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 %	D50	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
35-61-102		0.0	Water Surface (Elev +29' MLT)																														
		13.5	Water																														
	4792		SM								38.7																						
		15.0			1-1-76																												
	4793		SM	0	78	22				0.0	27.7																						
		17.0																															
	—		SM								(32)																						
		20.0			1-0-75																												
	4794		SM	0	76	24				0.0	28.8																						
		22.0																															
	—		SM																														
		25.0																															
	4795		CL	0	16	84		45.9	18.0		35.1																						
		27.0																															
	—		CL								(35)																						
		30.0																															
	4796		SM	0	33	67				0.0	33.6																						
		32.0																															
	—		SM								(34)																						
		35.0																															
	4797		CL	0	1	99	1.75	42.0	15.0		29.3	93.1																					
		37.0																															
	—		CL								(29)																						
		40.0																															
	4798		ML	0	18	82				0.5	24.8	102.8																					
		42.0																															
	—		ML								(25)																						
		45.0																															
	4799		CL	5	28	67		34.3	12.5		(30)																						
		47.0			0-2-84																												
	4800		SM	1	83	16				0.0	21.9																						72/47.5-48.0
		48.5									(22)																						

Bottomed @ a depth of 48.5' below water surface in Gray, silty sand (SM) v/dense
Boring @ Sta. 40+000, 100' SW ℄

NO DRILLERS CLASSIFICATION, ASSUMED SAME AS ABOVE

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	REMARKS
	4792	15.0	SM	Gray, silty sand (SM), soft to medium
	4793	17.0	SM	Gray, silty sand (SM), medium
	—	20.0	SM	NO Drillers classification, Assumed same as above
	4794	22.0	SM	Gray, silty sand (SM), medium
	—	25.0	SM	NO Drillers classification, Assumed same as above
	4795	27.0	CL	Tan, sandy clay (CL)
	—	30.0	CL	NO Drillers classification
	4796	32.0	SM	Tan, sandy silt (SM)
	—	35.0	SM	NO Drillers classification, Assumed same as above
	4797	37.0	CL	Tan, clay (CL), stiff
	—	40.0	CL	NO Drillers classification, Assumed same as above
	4798	42.0	ML	Brown, sandy silt (ML), stiff
	—	45.0	ML	NO Drillers classification, Assumed same as above
	4799	47.0	CL	Tan, sandy clay (CL), stiff, w/some shell fragments
	4800	48.5	SM	Gray, silty sand (SM) v/dense

* Values at Pressure T/SQ FT

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

ENG FORM 2086