

TABLE 4

SUMMARY OF LABORATORY TEST RESULTS

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

BORING NO. 94-30

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)	110										
2	2 - 4	0		Gray organic clay (OH)	63	57	67	27							
3	4 - 6	0		Gray organic clay (OH)	104									0.09	
4	6 - 8	0		Gray organic clay (OH) w/sand seams	88									0.13	
5	8 - 10	0		Gray organic clay (OH)	81										
6	10 - 12	0		Gray organic clay (OH) w/decomposed plants	93										
7	12 - 14	0		Gray organic clay (OH) w/decomposed plant	148	58	184	91	100	100	99.7	99.0	98.6	0.13	
8	14 - 16	0		Gray organic clay (OH) w/decomposed plant	103										
9	16 - 18	0		Gray organic clay (OH) w/ferrous nodules & shell	65										
10	18 - 20	0		Gray organic clay (OH) w/shell	75										
11	20 - 22	0		Gray organic clay (OH) w/shell	79									0.13	
12	22 - 24	0		Gray organic clay (OH)	74										
13	24 - 26	0		Gray organic clay (OH)	90										
14	26 - 28	0		Gray organic clay (OH)	79	53	88	26	100	100	99.7	99.5	99.3	0.04	0.28
15	28 - 30	0		Gray organic clay (OH) w/silt seams	77										
16	30 - 32	0		Gray organic clay (OH) w/silt seams & decomposed plant	81										
17	32 - 34	0		Peat: dark gray decomposed plants	138										

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

TABLE 4 (continued)

SUMMARY OF LABORATORY TEST RESULTS

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

BORING NO. 94-30

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		
18	34 - 36	0		Peat: dark gray decomposed plant											
19	36 - 38	0		Peat: dark gray decomposed plant											
20	38 - 40	0		Peat: dark gray decomposed plant											
21	40 - 42	0		Peat: dark gray decomposed plant											
22	42 - 44	0		Light gray sandy clay (CL)	26										
23	44 - 46	1.75		Light gray sandy clay (CL)	18	109	38	17	100	100	100	99.4	85.6		1.14
24	46 - 48	4.25		Tan & light gray sandy clay (CL)	17										
25	48 - 50	2.25		Tan & light gray sandy clay (CL)	20	106	30	15	100	100	100	96.3	77.9		0.66
26	50 - 52	1.25		Tan & light gray sandy clay (CL)	20										
27	52 - 53	3.0		Tan & light gray sandy clay (CL)	20										

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



PROJECT: Port Authur Waterway

BORING 94-30

DATE MAY 26, 1994

TYPE 3" CORE

LOCATION SEE PLAN

PROJECT NO. 270-94

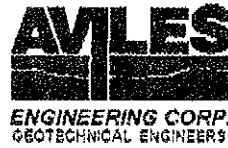
DEPTH IN FEET	SYMBOL	CORES	DESCRIPTION	BLOWS/FOOT	M.C. %	U.D.W. PCF	COMPRESSION STRENGTH, TSF				200 MESH	LIQUID LIMIT	PLASTIC LIMIT
							0.5	1	1.5	2			
0			Elevation: -										
0			Very soft gray Organic Clay (OH)	116									
4				63	57							67	27
			W/sand seams @ 6'-8'	104									
8				88									
			W/decomposed plant @ 10'-16'	81									
12				93									
				148	58						99	184	91
16			W/ferrous nodules @ 16'-18'	103									
			W/shell @ 18'-22'	86									
20			<i>10'</i>	75									
				79									
24				74									
				90									
28			W/silt seams below 28'	79	53						99	88	26
			W/decomposed plant below 30'	77									
32				81									
			Very soft dark Peat: Decomposed plants	138									
36													
40													

BORING DRILLED TO _____ FEET WITHOUT DRILLING FLUID

WATER ENCOUNTERED AT _____ FEET WHILE DRILLING

WATER LEVEL AT _____ FEET AFTER _____ HOURS

DRILLED BY _____ DG CHECKED BY _____ OL LOGGED BY _____ WS



PROJECT: Port Authur Waterway

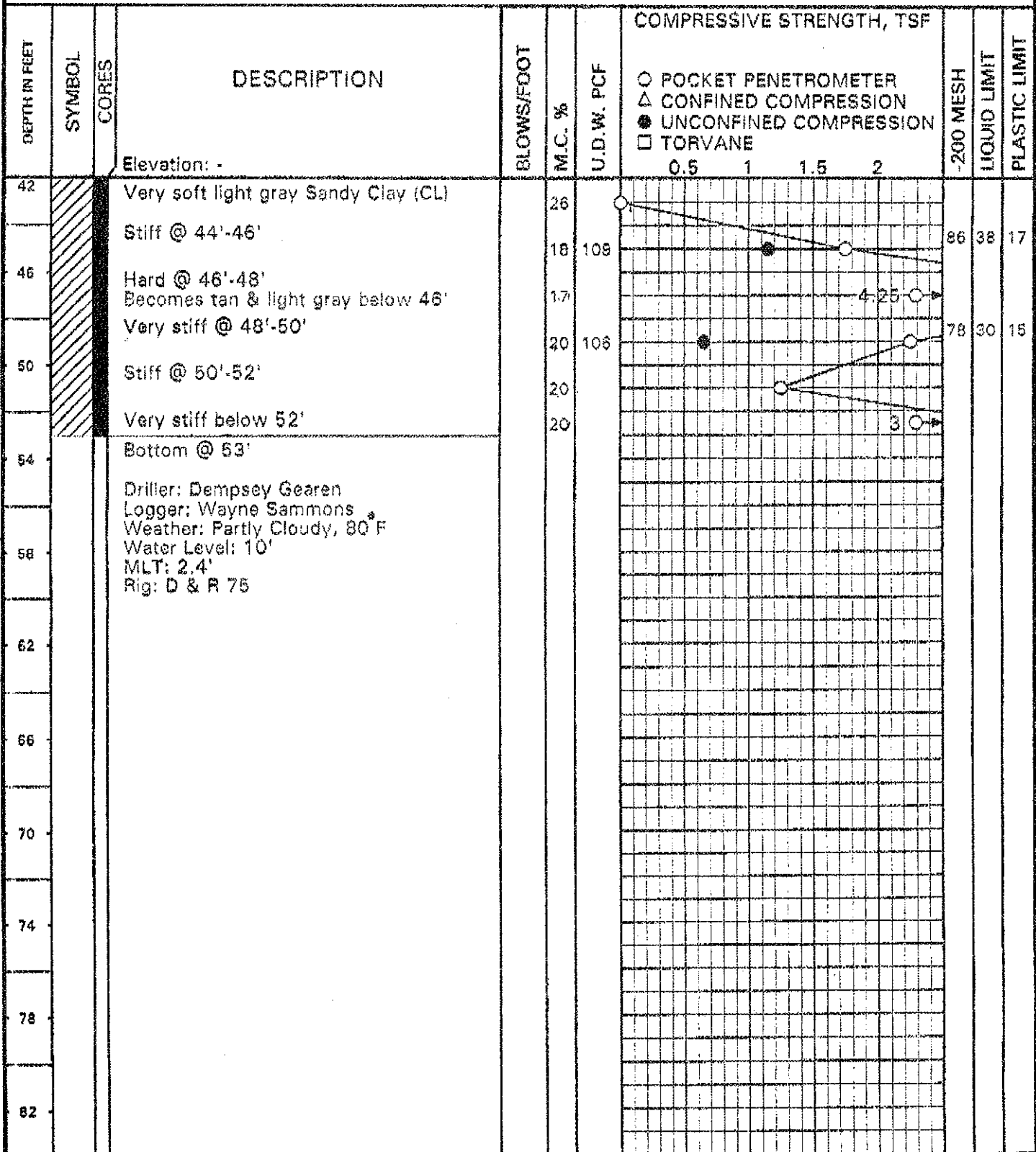
BORING 94-30

DATE MAY 26, 1994

TYPE 3" CORE

LOCATION SEE PLAN

PROJECT NO. 270-94



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

LOG OF BORING

PROJECT: Port Arthur
FOR:

BORING NO: 94-30
LOCATION:

DATE: 5-26-94

JOB NO:

BORING TYPE 3" Core

DRILLER: Deepsey

Gearen

REPORT NO.

GROUND ELEV.:

LEGEND					
S-Shelby Tube		D-Denison Barrel		P-Penetration Test	
J-Jar					
■-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
				PEN.	
	S-1			0	Very soft G. silt Jar Sample
	S-2			0	Very soft G. silt
- 5 -	S-3			0	Very soft G. silt
	S-4			0	Very soft G. silt
	S-5			0	Very soft G. silt Jar Sample
- 10 -	S-6			0	Very soft D. G. silt w/wood
	S-7			0	Very soft D. G. silt w/wood
- 15 -	S-8			0	Very soft D. G. silt w/wood
	S-9			0	Very soft G. silt
	S-10			0	Very soft G. silt
- 20 -	S-11			0	Very soft G. silt
	S-12			0	Very soft G. silt
- 25 -	S-13			0	Very soft G. silt Jar Sample
	S-14			0	Very soft G. silt
	S-15			0	Very soft G. silt
- 30 -	S-16			0	Very soft G. silt w/wood
	S-17			0	Very soft G. silt w/wood
- 35 -	S-18			0	Wood
	S-19			0	Wood Jar Sample
	S-20			0	Wood Jar Sample
- 40 -	S-21			0	Wood Jar Sample
	S-22			0	Very soft Li. G. silt
- 45 -	S-23			1.75	Stiff Li. G. silt

LOG OF BORING

PROJECT: Port Arthur
FOR:

BORING NO: 94-20
LOCATION:

DATE: 5-26-94
DRILLER:

JOB NO:

REPORT NO.

BORING TYPE 3" Core

GROUND ELEV.:

LEGEND

S-Shelby Tube D-Denison Barrel P-Penetration Test J-Jar
■-Core □-Penetration Sample □-No Recovery
▽-Static Water Table ▼-Hydrostatic Water Table

DESCRIPTION OF STRATUM

Depth in Feet	Sample Type & No.	Symbol	Elevation in Feet	Blows / Foot	
					PEN
	S-24			4.25	Hard Li. G. Si Cl
	S-25			2.25	Very stiff Li. G. CL Si
50	S-26			1.25	Stiff Li. G. CL Si
	S-27			3.0	Very stiff Li. G. CL Si
55					Rig - D & R 75
					Driller - Dempsey Gearen
					Logger - Wayne Sammons
					Weather - Partly Cloudy, 80°F
					Water Level - 10'
					MLT - +2.4'

PROJECT NO. 270-94

PROJECT: Port Authur Waterway

ENGINEERING CORP.
GEOTECHNICAL ENGINEERS

BORING 94-30

DATE MAY 26, 1994

TYPE 3" CORE

LOCATION SEE PLAN

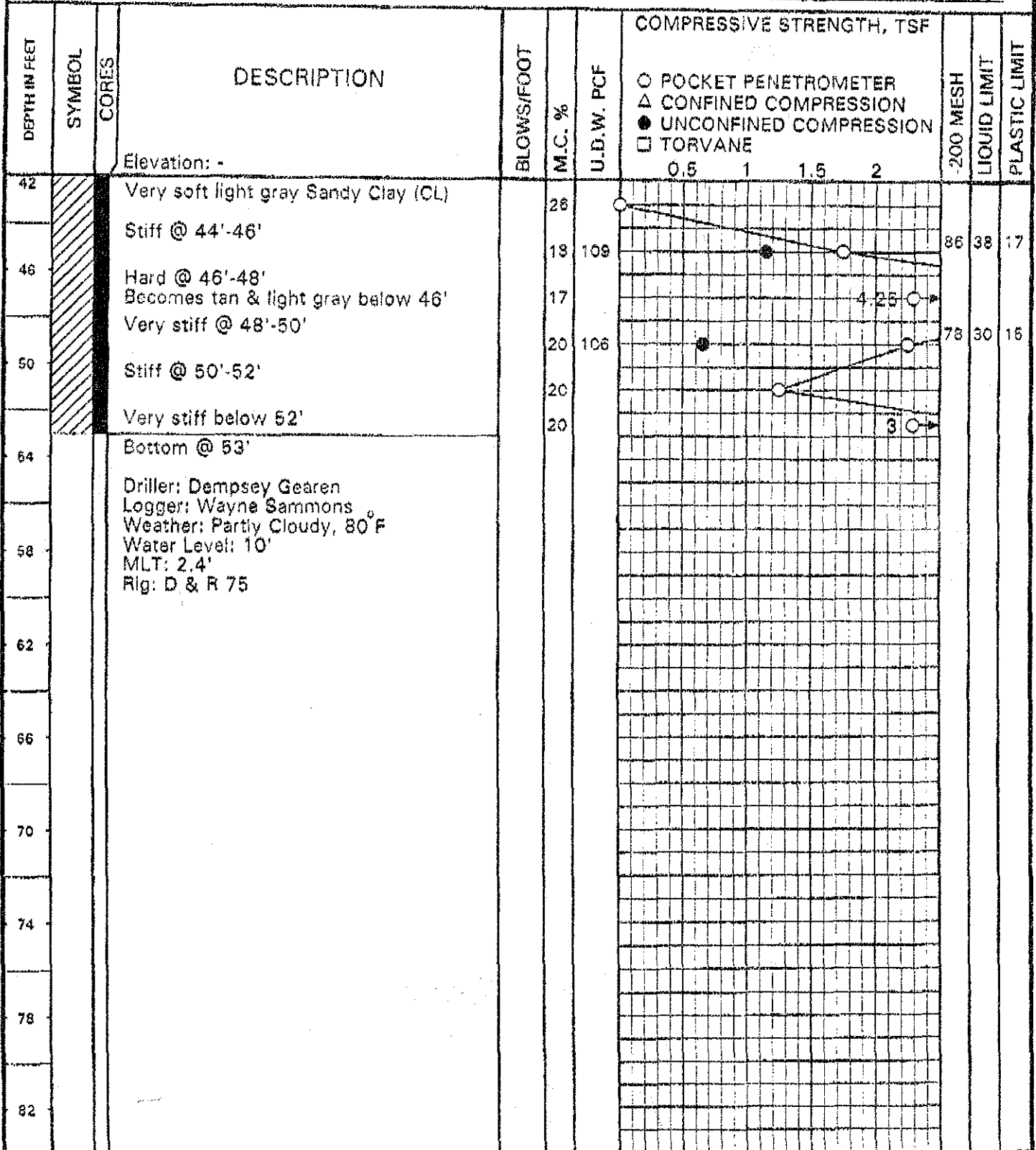
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12					93								
					148	58					99	184	91
16			W/ferrous nodules @ 16'-18'		103								
			W/shell @ 16'-24'		65								
20					76								
					79								
24					74								
					90								
28			W/silt seams below 28'		79	53					99	88	26
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WATER ENCOUNTERED AT _____ FEET WHILE DRILLING

WATER LEVEL AT _____ FEET AFTER _____ HOURS

DRILLED BY DG CHECKED BY OL LOGGED BY WS

PROJECT: Port Authur WaterwayBORING 94-30DATE MAY 26, 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 OL LOGGED BY WS

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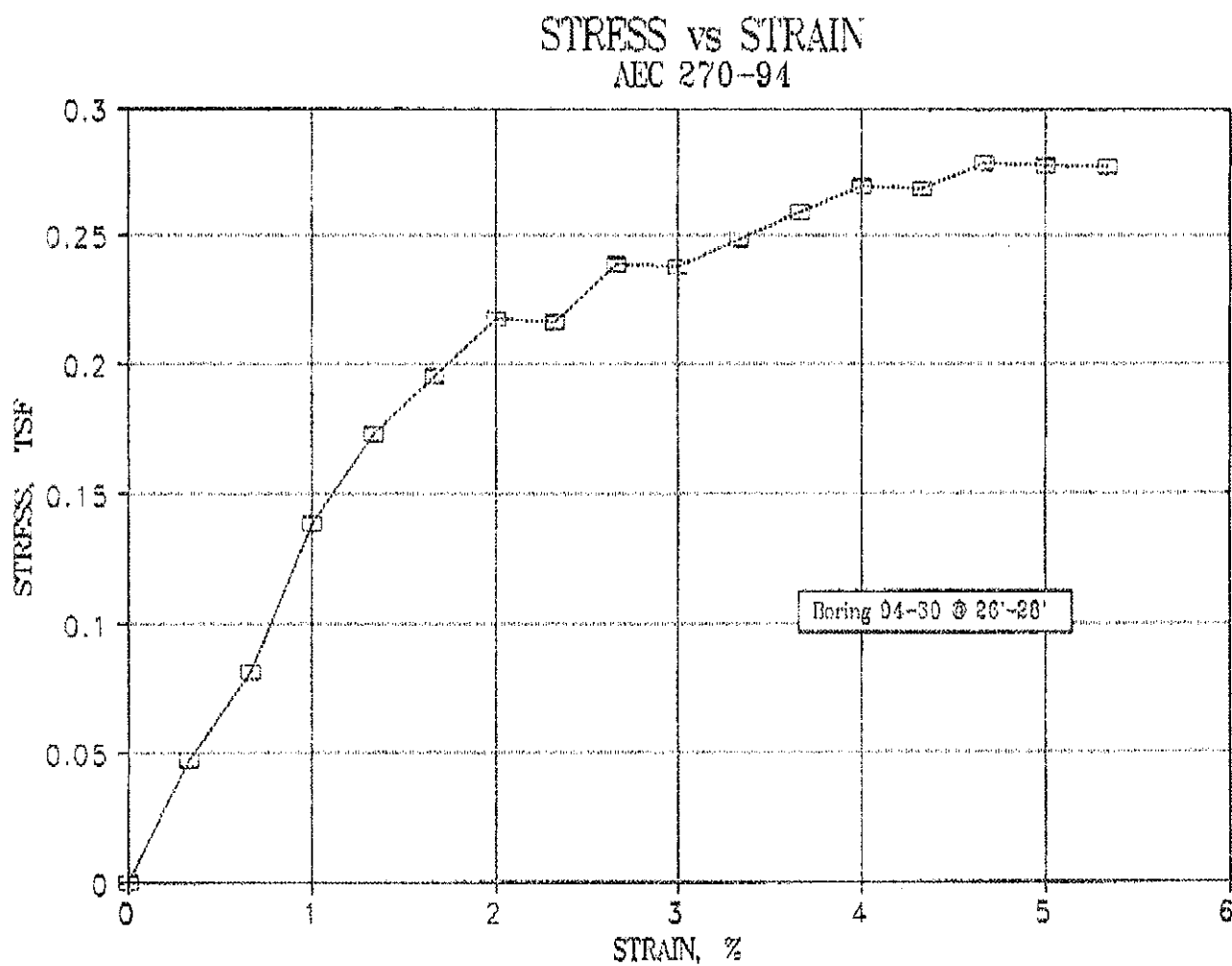


FIGURE 8

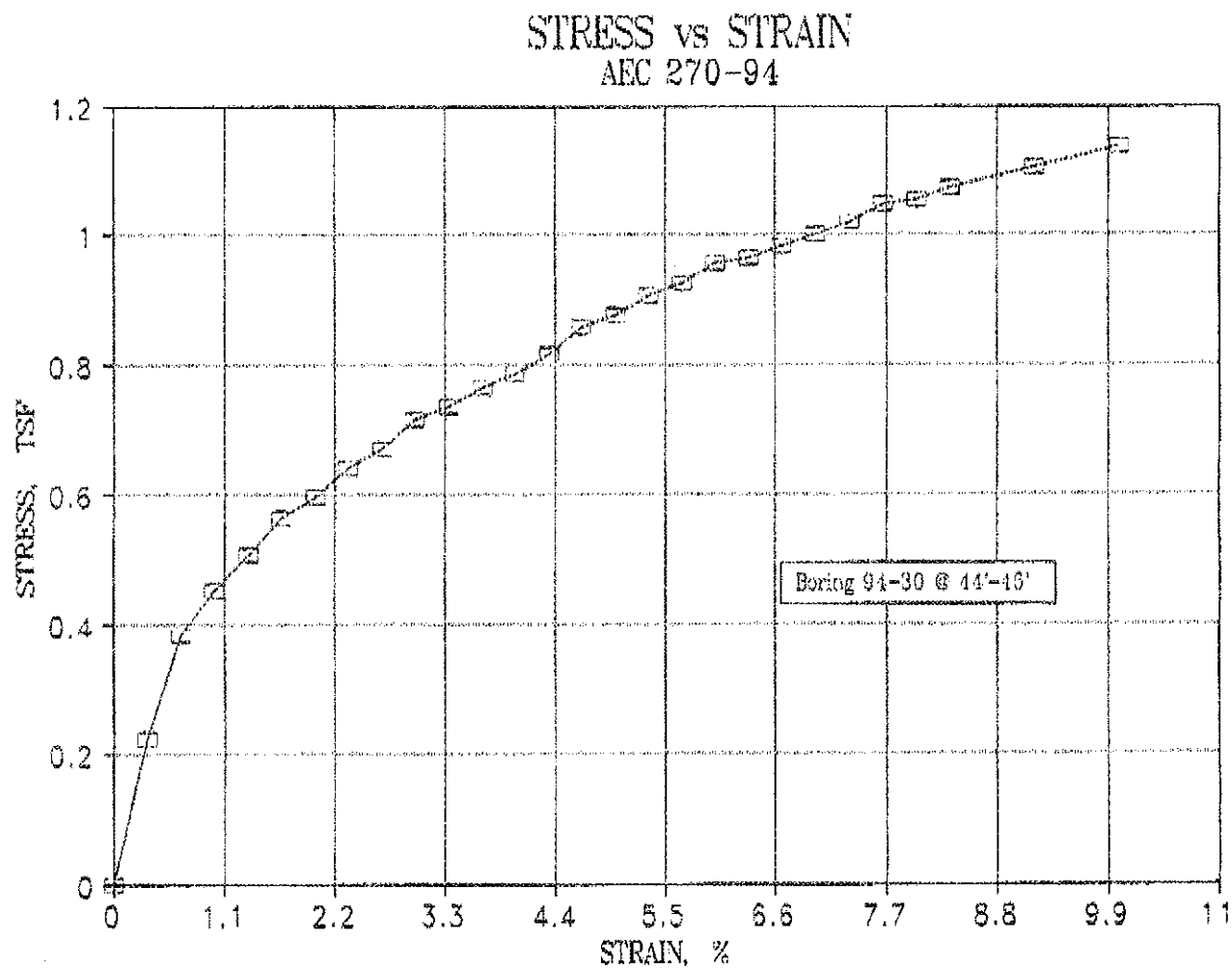


FIGURE 9

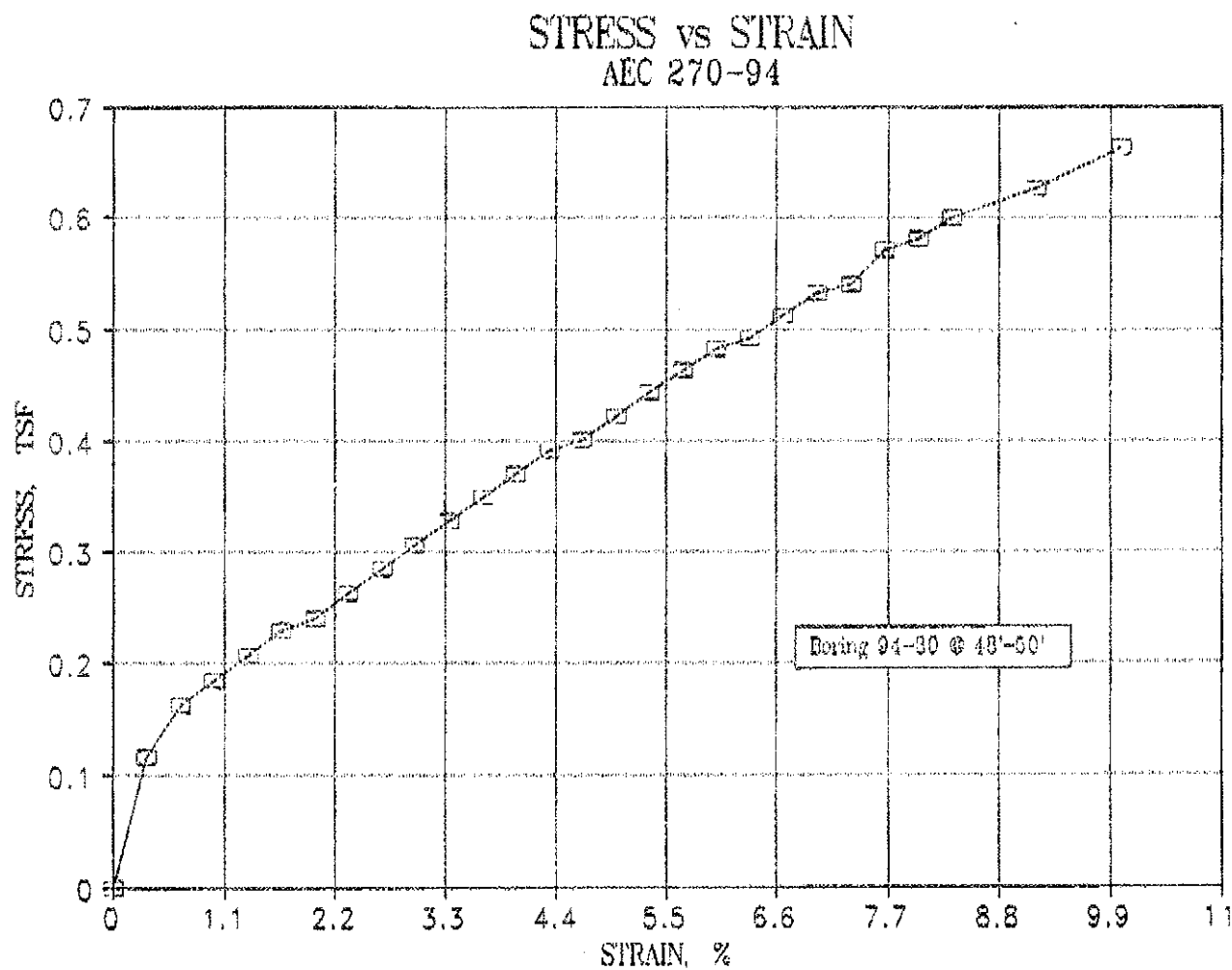


FIGURE 10