MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

Sheet 33 of ____

FEATURE Log of Soil Boring

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D_{10} *	ATTERBERG LIMITS LL	PI *	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	62	0.0												Water																			
128-A	~																																
		12.0																															
	3917		SC	0	55	45	0.0		6.0		38.6	79.3		Brown	Clayey Sand (SC) v/Soft																		
		14.0																															
	3918		SP	0	96	4	0.0		0.0		23.3	99.3		Gray	Sand (SP)																		
		16.0																															
	3919		Same	as #3921							25.9			Gray	Silty Sand (SM)																		
		18.0																															
	3920		Same	as #3921							23.2			Driller's classification: Same as Above.																			
		20.0																															
	3921		SM	0	82	18			0.0					Gray	Silty Sand (SM) Medium																		13/20.5-21.5
		22.0																															
	~													D.C.	Same as Above - Clay @ 25.0'																		
		25.0																															
	3922		SC	0	64	36	1.0		8.0					Gray	Clayey Sand (SC) Medium																		
		27.0																															
	3923		Same	as #3922			1.75				26.8	104.4		Gray	Clayey Sand (SC) Stiff																		
		29.0																															
	~													Driller's classification: Same as Above.																			
		30.0																															
	3924		SM	0	71	28			0.0					Gray	Silty Sand (SM)																		
		32.0																															
	3925		SM	0	96	4	0.75		0.0		22.6	103.9		Gray	Sand (SP)																		
		34.0																															
	~													Driller's classification: Same as Above																			
		36.0																															
	3926		Same	as #3925							21.1			Gray	Sand (SP)																		
		38.0																															
	~													No Sample																			
		40.0																															
	~													Red. Red Clay w/r/Much Sand & w/Shell Fragments - Pushed v/easy																			
		42.0																															
	3927		Same	as #3925							29.7			Red	Sand (SP) Medium																		12/42.5-43.5
		44.0																															
	~													Driller's classification: Same as Above																			
		46.0																															
	3928		CH	0	1	99	0.50	51.7	19.0		42.5	81.6		Red	Clay (CH) Soft																		
		48.0																															

Bottomed in above. Tide @ 1.8 @ 12:45 P.M.

Location of Boring: Sta. 13+500

* 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 L.S.

ENG FORM 1 DEC 71 2088

MATAGORDA SHIP CHANNEL
BEACON #19 TO MATAGORDA
PENINSULA

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	PI	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
3ST 128	61	0.0	Water Surface (Elev +2.0 MLT)																														
		12.0																															
	5252	14.0	ML	0	44	56	0.0	33.7	7.0		46.7	76.3				Gray, sandy silt (ML), v/soft																	
	5252A	16.0	ML				0.0				48.6 (48)	72.8				Gray, sandy silt (ML), v/soft																	
	5253	18.0	Sm-SP	0	94	6	0.75		0.0		22.0	104.1				Gray, silty sand (Sm-SP), medium dense																	
	X	20.0	Sm-SP		1-1-88						(23)					No Drillers Classification, Assumed same as above																	
	5254	21.5	Sm-SP	3	90	7			0.0		24.9					Gray, silty sand (Sm-SP), v/dense Dense to V/Dense																	37/20.5-21.5
	X	25.0	Sm-SP													No Drillers Classification, Assumed same as above																	
	5255	26.5	Sm	Same as 61-5256							22.6					Gray to yellow, silty sand (Sm), Dense																	11/25.5-26.5
	X	28.0	Sm		3-2-72						(20)					No Drillers Classification, assumed same as above																	
	5256	30.0	SM	0	77	23	2.75		4.5		17.5	112.9				Light Gray, silty sand (SM)																	
	5257	31.5	Sm-SP	0	93	7			0.0		22.8					Light Gray, ~~clay~~ silty sand (Sm-SP), v/Dense																	40/30.5-31.5
	X	35.0	Sm-SP		2-1-88											No Drillers Classification, Assumed same as above																	
	5258	36.5	Sm-SP	4	91	5			0.0		23.4					Gray, silty sand (Sm-SP), v/Dense																	200/35.5-36.5
	X	40.0	Sm-SP		16-12-43											No Drillers classification, Assumed same as above																	
	5259	41.5	Sm-SP	25	71	4					12.0					Gray, shelly silty sand (Sm-SP), Dense to V/Dense																	15/40.5-41.5
	X	45.0									(18)					No Drillers classification, Assumed same as above																	
	5260	47.0	Sm-SP	Same as 61-5255							12.9					Gray, shelly silty sand (Sm-SP)																	

Bottomed at 47.0' Below water surface in Gray, shelly silty sand (Sm-SP)

Boring Location Sta 14+00

* Values at Pressure T/SQ FT

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

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