

TABLE 6

SUMMARY OF LABORATORY TEST RESULTS

PROJECT: Port Arthur Waterway
AEC 270-94
Contract No. DACW-64-94-M-0608

BORING NO. 94-32

S #	Depth (Feet)	PP (tsf)	SPT Blows per Foot	Visual Classification	MC (%)	UDW (pcf)	LL (%)	PL (%)	Mechanical Analysis % Passing					Torvane (tsf)	QU (tsf)
									#4	#10	#40	#100	#200		
1	0 - 2	0		Gray organic clay (OH)	171										
2	2 - 4	0		Gray organic clay (OH)	105									0.08	
3	4 - 6	0		Gray organic clay (OH) w/shell	42	60	135	46	75.9	64.8	56.5	55.2	50.9	0.12	
4	6 - 8	0		Gray organic clay (OH) w/decomposed plant	96										
5	8 - 10	0		Gray organic clay (OH) w/decomposed plant	195									0.14	
6	10 - 12	0		Gray organic clay (OH) w/shell	93									0.10	
7	12 - 14	0		Gray organic clay (OH)	86										
8	14 - 16	0		Gray organic clay (OH)	97									0.09	
9	16 - 18	0		Gray organic clay (OH)	76										
10	18 - 20	0		Gray organic clay (OH)	92									0.06	
11	20 - 22	0		Gray organic clay (OH)	77	55	78	28	100	99.9	99.8	99.7	99.3		0.19
12	22 - 24	0		Gray organic clay (OH)	74										
13	24 - 26	0		Gray organic clay (OH)	73										
14	26 - 28	0		Gray organic clay (OH)	85										
15	28 - 30	0		Gray organic clay (OH) w/sand seams	84										
16	30 - 32	0		Gray organic clay (OH) w/sand seams	85										
17	32 - 34	0		Gray organic clay (OH)	82										

S#: Sample Number; PP: Pocket Penetrometer Reading; MC: Moisture Content; QU: Unconfined Compressive Strength

TABLE 6 (continued)

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									#4	#10	#40	#100	#200		
18	34 - 36	0		Gray organic clay (OH) w/silt seam & decomposed plant	87										
19	36 - 38	0		Gray organic clay (OH) w/decomposed plant	266										
20	38 - 40	0		Gray organic clay (OH) w/decomposed plant	187										
21	40 - 42	0		Gray organic clay (OH) w/decomposed plant	134										
22	42 - 44	0.5	50 ft	Gray organic clay (OH) w/decomposed plant	250	21	188	67							0.09
23	44 - 46	0.5	50 ft	Gray clay (CH)	32										
24	46 - 48	0.1	Ver 50 ft	Gray clay (CH) w/decomposed plant	31										
25	48 - 50	0		Gray clay (CH)	30										

S#: Sample Number; PP: Pocket Penetrometer Reading; MC: Moisture Content; QU: Unconfined Compressive Strength

REVIEWED BY: _____ DATE _____
DATE _____

SUMMARY OF QUESTIONABLE
ERRONEOUS OR MISSING DATA
FOR

PROJECT: LABORATORY TESTING OF SOILS SAMPLES, CONTRACT NO. DACW64-93-M-0299 (GIWW - PT. ATRHUR)

BORING NO. SAMPLE NO. COMMENTS ON TEST RESULTS

Only one test was not performed - Borings No., 94-32, sample 3, Unconfined Compression Test was not performed because the contractor stated the sample was too short.

Boring 94-27	1	Description on Plate 2 indicates shell from samples 1 - 12, but it is only listed on sample 1,5,7,8,& 12 on Table 1.
	14-16	Plate 2 and Table 1 do not agree on description, should be either Sandy Silt or Silt w/sand Moisture contents are given but not ordered.
94-28	1	Table 2 states w/shell from 0-2 feet, Plate 3 does not.
	15	Table 2 states w/ferrous nodules from 28-30 feet, Plate 3 does not.
	20-23	Plate 3 states w/calcareous nodules, ferrous nodules & sand seams Table 2 does not show the sand seams for sample 20 or the calcareous and ferrous nodules for sample 23
	22	Plate 3 states slickensided below 50 feet. Table 2 shows slickensided from 48-50 and 50-52 feet.
94-30	9	Table 4 states w/shell from 16-22 feet, Plate 5 states shell from 18-22 feet.
94-31	1	Plate 6, beginning description should state w/shell 0-6 feet to agree with Table 5.
	3	Plastic limit performed not ordered,
	18	Table 5 states w/silt seams & decomposed plants, (Plate 7) states silt seams but not decomposed plants Plate 6 is for boring 94-31
94-32	22	Table 6 states LL 188, Plate 7 shows no LL value

ENGINEERING CORP.
GEOTECHNICAL ENGINEERS

PROJECT: Port Author Waterway

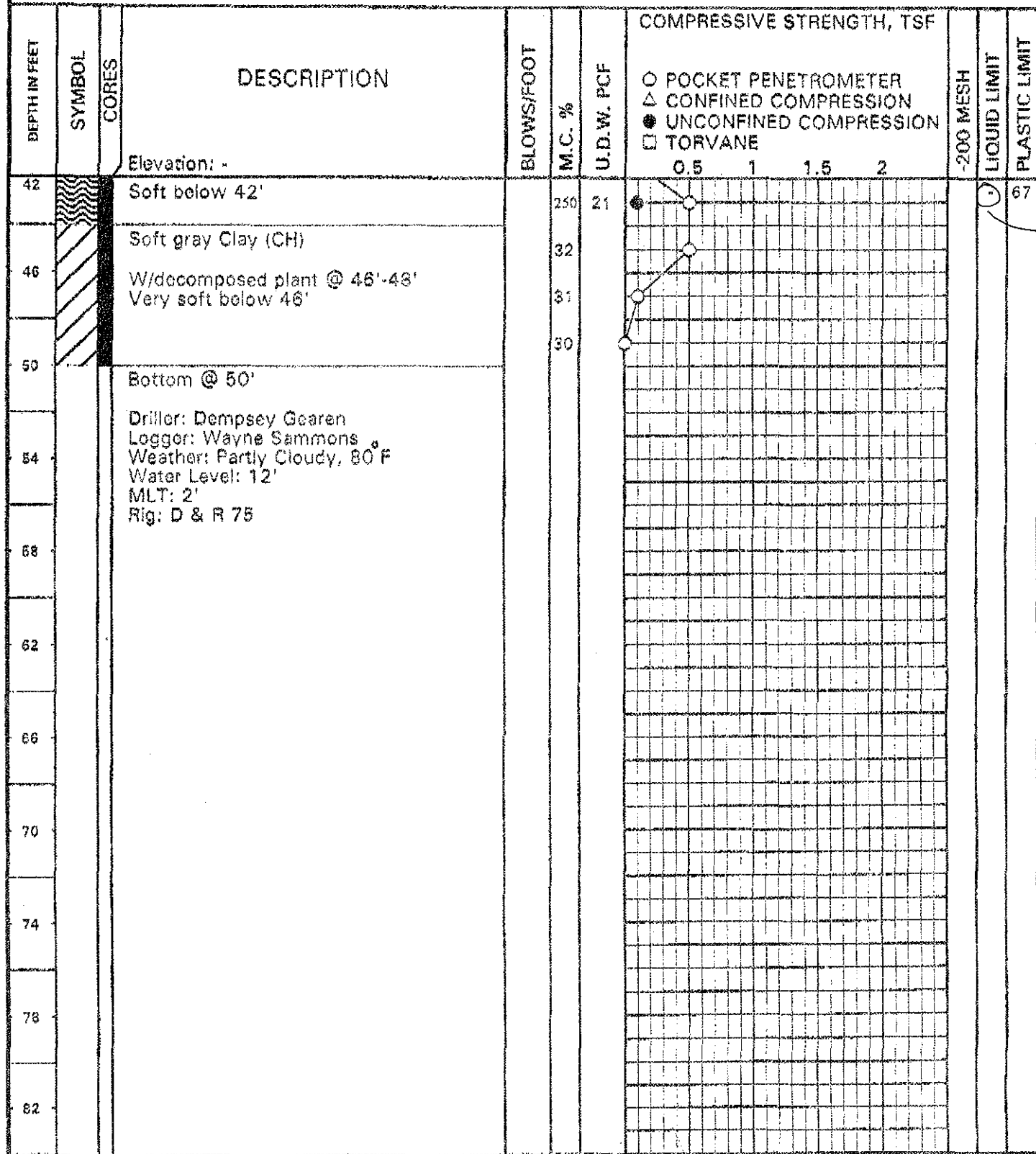
BORING 94-32

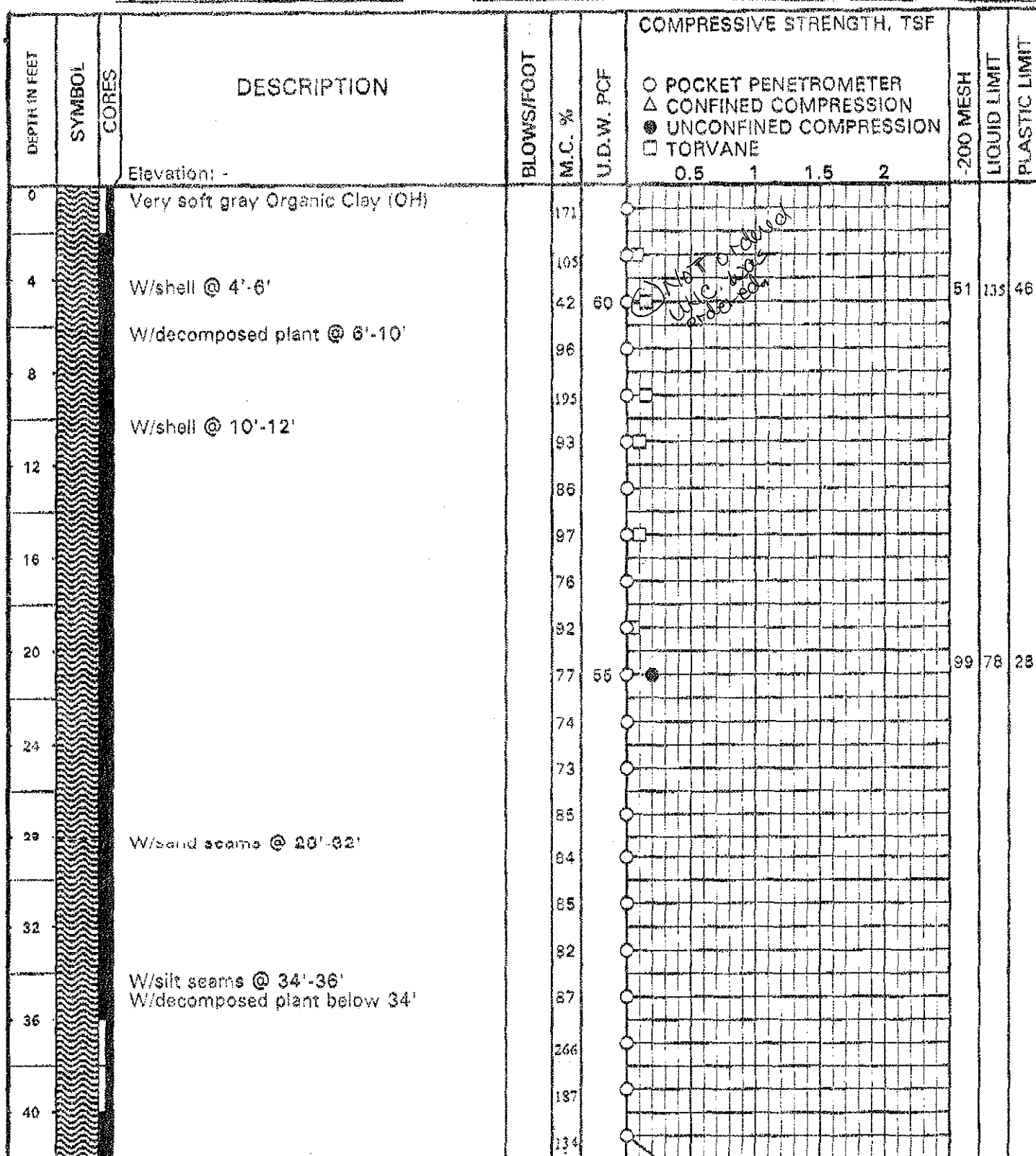
DATE MAY 24, 1994

TYPE 3" CORE

LOCATION SEE PLAN

PROJECT NO. 270-94

ORDERED
NOT
DONE



BORING DRILLED TO _____ FEET WITHOUT DRILLING FLUID

WATER ENCOUNTERED AT _____ FEET WHILE DRILLING

WATER LEVEL AT _____ FEET AFTER _____ HOURS

DRILLED BY _____ DG CHECKED BY _____ CL LOGGED BY _____ SW

LOG OF BORING

PROJECT: Port Author
FOR:

BORING NO: 94-32
LOCATION:

DATE: 5-24-94
DRILLER:

JOB NO:

BORING TYPE 3" Core

REPORT NO.

GROUND ELEV.:

in Depth Feet	Sample Type & No.	Symbol	Elevation in Feet	Blows / Foot	LEGEND			
					S-Shelby Tube	D-Denison Barrel	P-Penetration Test	J-Jar
					Core	Penetration Sample	No Recovery	
					Static Water Table	Hydrostatic Water Table		
					PEN	DESCRIPTION OF STRATUM		
	S-1			0		Very soft D. G. SiCL Jar Sample		
	S-2			0		Very soft D. G. SiCL		
- 5	S-3			0		Very soft D. G. SiCL		
	S-4			0		Very soft D. & Li. G. SiCL w/wood		
	S-5			0		Very soft D. & Li. G. SiCL w/wood		
- 10	S-6			0		Very soft Li. G. SiCL w/shell		
	S-7			0		Very soft Li. G. SiCL		
- 15	S-8			0		Very soft Li. G. SiCL		
	S-9			0		Very soft Li. G. SiCL		
	S-10			0		Very soft Li. G. SiCL		
- 20	S-11			0		Very soft Li. G. SiCL		
	S-12			0		Very soft Li. G. SiCL		
- 25	S-13			0		Very soft Li. G. SiCL		
	S-14			0		Very soft Li. G. SiCL		
	S-15			0		Very soft Li. G. SiCL		
- 30	S-16			0		Very soft Li. G. SiCL		
	S-17			0		Very soft Li. G. SiCL		
- 35	S-18			0		Very soft Li. & D. G. SiCL w/wood		
	S-19			0		Very soft Li. & D. G. SiCL w/wood, Jar Sample		
	S-20			0		Very soft Li. & D. G. SiCL w/wood, Jar Sample		
- 40	S-21			0		Very soft Li. & D. G. SiCL w/wood		
	S-22			.5		Soft Li. & D. G. SiCL w/wood		
- 45	S-23			.5		Soft Li. G. SiCL w/wood		

LOG OF BORING

PROJECT:
FOR:

Port Arthur

BORING NO:
LOCATION:

94-32

DATE: 5-24-94

JOB NO:

BORING TYPE 3" Core

3rd Core

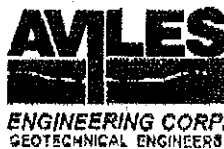
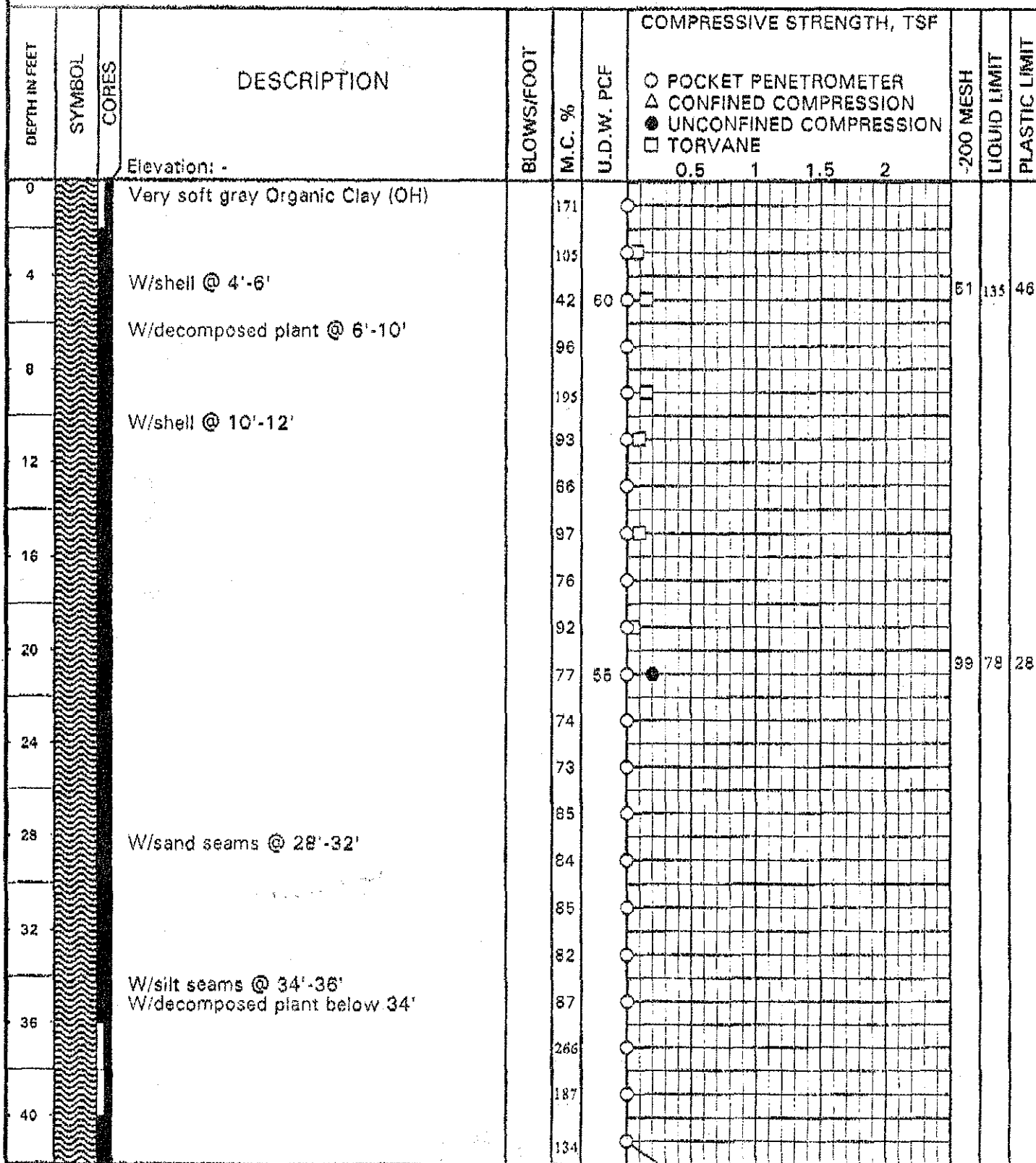
DRILLER:

REPORT NO.

GROUND ELEV.: 100

LEGEND					
S-Shelby Tube		D-Danison Barrel		P-Penetration Test	
J-Jor		-Core		-Penetration Sample	
-No Recovery		-Static Water Table		-Hydrostatic Water Table	
Depth in Feet	Sample Type & No.	Symbol	Elevation in Feet	Blows / Foot	DESCRIPTION OF STRATUM
50				0	Very soft Li. G. sil CL w/wood
				.1	Very soft Li. G. sil CL w/wood
					Rig: D & R 75
					Driller: Dempsey Gearen
					Logger: Wayne Sammons
					Weather: Partly Cloudy, 80° F
					Water Level: 12'
					MLT: 2'

PROJECT NO. 270-94

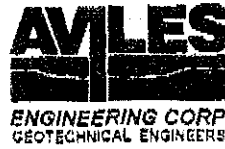
PROJECT: Port Authur WaterwayBORING 94-32DATE MAY 24, 1994TYPE 3" CORELOCATION SEE PLAN

BORING DRILLED TO _____ FEET WITHOUT DRILLING FLUID

WATER ENCOUNTERED AT _____ FEET WHILE DRILLING

WATER LEVEL AT _____ FEET AFTER _____ HOURS

DRILLED BY DG CHECKED BY QL LOGGED BY WS



PROJECT: Port Authur Waterway

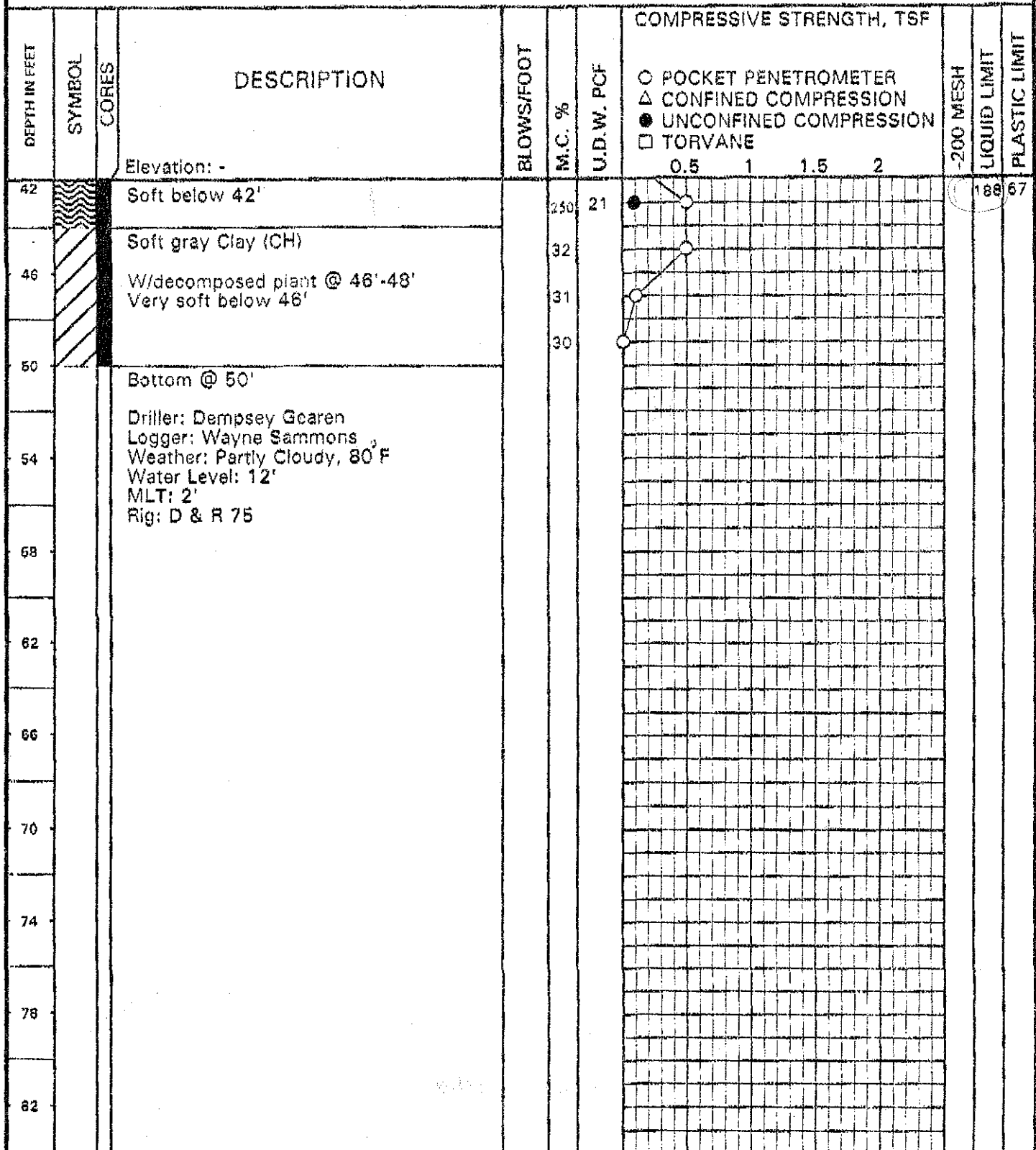
BORING 94-32

DATE MAY 24, 1994

TYPE 3" CORE

LOCATION SEE PLAN

PROJECT NO. 270-94



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WATER ENCOUNTERED AT _____ FEET WHILE DRILLING

WATER LEVEL AT _____ FEET AFTER _____ HOURS

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STRESS vs STRAIN
AEC 270-94

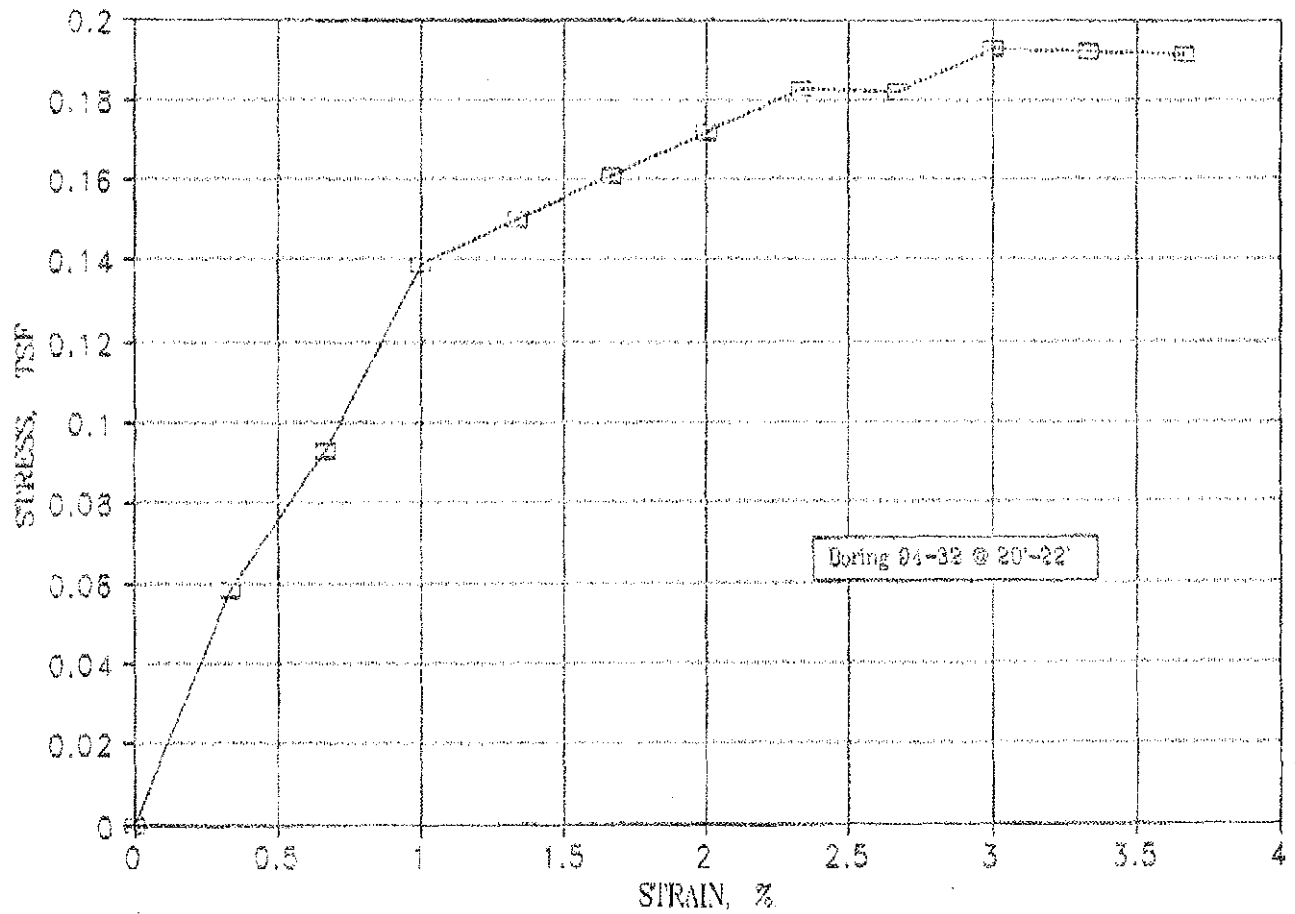


FIGURE 13

STRESS vs STRAIN
AEC 270-94

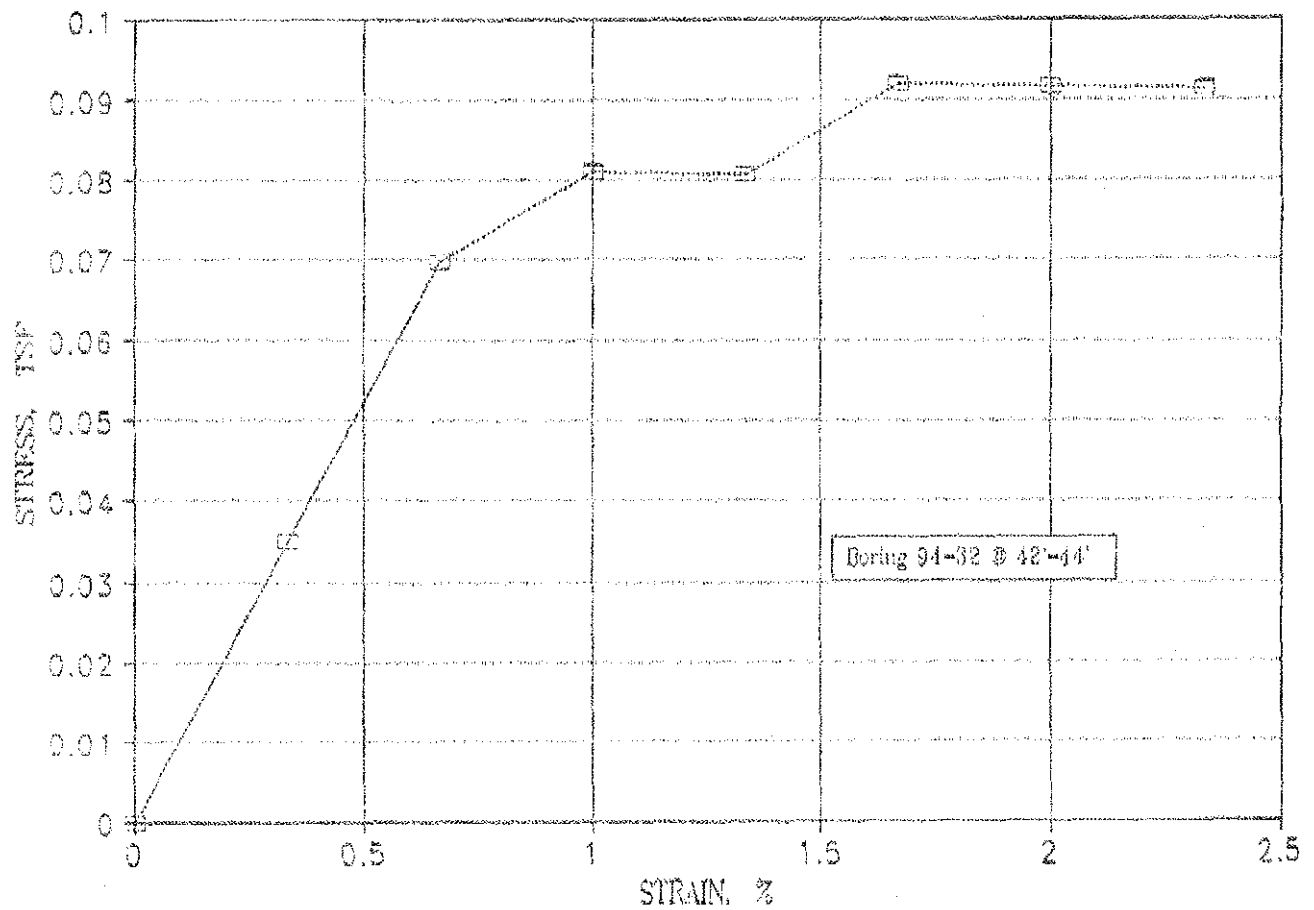


FIGURE 14