORNE, NEW ORLEANS		
REMARKS:		BORING NO. NC-1U	SAMPLE NO. 40C	
		DEPTH/ELEV 171.0/-203.5	TECH. US	
		LABORATORY USAE WES - STF/GL	DATE 03 AUG 92	
		CONSOLIDATION TEST REPORT		

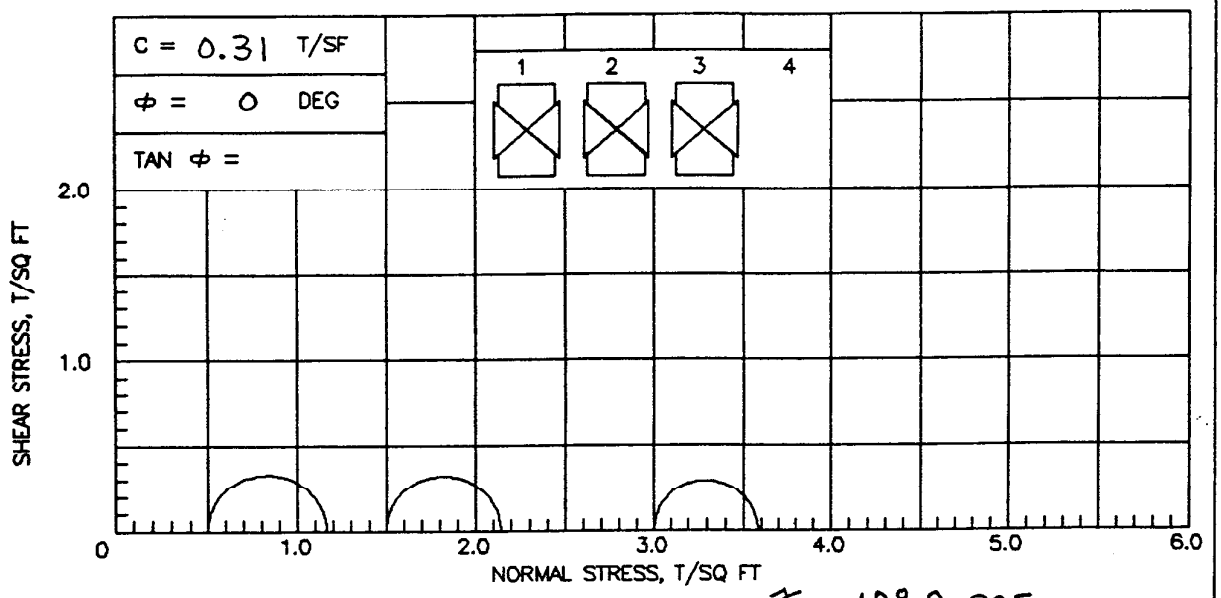


γ_w = 111.8 PCF

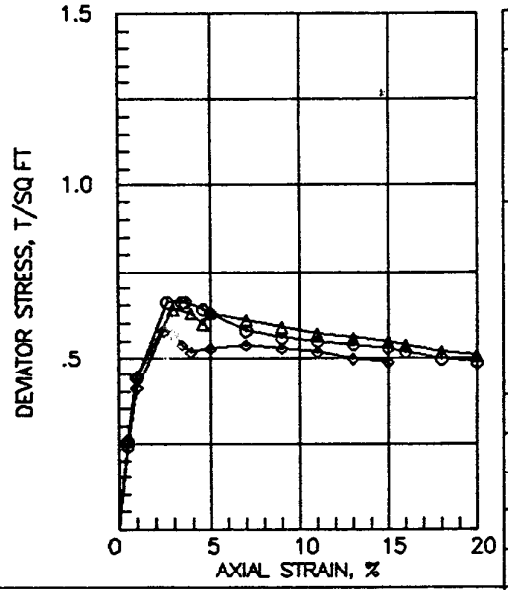
			BEFORE TEST	AFTER TEST
OVERBURDEN PRESSURE, TSF		WATER CONTENT, %	40.1	42.9
PRECONSOL. PRESSURE. TSF	7.0	DRY DENSITY. PCF	79.8	78.5
COMPRESSION INDEX	0.54	SATURATION, %	97.5	100 +
TYPE SPECIMEN	UNDISTURBED	VOID RATIO	1.111	1.147
DIA. IN 4.44	HT. IN 1.114	BACK PRESSURE, TSF		

CLASSIFICATION CLAY (CH), GRAY

LL 74	PL 19	PI 55	PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF
GS 2.70 (EST)	D_{10}		CLAIBORNE, NEW ORLEANS
REMARKS:		BORING NO. NC-1U	SAMPLE NO. 47C
		DEPTH/ELEV 198.8/-231.3	TECH. US
		LABORATORY USAE WES - STF/GL	DATE 18 AUG 92
		CONSOLIDATION TEST REPORT	



γ_w = 108.9 PCF



SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	44.3	45.0	47.6	
	DRY DENSITY, PCF	76.3	75.0	73.1	
	SATURATION, %	99.1	97.3	98.4	
	VOID RATIO	1.209	1.248	1.306	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		.66	.64	.58	
TIME TO FAILURE, MIN.		5	24	18	
STRAIN RATE INCR., %			4		
INITIAL DIAMETER, IN.		1.36	1.36	1.36	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT SEAMS

LL 52	PL 18	PI 34	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

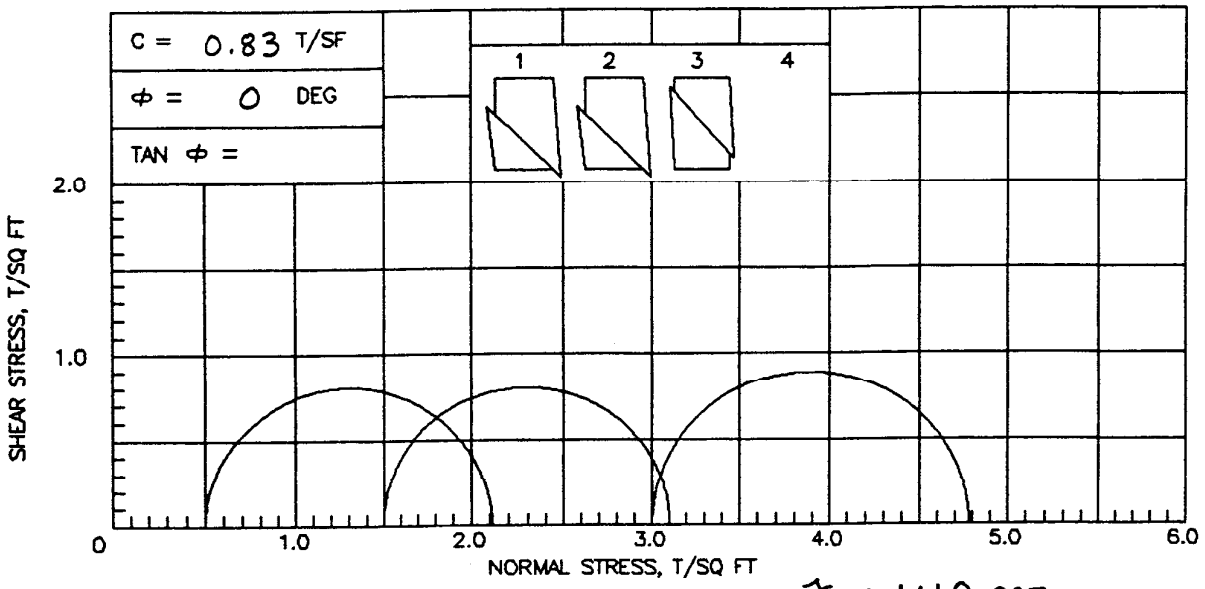
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-2U SAMPLE NO. 3B

DEPTH/ELEV 22.5/-55.0 TECH. JH

LABORATORY USAE WES - STF/GL DATE 06 JUL 92

TRIAXIAL COMPRESSION TEST REPORT



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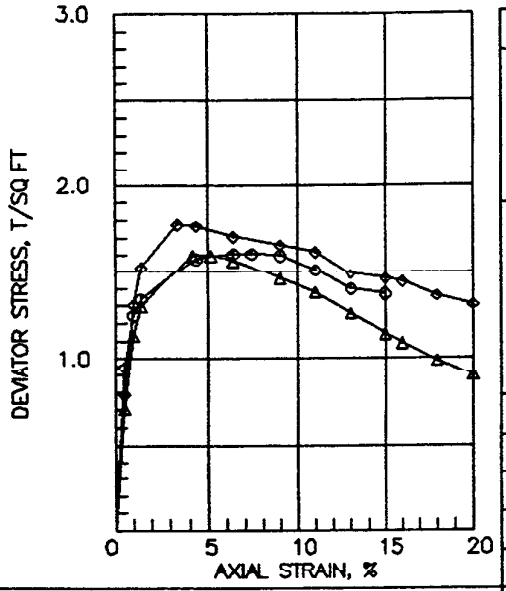


SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	35.5	39.0	37.7	
	DRY DENSITY, PCF	83.7	78.4	82.2	
	SATURATION, %	94.6	91.7	96.9	
	VOID RATIO	1.014	1.149	1.051	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		1.61	1.60	1.78	
TIME TO FAILURE, MIN.		13	14	16	
STRAIN RATE INCR., %					
INITIAL DIAMETER, IN.		1.37	1.38	1.37	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SLICKENSIDED; CRUMBLY

LL 70	PL 19	PI 51	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

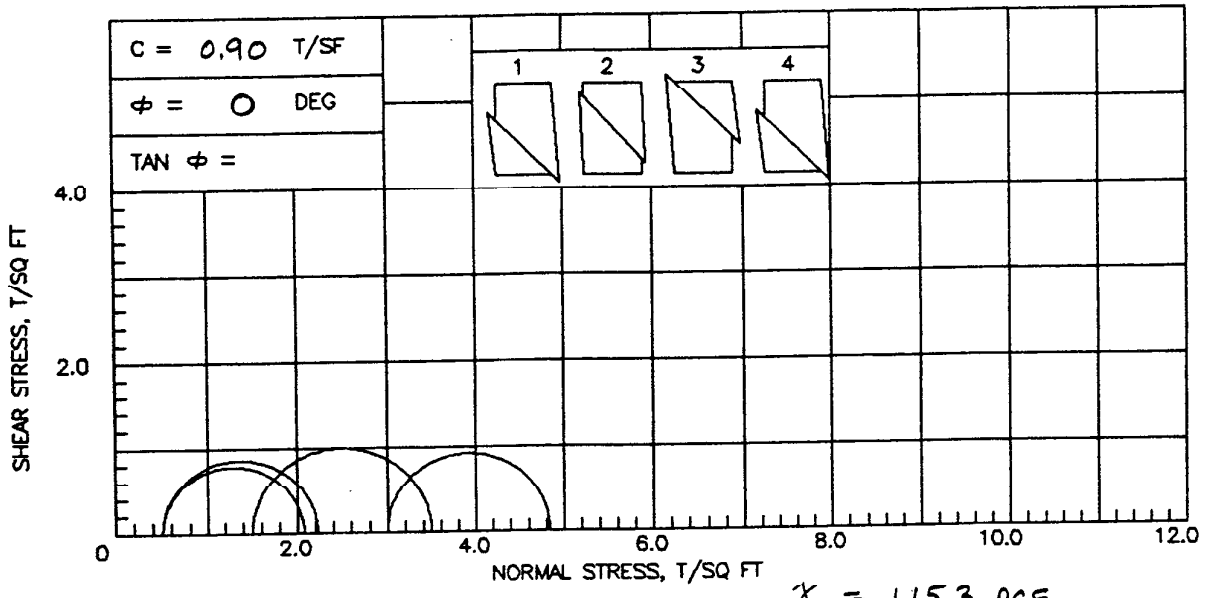
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-2U SAMPLE NO. 7C

DEPTH/ELEV 39.5/-72.0 TECH. JH

LABORATORY USAE WES - STF/GL DATE 21 JUL 92

TRIAXIAL COMPRESSION TEST REPORT



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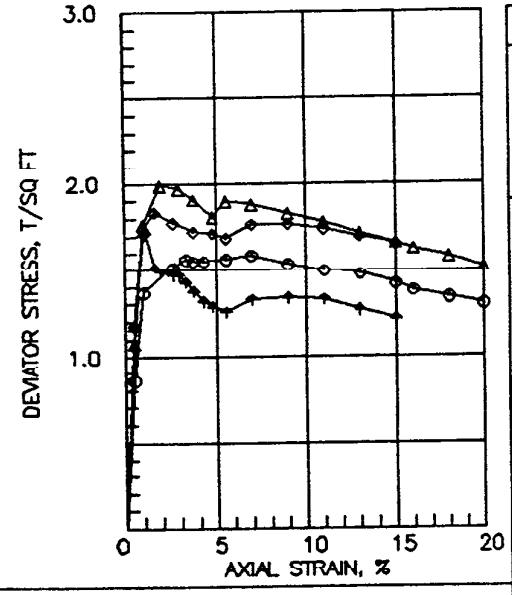


SPECIMEN NO.		○ 1	△ 2	◇ 3	+ 4
INITIAL	WATER CONTENT, %	33.8	35.7	35.5	34.6
	DRY DENSITY, PCF	86.3	85.0	84.9	86.0
	SATURATION, %	95.6	98.0	97.3	97.2
	VOID RATIO	.953	.983	.984	.961
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	.50
MAX. DEV. STRESS, TSF		1.57	1.99	1.84	1.72
TIME TO FAILURE, MIN.		7	28	24	7
STRAIN RATE INCR., %			4	5	6
INITIAL DIAMETER, IN.		1.37	1.33	1.33	1.37
INITIAL HEIGHT, IN.		3.00	3.00	3.00	3.00

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SLICKENSIDED

LL 60	PL 19	PI 41	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

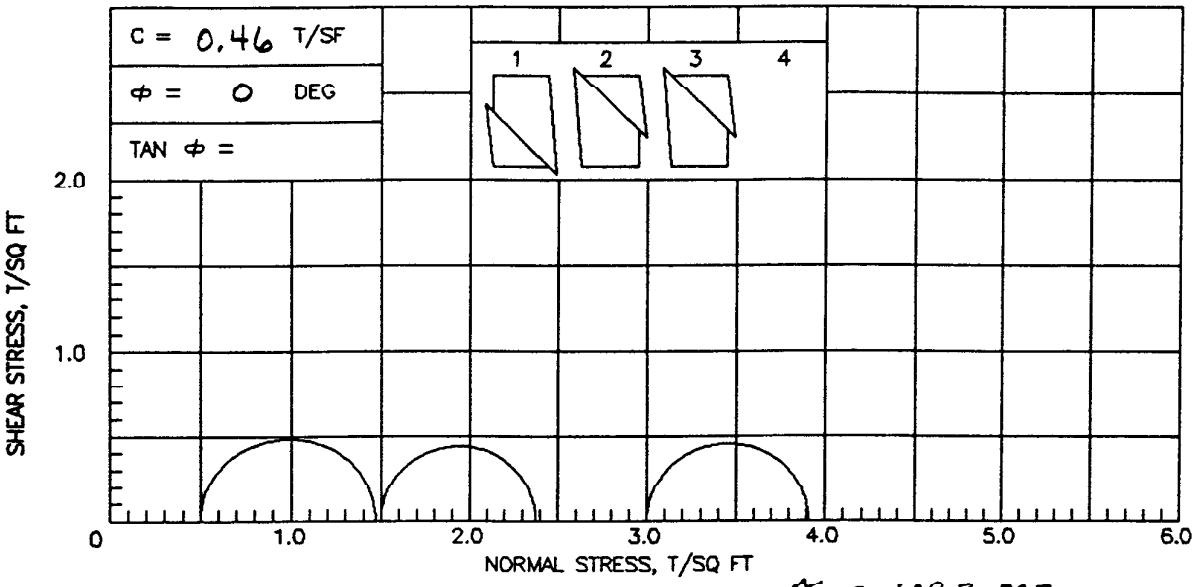
PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC-2U SAMPLE NO. 10C

DEPTH/ELEV 51.5/-84.0 TECH. JH

LABORATORY USAE WES - STF/GL DATE 07 JUL 92

TRIAXIAL COMPRESSION TEST REPORT



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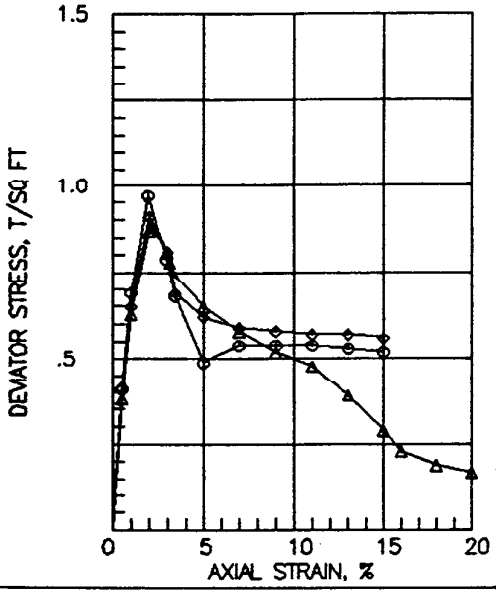

SPECIMEN NO.		○ 1	△ 2	◇ 3	4
INITIAL	WATER CONTENT, %	46.4	46.4	48.1	
	DRY DENSITY, PCF	74.5	75.0	73.6	
	SATURATION, %	99.3	100+	100+	
	VOID RATIO	1.263	1.248	1.291	
BEFORE SHEAR	WATER CONTENT, %				
	DRY DENSITY, PCF				
	SATURATION, %				
	VOID RATIO				
	BACK PRESSURE, TSF				
CHAMBER PRESSURE, TSF		.50	1.50	3.00	
MAX. DEV. STRESS, TSF		.97	.88	.91	
TIME TO FAILURE, MIN.		4	15	15	
STRAIN RATE INCR., %				3	
INITIAL DIAMETER, IN.		1.37	1.36	1.37	
INITIAL HEIGHT, IN.		3.00	3.00	3.00	

CONTROLLED–STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT SEAMS

LL 65	PL 19	PI 46	GS 2.70 (ESTIMATED)	UNDISTURBED SPECIMEN	Q TEST

REMARKS:

PROJECT I.H.N.C. NEW SHIPLOCK NORTH OF CLAIBORNE, NEW ORLEANS

BORING NO. NC–2U SAMPLE NO. 12B

DEPTH/ELEV 58.5/–91.0 TECH. JH

LABORATORY USAE WES – STF/GL DATE 09 JUL 92

TRIAXIAL COMPRESSION TEST REPORT