MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{10} *	ATTERBERG LIMITS: LL	PL *	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA: OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	SHEAR DATA: INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_F %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_{III} T/SQ FT	σ'_I T/SQ FT	C T/SQ FT	Ø DEGREES	PERMEABILITY: e	K FT/MIN	CONSOLIDATION DATA: P_o T/SQ FT	P_c T/SQ FT	C_c	t_{50} *	REMARKS
65T-66A	62	0.0												Water																			
		13.0																															
	3414		Same as 3419				0.0				141.2			Gray,	Clay (CH), v/soft																		
		15.5																															
	3415		Same as 3419				0.0				86.4	47.8		Gray,	Clay (CH), v/soft																		
		18.0																															
	3416		Same as 3419				0.0				98.5	47.7		Gray,	Clay (CH), v/soft, w/some shell																		
		20.0																															
	3417		Same as 3419				0.0				131.0	39.6		Gray	Clay (CH), v/soft																		
		22.0																															
	3418		Same as 3419				0.0				90.0			Gray,	Clay (CH), v/soft																		
		24.0																															
	3419		CH	0	5	95	0.0	60.0	22.0		87.8	49.8		Gray	Clay (CH), v/soft																		
		26.0																															
	3420		Same as 3423				0.0				104.8	47.8		Gray	Clay (CL), v/soft																		
		28.0																															
	3421		Same as 3423				0.0				84.3	52.0		Gray,	Clay (CL), v/soft																		
		30.0																															
	3422		Same as 3423				0.0				42.5	68.3		Gray,	Clay (CL), v/soft																		
		32.0																															
	3423		CL	0	12	88	0.0	39.1	12.0		45.9	75.2		Gray,	Clay (CL) v/soft, w/trace of shell																		
		34.0																															
	3424		Same as 3425				0.0				43.3	78.9		Gray	Sandy Clay (CL), v/soft, w/trace of shell fragments																		
		36.0																															
	3425		CL	0	22	78	0.0	43.2	15.0		46.9	74.0		Gray,	Sandy Clay (CL), v/soft, trace of organic material																		
		38.0																															
	3426		Same as 3425				0.0				49.8	72.0		Gray,	Sandy Clay (CL), v/soft, w/trace of shell fragments																		
		40.0																															
	3427		Same as 3425				0.0				54.3	67.9		Gray,	Sandy Clay (CL), v/soft																		
		42.0																															
	3428		Same as 3425				0.0				54.7	67.5		Gray	Sandy Clay (CL), v/soft																		
		44.0																															
	3429		Same as 3430				0.25				61.5	63.9		Gray	Clay (CH), soft, w/limey concretions																		
		46.0																															
	3430		CH	0	1	99	0.25	71.1	24.0		61.9	63.2		Gray,	Clay (CH), soft																		
		48.0																															
			Bottomed in Above								Tide @ 2.2' @ 11 AM																						
		50																															

NOTE - Standard splitspoons drive penetration test results are shown in REMARKS column thus: No. of blows/" depth. Spoon penetrated material under weight of drill stem where "0" is shown for number of blows.

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

☆ Pocket Penetrometer ☆☆ Bar 4.5

MATAGORDA SHIP CHANNEL

BEACON #19 TO MATAGORDA PENINSULA

TEST DATA SUMMARY

Sheet 1 of ____

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	%	ATTERBERG LIMITS: LL	PL	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA: OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	SHEAR DATA: INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_f %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_m T/SQ FT	σ_1 T/SQ FT	C T/SQ FT	Ø DEGREES	PERMEABILITY: e	K FT/MIN	CONSOLIDATION DATA: P_o T/SQ FT	P_c T/SQ FT	C_c	t_{50}*	REMARKS
35T-66	61-	0.0=	Water Surface (Elev. +2.3' MLT)																														
		Water											Water																				
		14.0																															
	4432		CH	0	6	94		55	17.0		76.1		Gray, CLAY (CH), (v/soft) w/trace of shell														Ignition Loss = 5.4%						
		18.0																															
	X		(CH)	Gray Clay (CH) 90% v/soft, w/trace of shell							(90)		No Drillers Classification; assumed to be same as above																				
		20.0																															
	4433		(CH)	Same as 61-4432							104.0		Gray, CLAY (CH), (v/soft), w/trace of shell																				
		22.0																															
	X		(CH)										No Drillers Classification; assumed to be same as above																				
		25.0																															
	4434		CL	0	23	77		48	16.0		61.8		Buff to Gray, Sandy CLAY (CL), v/soft, w/trace of shell																				
		27.0																															
	X		(CL)	Gray Clay (CL) 51% v/soft w/trace of shell							(51)		No Drillers Classification; assumed to be same as above																				
		30.0																															
	4435		(CL)	Same as 61-4436 0.0							41.8	87.6	Gray, CLAY (CL) v/soft, w/trace of shell																				
		32.0																															
	X		(CL)										No Drillers Classification; assumed to be same as above																				
		35.0																															
	4436		CL	0	10	90	0.20	45	3	15.0	49.4	75.0	Gray, CLAY (CL), v/soft, w/trace of shell																				
		37.0																															
	X		(CL)										No Drillers Classification; assumed to be same as above																				
		40.0																															
	4437		(CH)	Same as 61-4438 0.10							63.8	85.8	Gray, CLAY (CH), v/soft, w/trace of shell																				
		42.0																															
	X		(CH)	Gray Clay (CH) 62% v/soft to soft							(62)		No Drillers Classification; assumed to be same as above																				
		45.0																															
	4438	45.3	CH	0	2	98	0.25	64	2	22.0	60.2	72.9	Gray, CLAY (CH); v/soft, w/trace of shell																				
		47.5																															
			Bottomed @ a depth of 47.5' below water surface in Gray, CLAY (CH), v/soft, w/trace of shell																														
			Boring @ Sta 76+000, 100' SW ℄																														

NOTE: Standard "Split Spoon" Drive Penetration Test Results are shown in "Remarks" column thus: No. of Blows / Test Depth ; Tests performed with 1 3/8" OD split spoon sampler ; 140 lbs hammer dropped 30" equals 1 blow. Where 0 is shown for "No. of Blows", spoon penetrated material under weight of drill stem.

~~* Values at Pressure~~ ~~T/SQ FT~~

T - Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
C - Consolidated Drained
CU - Consolidated Undrained

* - Pocket Penetrometer Reading ** - Bar L.S. X - No Recovery

ENG FORM 1836 31 2086