

12 July 1971

GDLR NO 1595

PROJECT: SABINE NECHES WATERWAY

BORING NO. 77-221

LOCATION: Lat. 29° 27' 52" Long. 93° 37' 35"

TEST DATA SUMMARY

DATE COMPLETED

FIELD NO.	Sample Depth, Feet		CLASSIFICATION ELEVATION TOP BORING _____	Length of sample recv'd	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY	P. c. f.	L.L.	P.L.	Lab Sample No.	BAR L.S.	SIEVE ANALYSIS								
	From	To														PERCENT			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)				
																GRVL	SAND	FINES		NO. 4	NO. 10	NO. 40	NO. 200	
	0.035	25	# water	0.0-35.25																				
1C	35.25	36.0	Gray silty sand with shell fragments	35.25-36.5	0.75	SM	M	0.50	26					5485	1.5	2	60	40	50	1	3	4	31	
2C	36.0	38.0	Gray sandy clay with shell fragments	36.5-44.0	2.0	CL	M	0.50	28					5486										
3C	38.0	40.0	Gray sandy clay with random sand seams and shell fragments		2.0		VS	0.0	30					5487										
4C	40.0	42.0	Gray sandy clay with random sand seams and shell fragments		2.0		VS	0.0	39		34	19	5488		0	30	70	50	0	0	0	15		
5C	42.0	44.0	Gray sandy clay with random sand seams and shell fragments		2.0		VS	0.0	29				5489											
6C	44.0	46.0	Gray clay with random sand seams and shell fragments	44.0-52.0	2.0	CH	VS	0.0	60				5490											
7C	46.0	48.0	Gray clay with random sand seams and shell fragments		2.0		S	0.25	67				5491											
8C	48.0	50.0	Gray clay with random sand seams and shell fragments		2.0		S	0.25	62		81	25	5492		0	8	92	50	0	0	0	4		
9C	50.0	52.0	Gray clay with random sand seams and shell fragments		2.0		S	0.25	66				5493											
			#information obtained from driller's log																					

KEY: CONSISTENCY - COHESIVE SOILS

CONSISTENCY - COHESIONLESS SOILS

(1) Tons/Sq. Ft. Unconfined Compressive Strength

(2) Split Barrel Sampler

(3) Acc. Wt. Rnd. Init. Wt. x 100 = % Rnd.

Very Soft Soft Medium Stiff Very Stiff Hard Very Loose Loose Medium Dense Very Dense

Bottomed at Water at Tide Reading 41.7

BORING NO.

Sheet of sheets

DRILLING LOG		DIVISION South west		INSTALLATION CONV DIST		Hole No. 77-221 SHEET 1 OF 1 SHEETS	
1. PROJECT Sahara weather water way				10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station) Lat 29° 27' 52" Lon 93° 37' 35"				11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			
3. DRILLING AGENCY U.S. CEC				12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE			
4. HOLE NO. (As shown on drawing title and file number) 77-221				13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED UNDISTURBED 1 Tube	
5. NAME OF DRILLER L. A. D. R.				14. TOTAL NUMBER CORE BOXES			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE STARTED 7 JUL 77 COMPLETED 7 JUL 77			
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE 52.0				18. TOTAL CORE RECOVERY FOR BORING 17.0 %			
				19. SIGNATURE OF INSPECTOR Bert P. Smith			

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
		0.0 to 35.0	water depth			
	35.0	35.0 to 52.0	GR. CL.			
	52.0		Bottom 52.0			