



# CPT Data

Job Number 1907-0075

CPT Number C-2201

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 04-Dec-2007 08:47:29

Cone Number F7.5CKEW2/B 1831

Client MACTEC

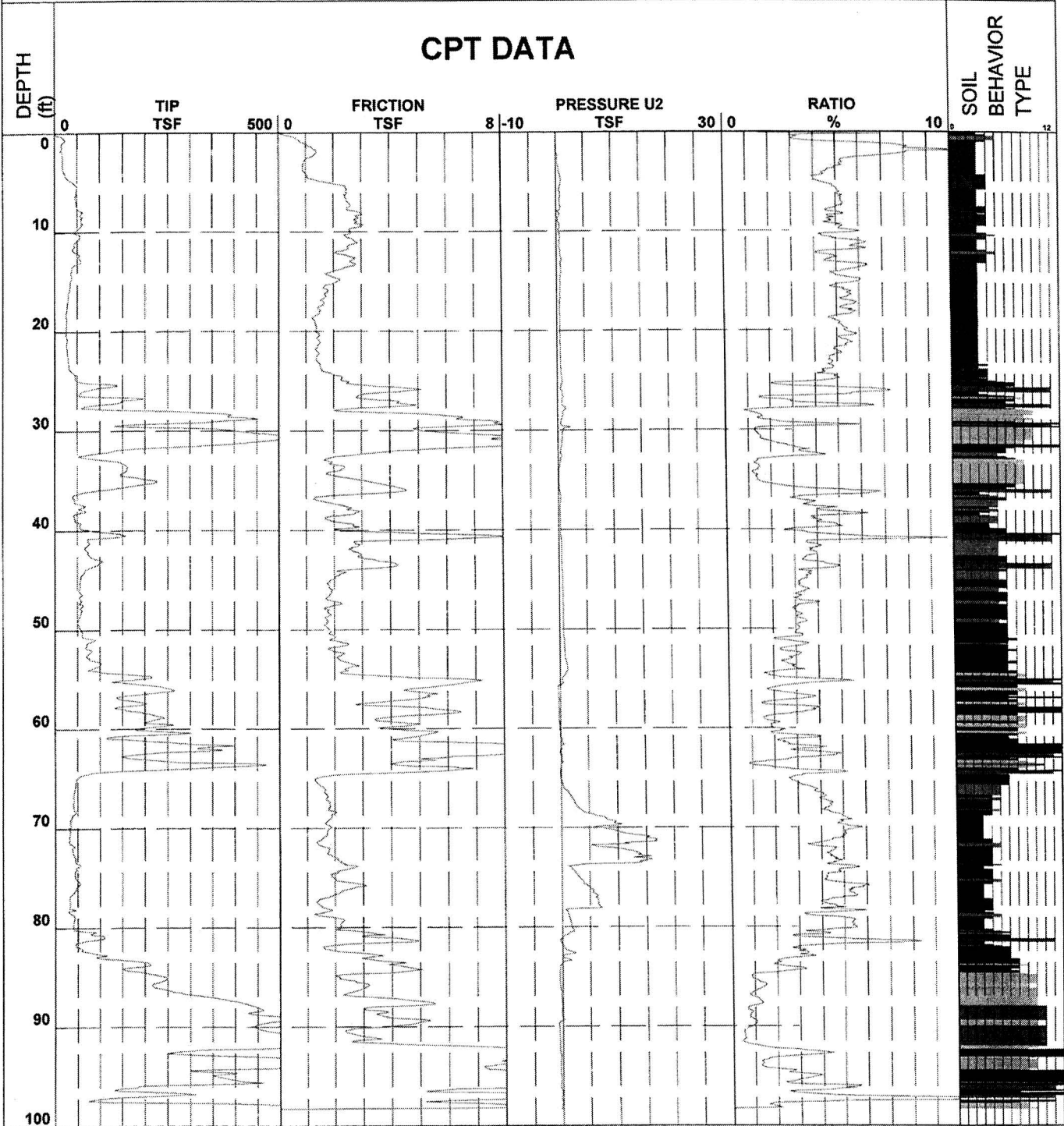
Elevation 80.62

Water Table ND

Coord. North 13413541.97

Coord. East 2600349.92

Check: DS Verify: JS

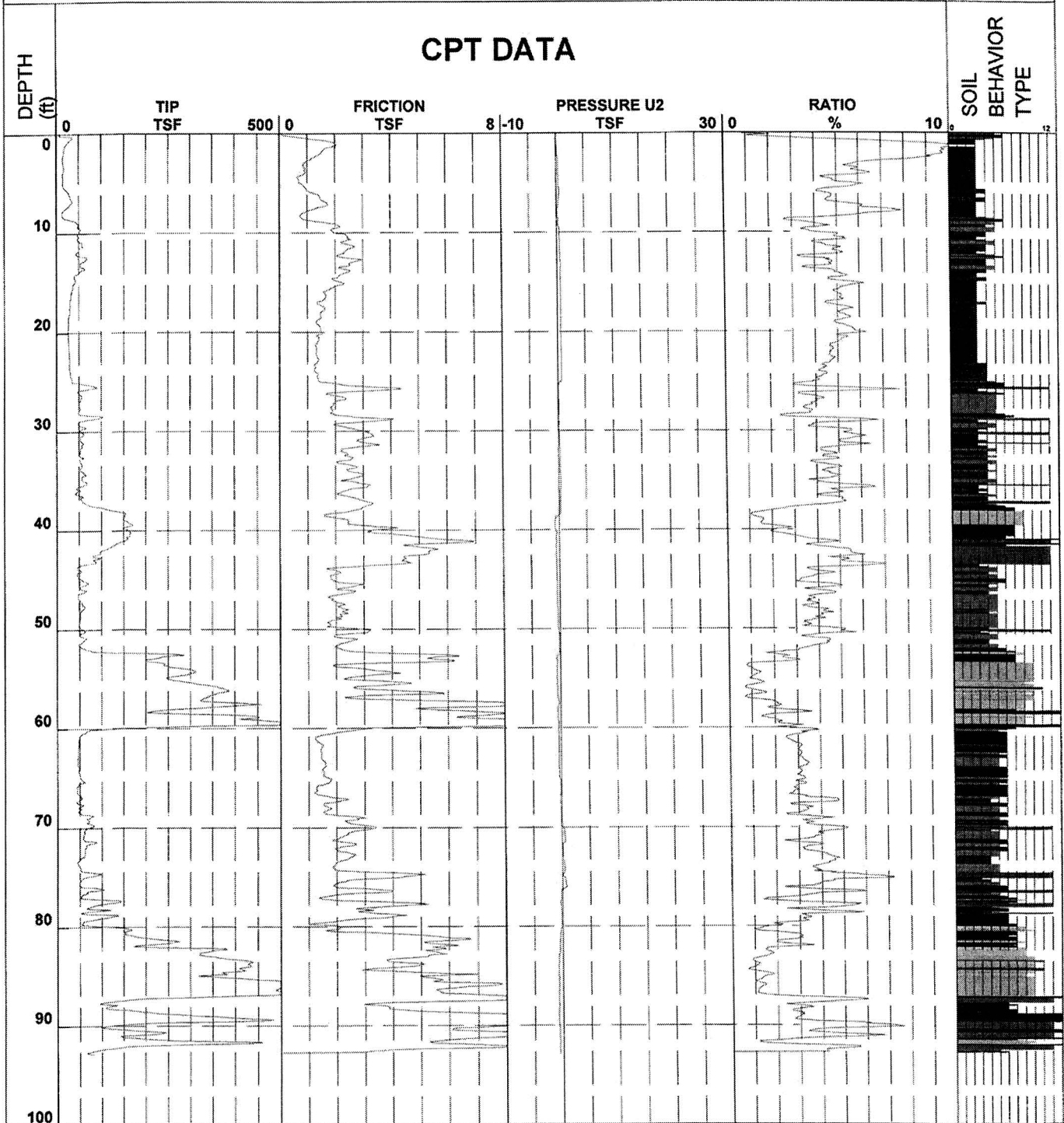


- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075      CPT Number C-2202S      Location Exelon Victoria, TX  
 Operator Albert Fonseca      Date and Time 15-Nov-2007 12:52:34      Cone Number A15F2.5CKE3S1788  
 Client MACTEC      Elevation 80.42      Water Table ND  
 Coord. North 13413315.91      Coord. East 2600345.61      Check: *DF* Verify *DF*



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075

CPT Number C-2203

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 28-Nov-2007 10:07:10

Cone Number F7.5CKEW2/B 1832

Client MACTEC

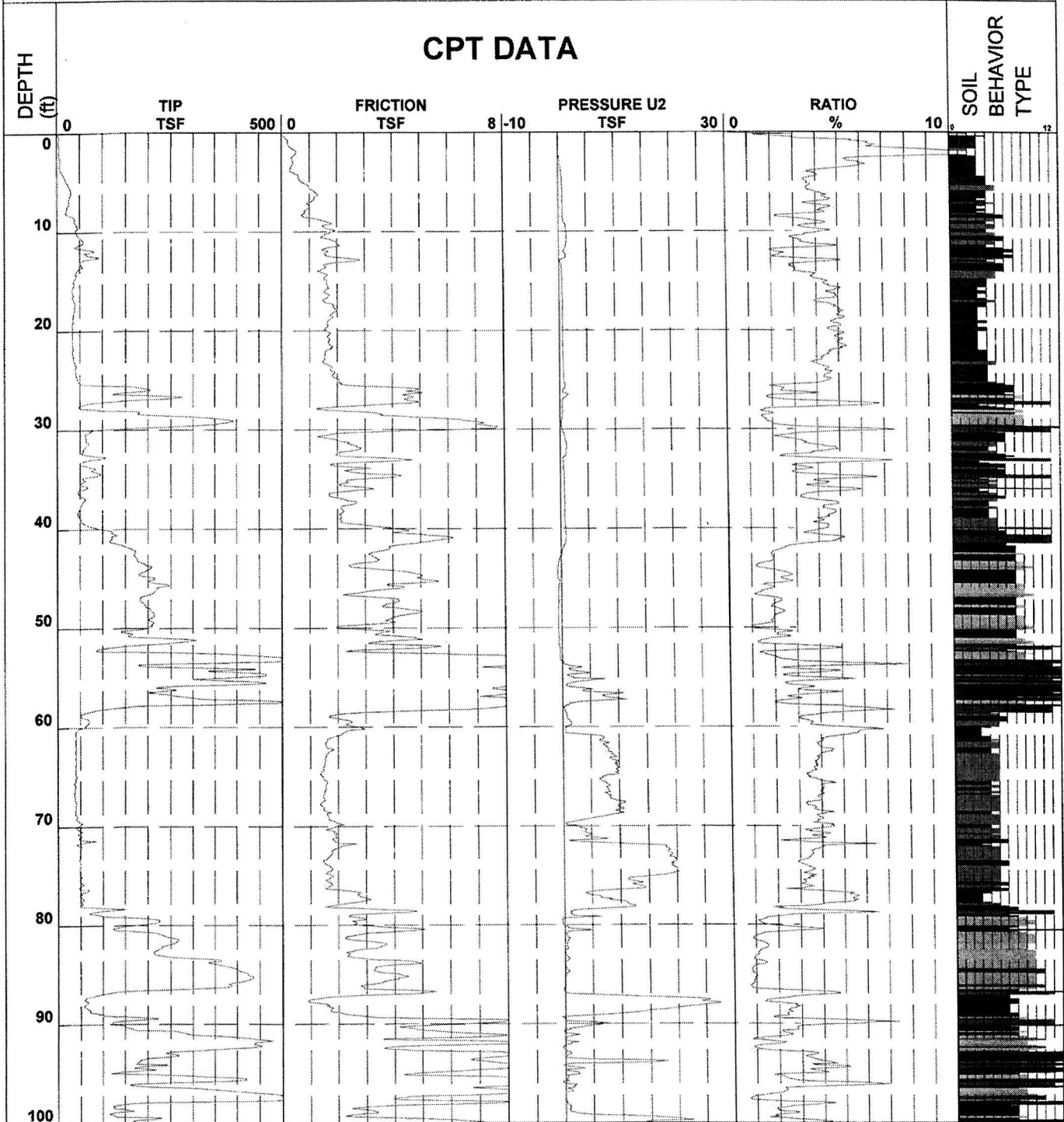
Elevation 80.56

Water Table ND

Coord. North 13413489.00

Coord. East 2600490.16

Check: *AS* Verify: *AS*

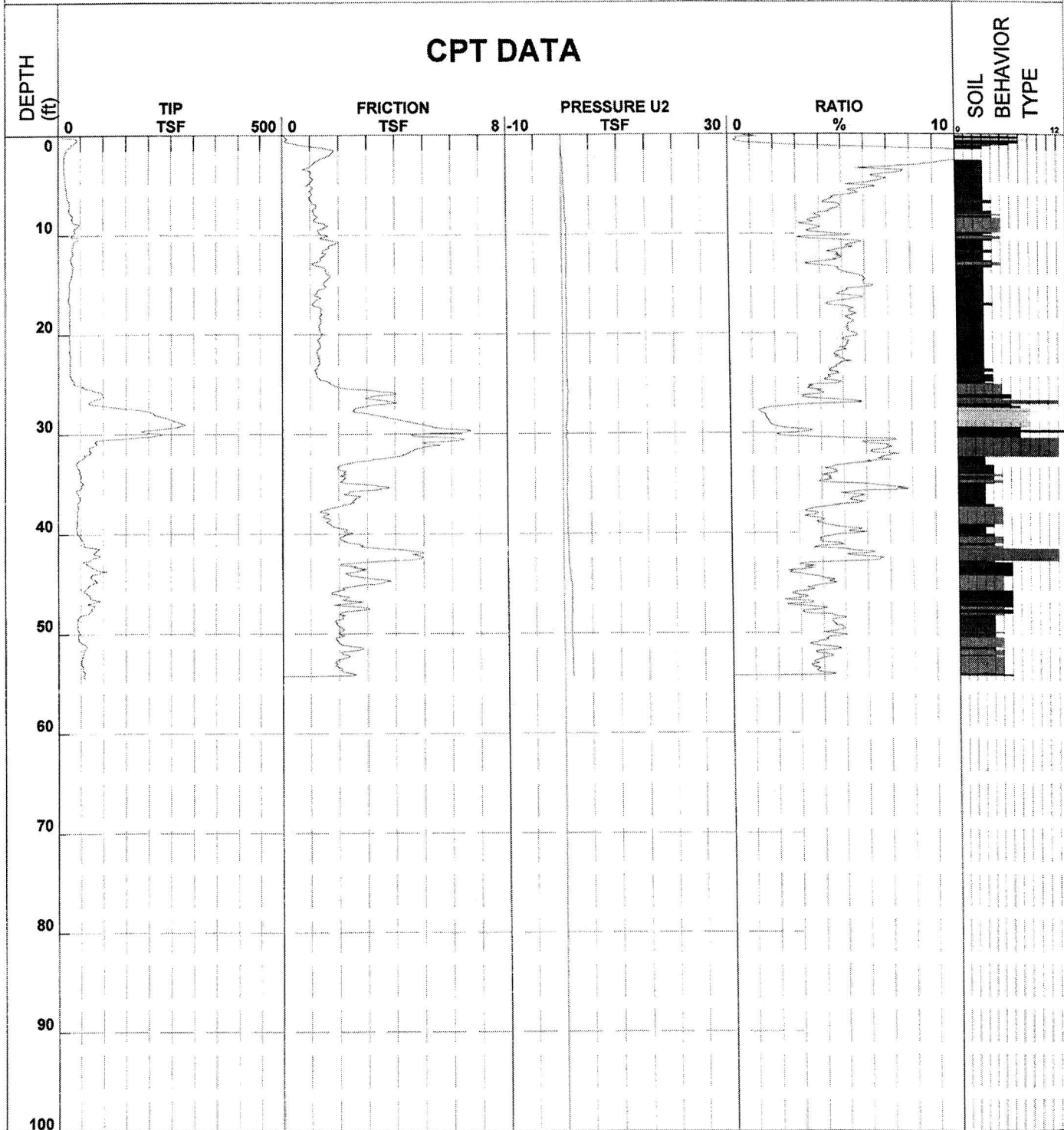


- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |

# CPT Data - DISREGARD



Job Number 1907-0075      CPT Number C-2204S      Location Exelon Victoria-TX  
 Operator Albert Fonseca      Date and T 16-Nov-2007 13:39:56      Cone Number A15F2.5CKE3S1788  
 Client MACTEC      Elevation 80.35      Water Table ND  
 Coord. North 13412953.12      Coord. East 2600347.76      Check: NA      Verify: NA

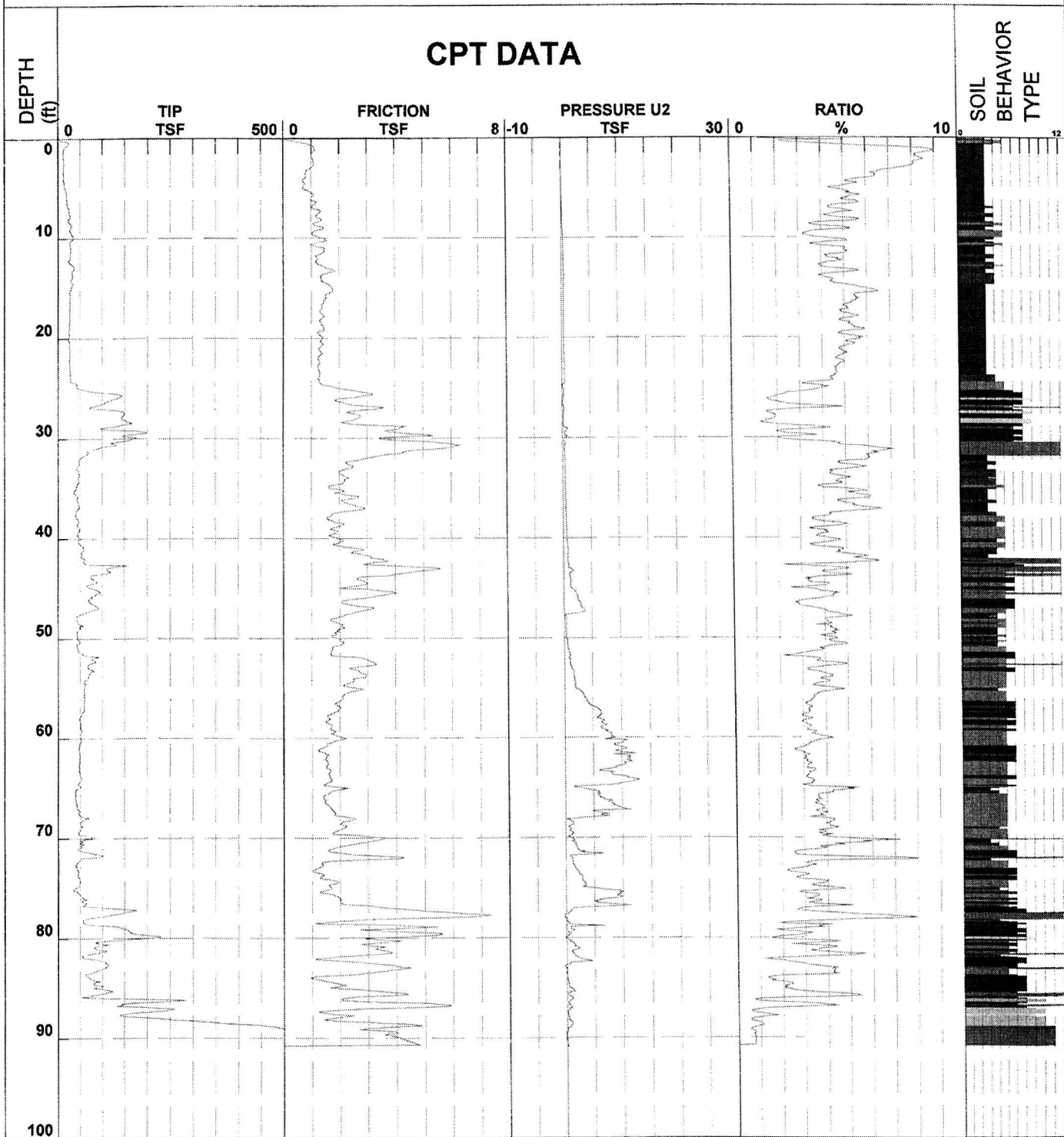


- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |

# CPT Data - DISREGARD



Job Number <u>1907-0075</u>	CPT Number <u>C-2204SA</u>	Location <u>Exelon Victoria-TX</u>
Operator <u>Albert Fonseca</u>	Date and T <u>17-Nov-2007 08:04:23</u>	Cone Number <u>A15F2.5CKE3S1788</u>
Client <u>MACTEC</u>	Elevation <u>80.30</u>	Water Table <u>ND</u>
Coord. North <u>13412954.25</u>	Coord. East <u>2600354.46</u>	Check: <u>NA</u> Verify: <u>NA</u>



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075

CPT Number C-2204SB

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 10-Jan-2008 11:11:25

Cone Number A15F2.5CKE3S1788

Client MACTEC

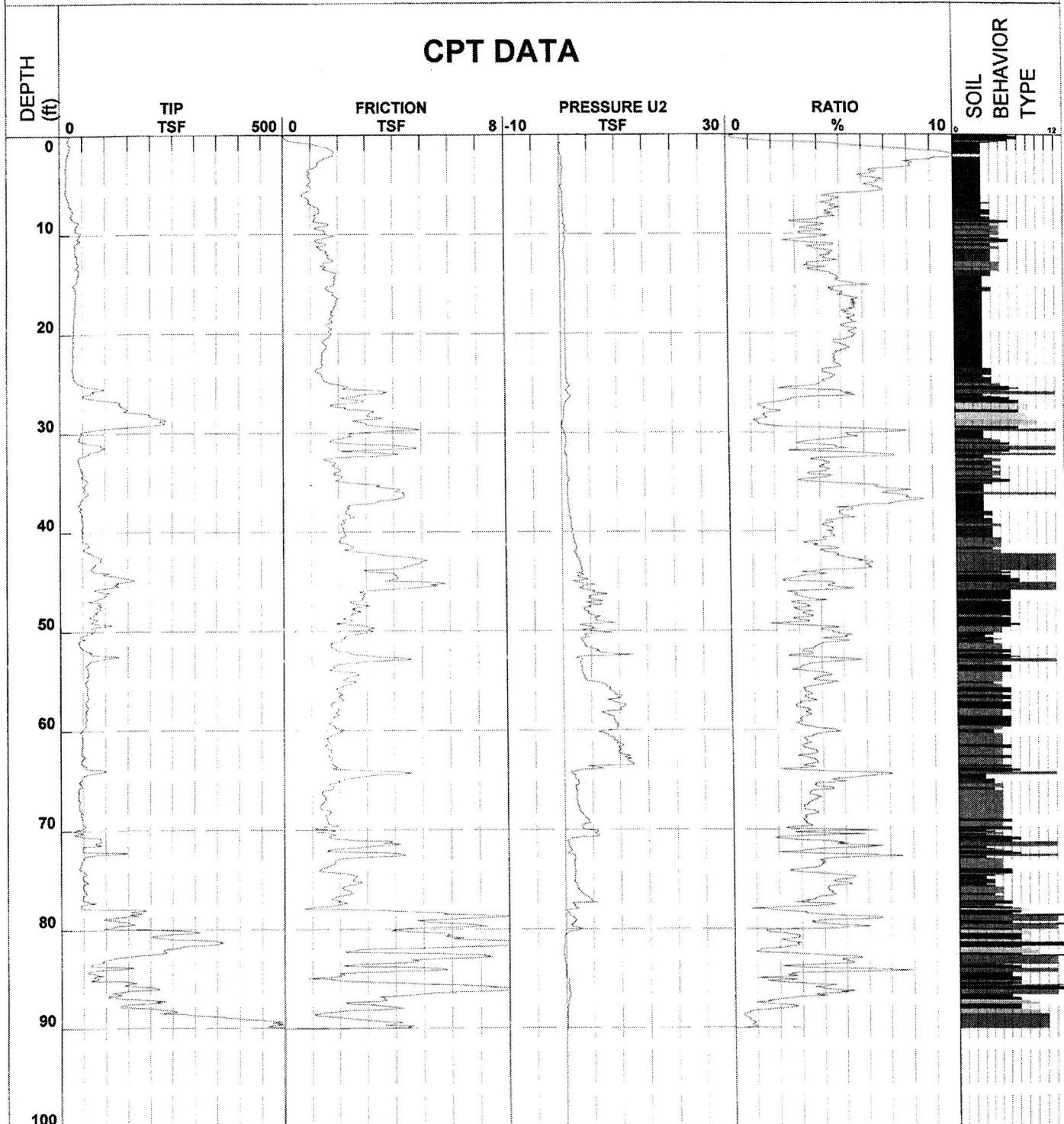
Elevation 80.18

Water Table ND

Coord. North 13412963.86

Coord. East 2600351.20

Check: RS Verify: [Signature]

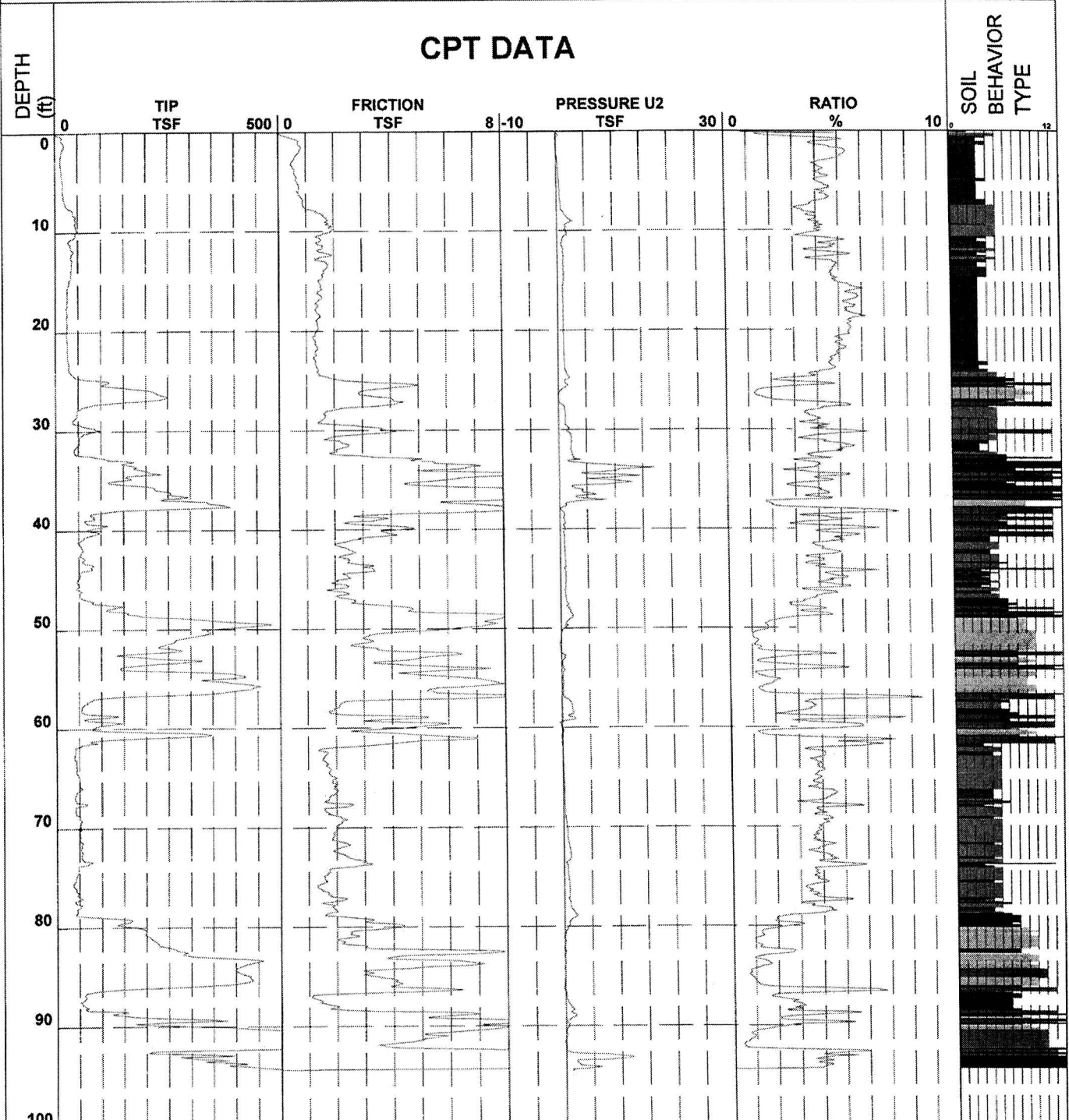


- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (\*)
- 12 - sand to clayey sand (\*)



# CPT Data

Job Number 1907-0075      CPT Number C-2205      Location Exelon Victoria, TX  
 Operator Albert Fonseca      Date and Time 28-Nov-2007 08:15:31      Cone Number F7.5CKEW2/B 1832  
 Client MACTEC      Elevation 80.39      Water Table ND  
 Coord. North 13412036.37      Coord. East 2600417.96      Check: *DB* Verify: *[Signature]*



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075

CPT Number C-2206S

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Tin 17-Nov-2007 15:00:41

Cone Number A15F2.5CKE3S1788

Client MACTEC

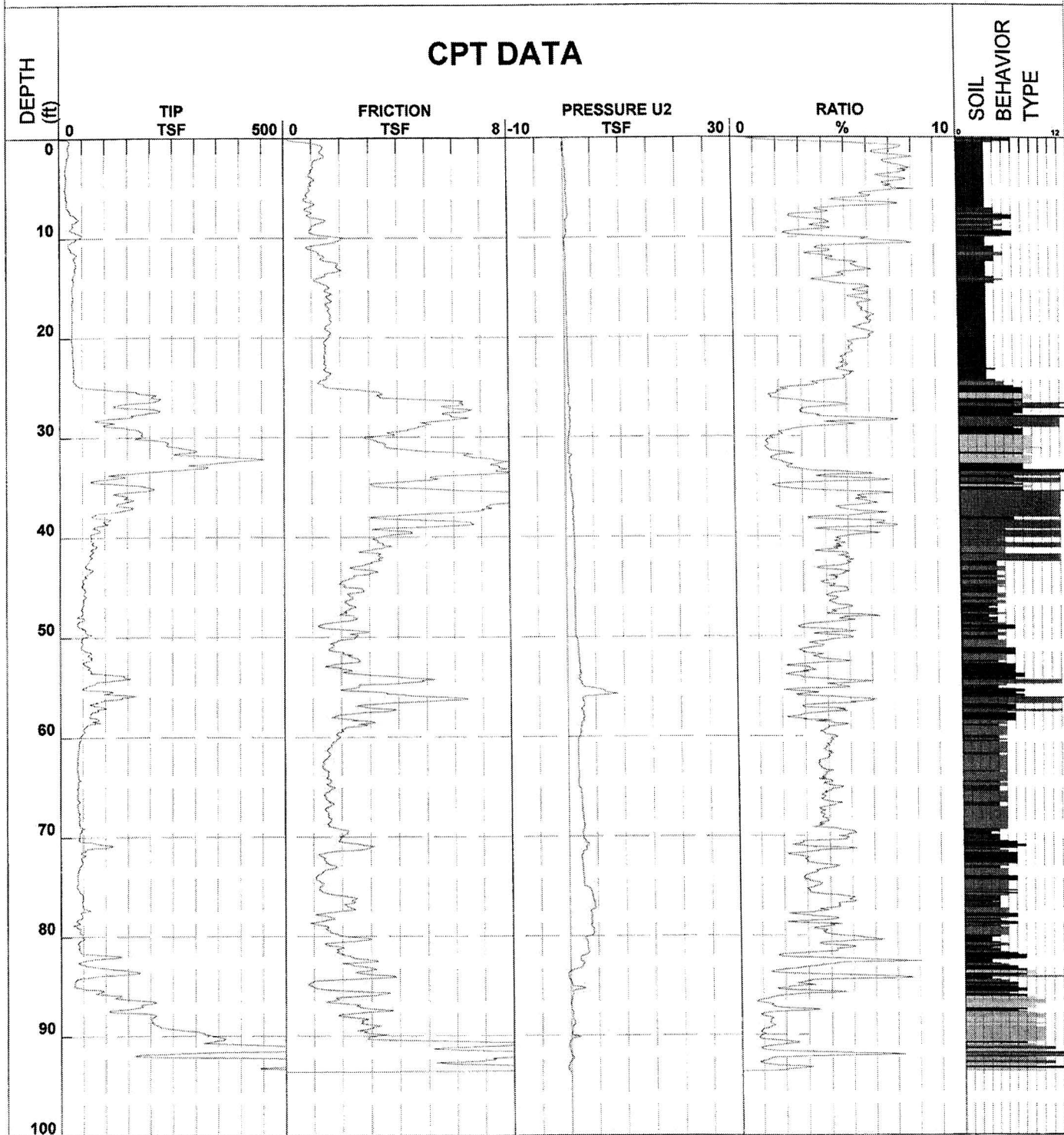
Elevation 80.63

Water Table ND

Coord. North 13413071.11

Coord. East 2600604.08

Check: 18 Verify: JW



- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (\*)
- 12 - sand to clayey sand (\*)





# CPT Data

Job Number 1907-0075

CPT Number C-2206

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Tin 12-Dec-2007 11:26:46

Cone Number F7.5CKEW2/B 1831

Client MACTEC

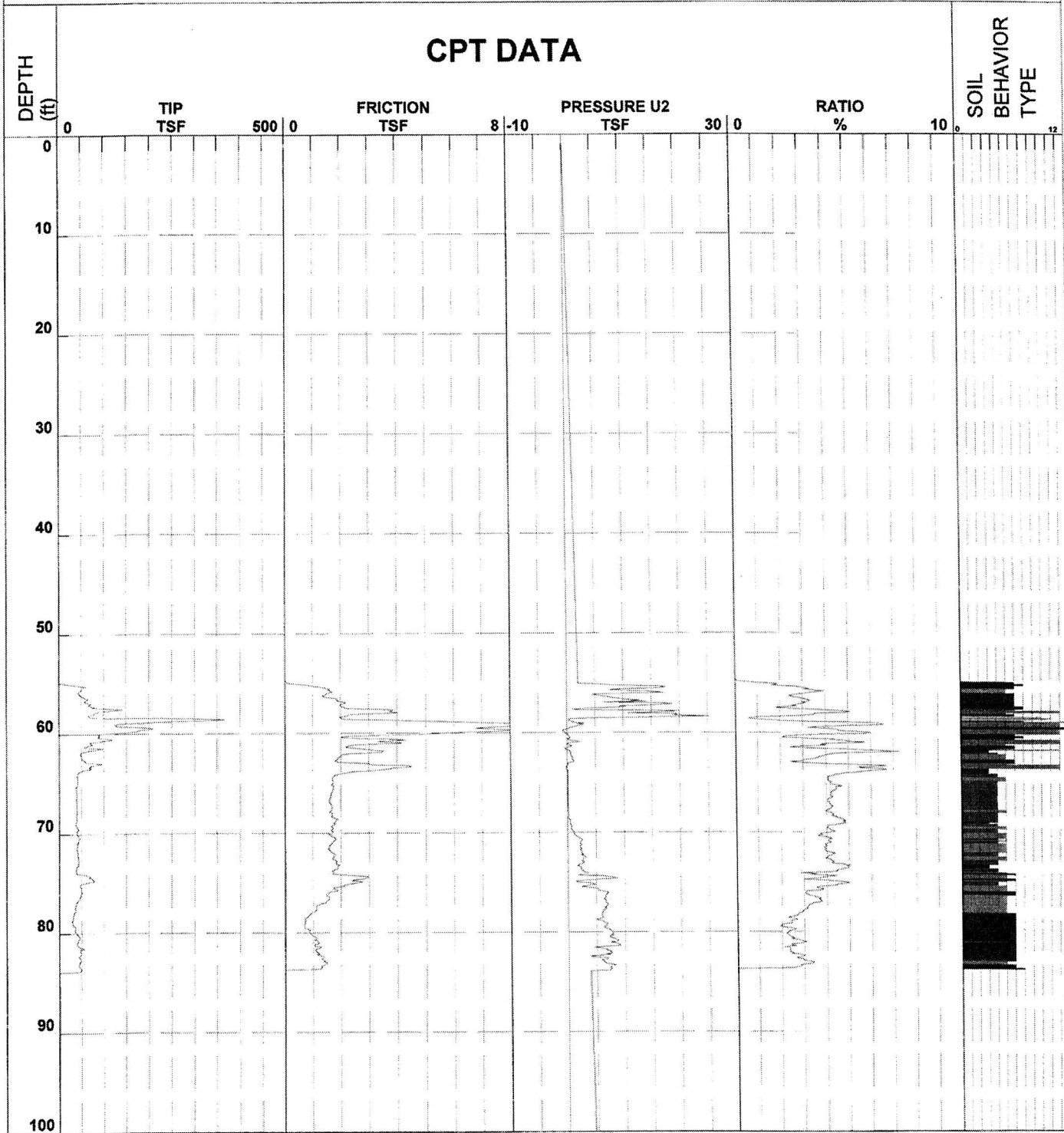
Elevation 80.22

Water Table ND

Coord. North 13413081.83

Coord. East 2600615.27

Check: *[Signature]* Verify: *[Signature]*



- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (\*)
- 12 - sand to clayey sand (\*)



# CPT Data

Job Number 1907-0075

CPT Number C-2206

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Tin 12-Dec-2007 11:26:46

Cone Number F7.5CKEW2/B 1831

Client MACTEC

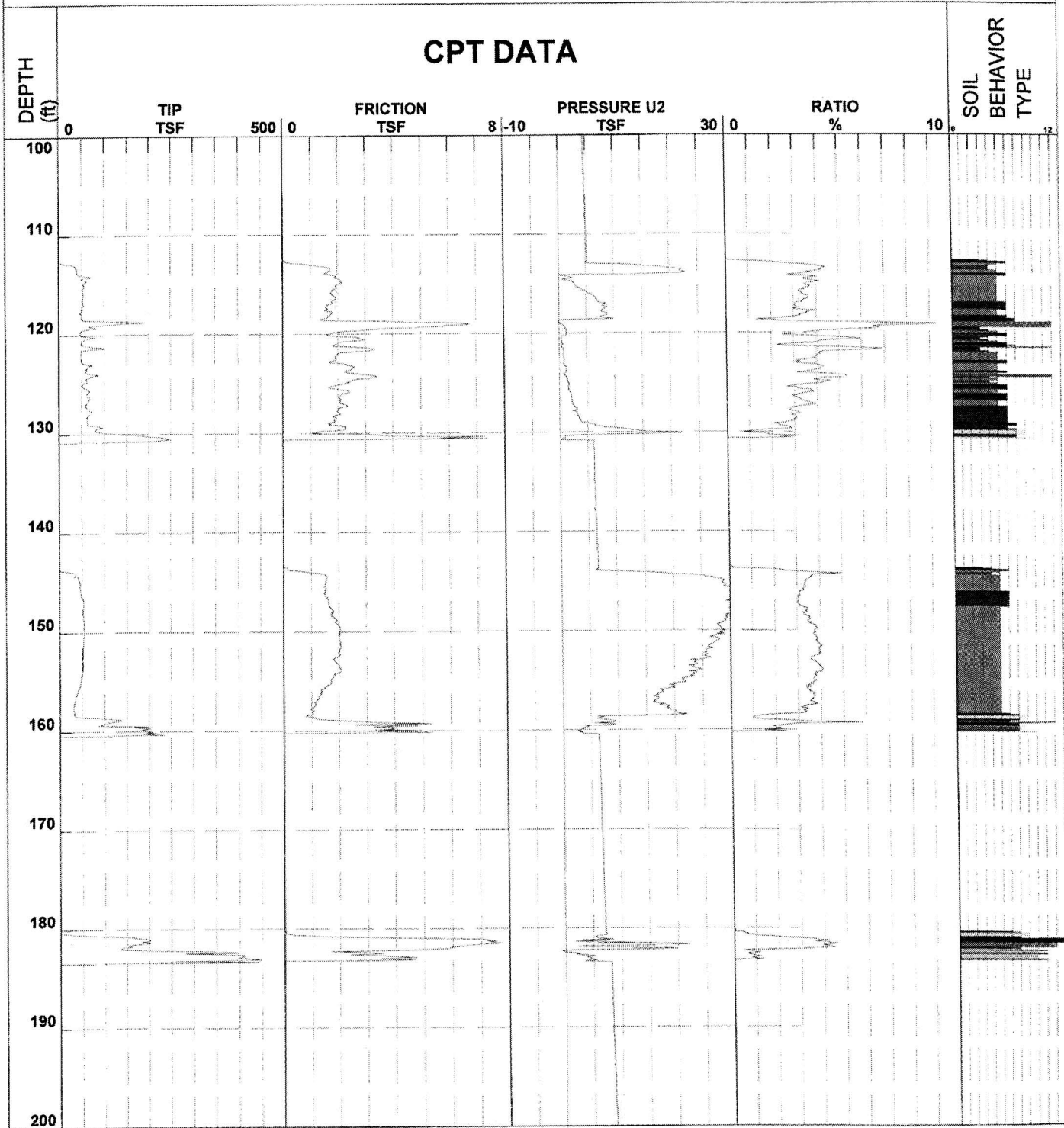
Elevation 80.22

Water Table ND

Coord. North 13413081.83

Coord. East 2600615.27

Check: 19 Verify: [Signature]

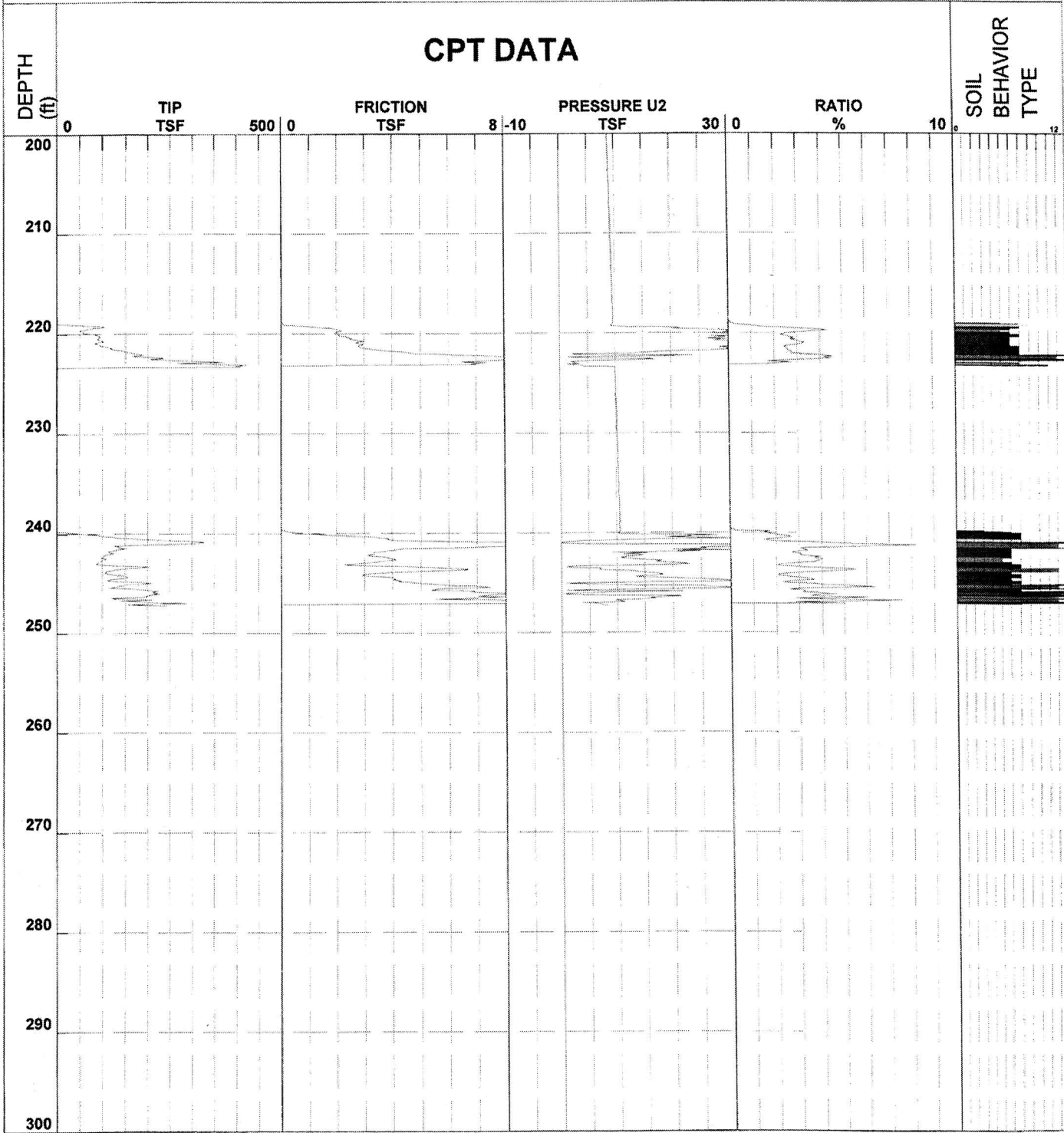


- 1 - sensitive fine grained
- 4 - silty clay to clay
- 7 - silty sand to sandy silt
- 10 - gravelly sand to sand
- 2 - organic material
- 5 - clayey silt to silty clay
- 8 - sand to silty sand
- 11 - very stiff fine grained (\*)
- 3 - clay
- 6 - sandy silt to clayey silt
- 9 - sand
- 12 - sand to clayey sand (\*)



# CPT Data

Job Number 1907-0075      CPT Number C-2206      Location Exelon Victoria, TX  
 Operator Albert Fonseca      Date and Tin 12-Dec-2007 11:26:46      Cone Number F7.5CKEW2/B 1831  
 Client MACTEC      Elevation 80.22      Water Table ND  
 Coord. North 13413081.83      Coord. East 2600615.27      Check: *[Signature]* Verify: *[Signature]*



- 1 - sensitive fine grained
- 4 - silty clay to clay
- 7 - silty sand to sandy silt
- 10 - gravelly sand to sand
- 2 - organic material
- 5 - clayey silt to silty clay
- 8 - sand to silty sand
- 11 - very stiff fine grained (\*)
- 3 - clay
- 6 - sandy silt to clayey silt
- 9 - sand
- 12 - sand to clayey sand (\*)



# CPT Data

Job Number 1907-0075

CPT Number C-2207

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 27-Nov-2007 09:11:52

Cone Number F7.5CKEW2/B 1832

Client MACTEC

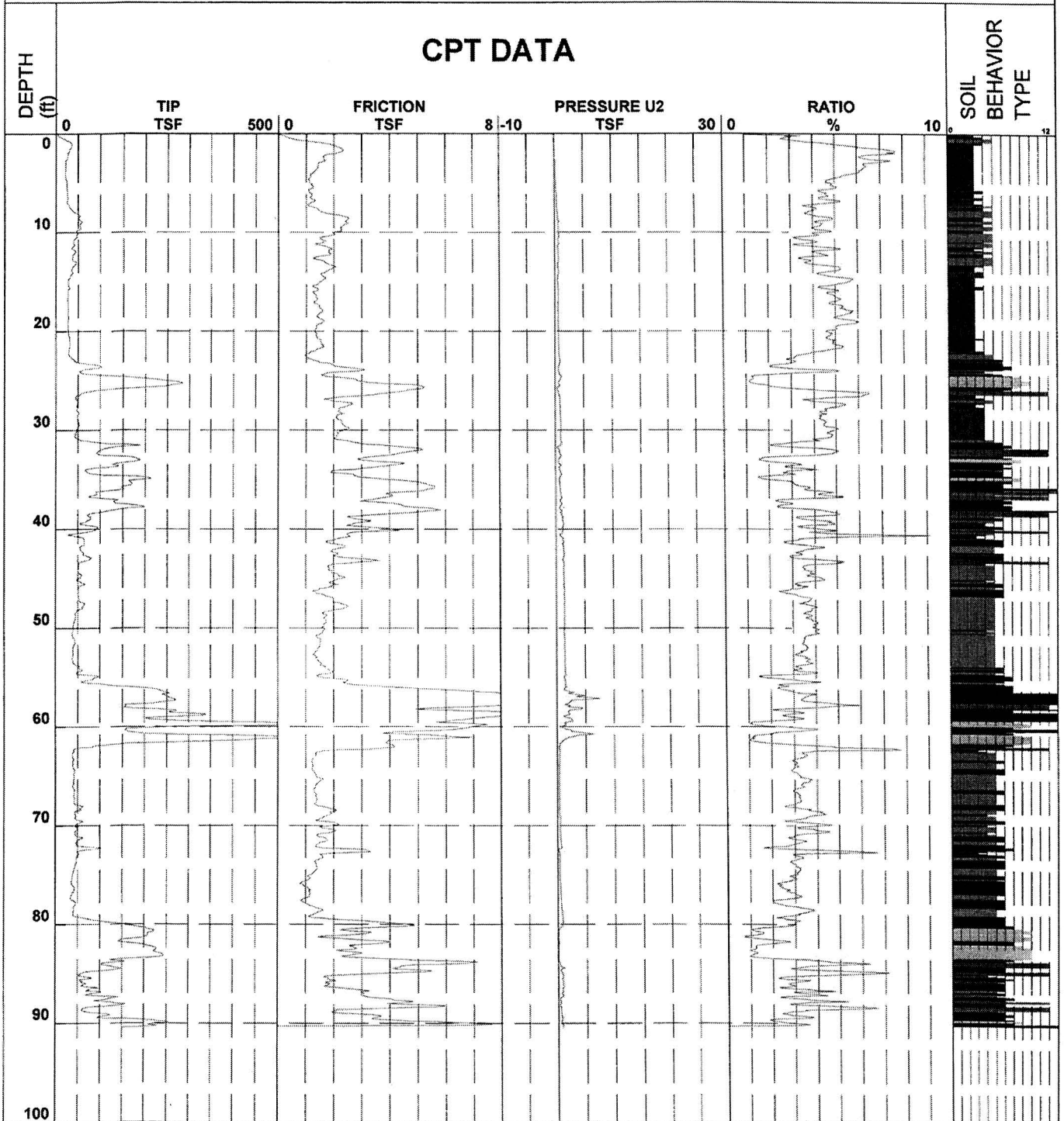
Elevation 80.39

Water Table ND

Coord. North 13413071.18

Coord. East 2600687.06

Check: *DS* Verify: *[Signature]*



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075

CPT Number C-2208

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 18-Nov-2007 09:40:50

Cone Number F7.5CKEW2/B 1832

Client MACTEC

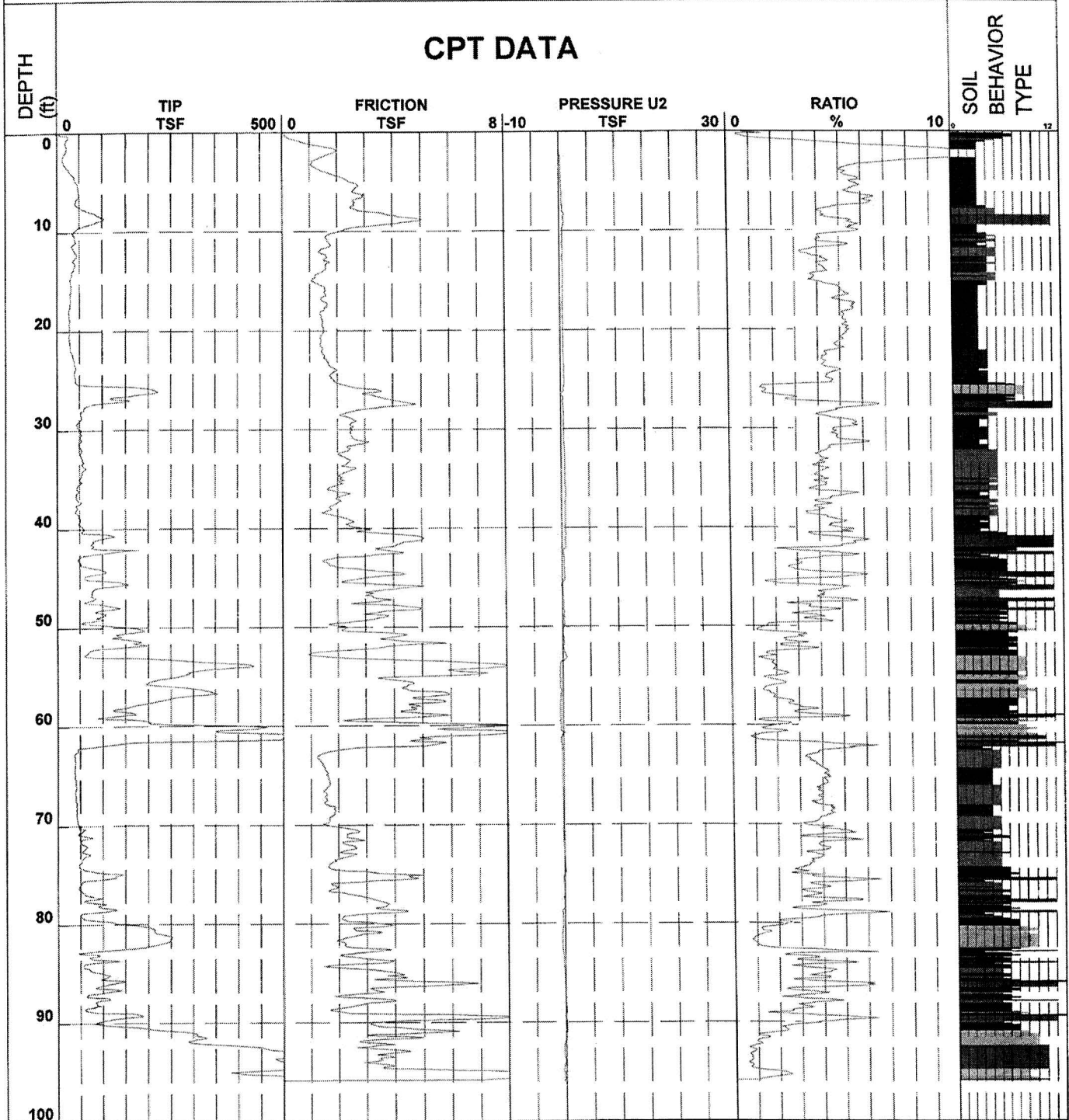
Elevation 80.54

Water Table ND

Coord. North 13413191.48

Coord. East 2600748.18

Check: *DF* Verify: *JS*



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075

CPT Number C-2209S

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 16-Nov-2007 08:09:46

Cone Number A15F2.5CKE3S1788

Client MACTEC

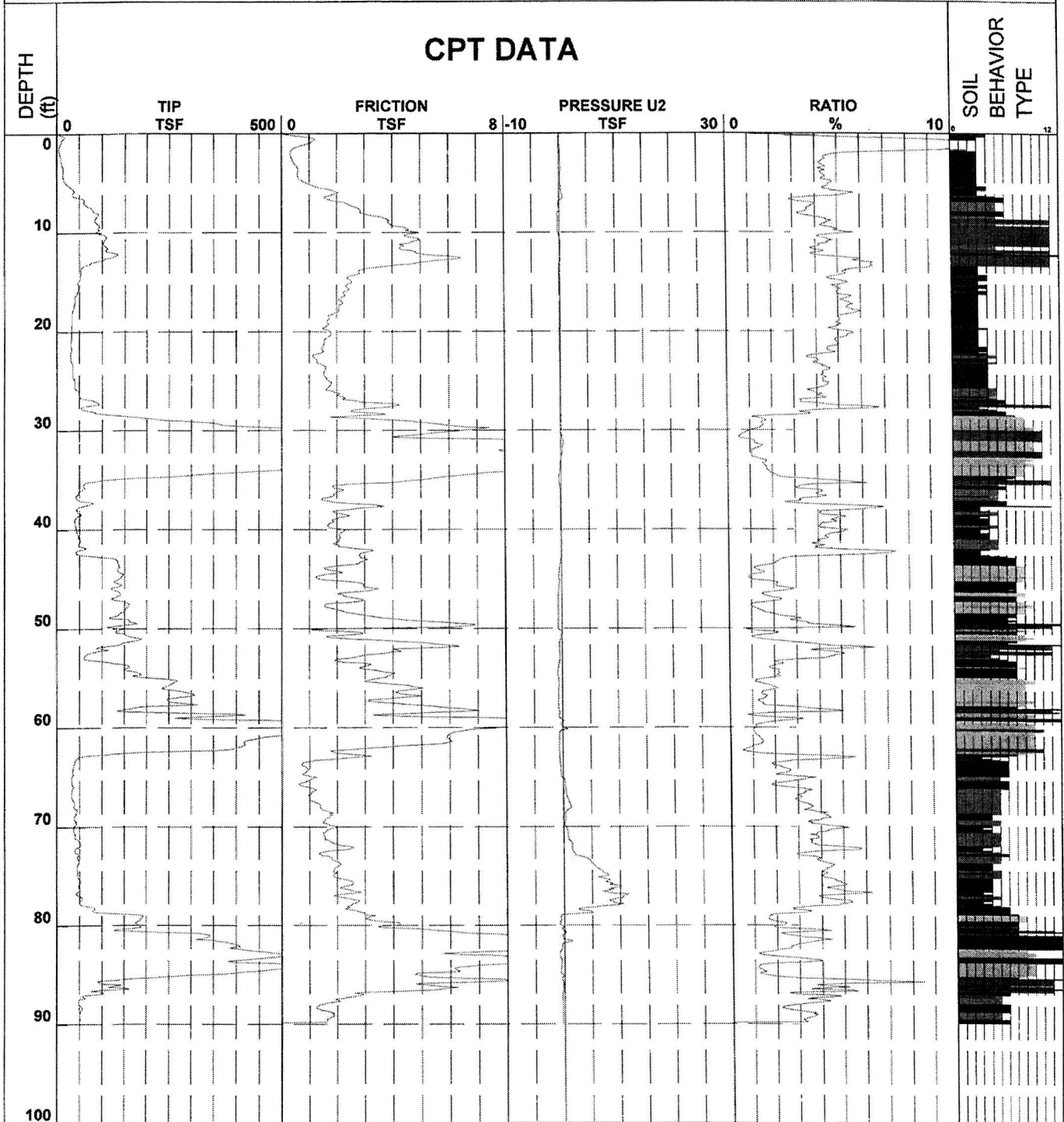
Elevation 80.27

Water Table ND

Coord. North 13413311.92

Coord. East 2600780.51

Check: PS Verify: [Signature]

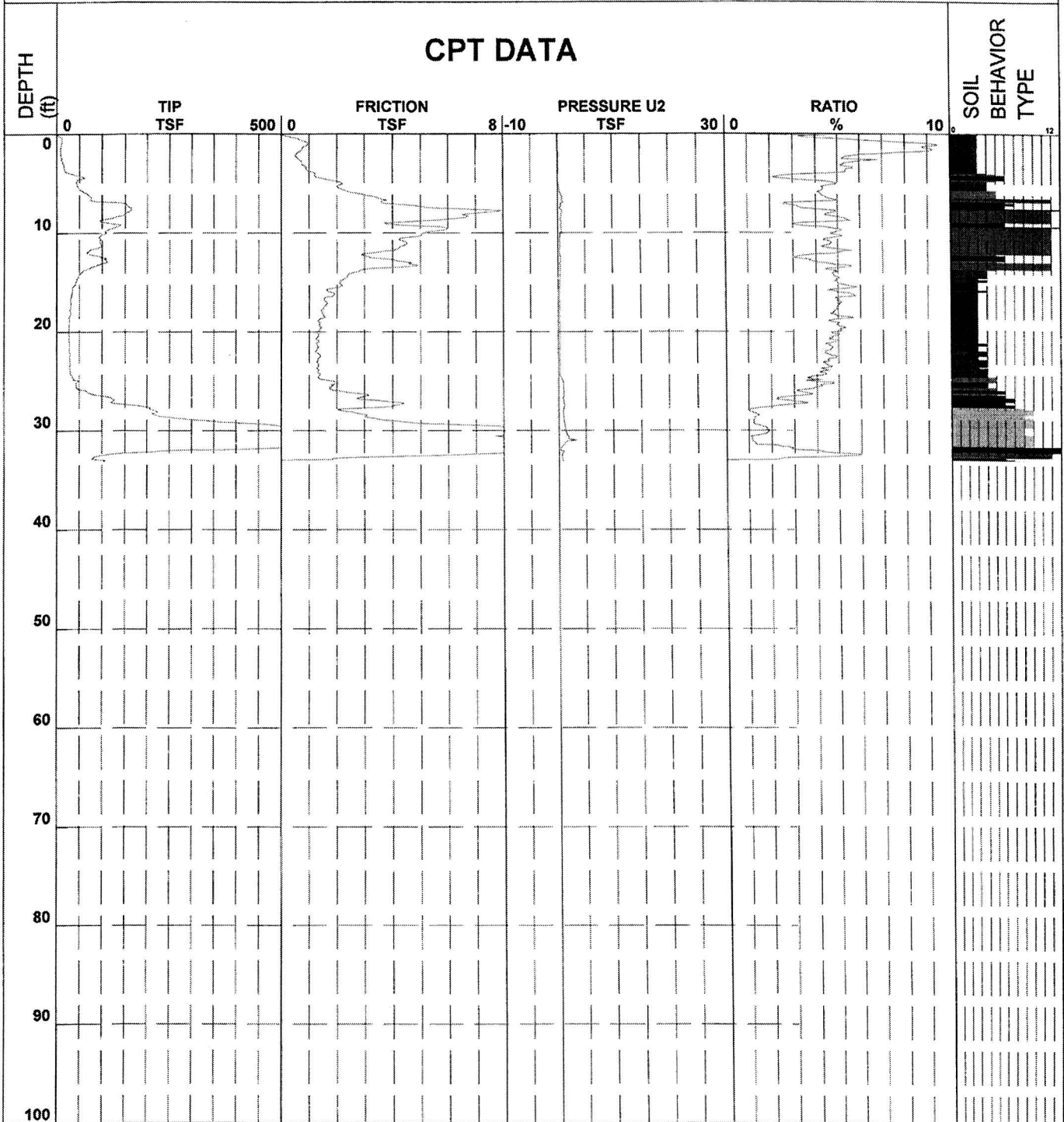


- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (\*)
- 12 - sand to clayey sand (\*)



# CPT Data - DISREGARD

Job Number 1907-0075      CPT Number C-2210      Location Exelon Victoria-TX  
 Operator Albert Fonseca      Date and T 18-Nov-2007 13:22:18      Cone Number F7.5CKEW2/B 1832  
 Client MACTEC      Elevation 80.30      Water Table ND  
 Coord. North 13413244.43      Coord. East 2600858.74      Check:NA      Verify:NA



- 1 - sensitive fine grained
- 2 - organic material
- 3 - clay
- 4 - silty clay to clay
- 5 - clayey silt to silty clay
- 6 - sandy silt to clayey silt
- 7 - silty sand to sandy silt
- 8 - sand to silty sand
- 9 - sand
- 10 - gravelly sand to sand
- 11 - very stiff fine grained (\*)
- 12 - sand to clayey sand (\*)



# CPT Data

Job Number 1907-0075

CPT Number C-2210A

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Tin 18-Nov-2007 14:10:50

Cone Number F7.5CKEW2/B 1832

Client MACTEC

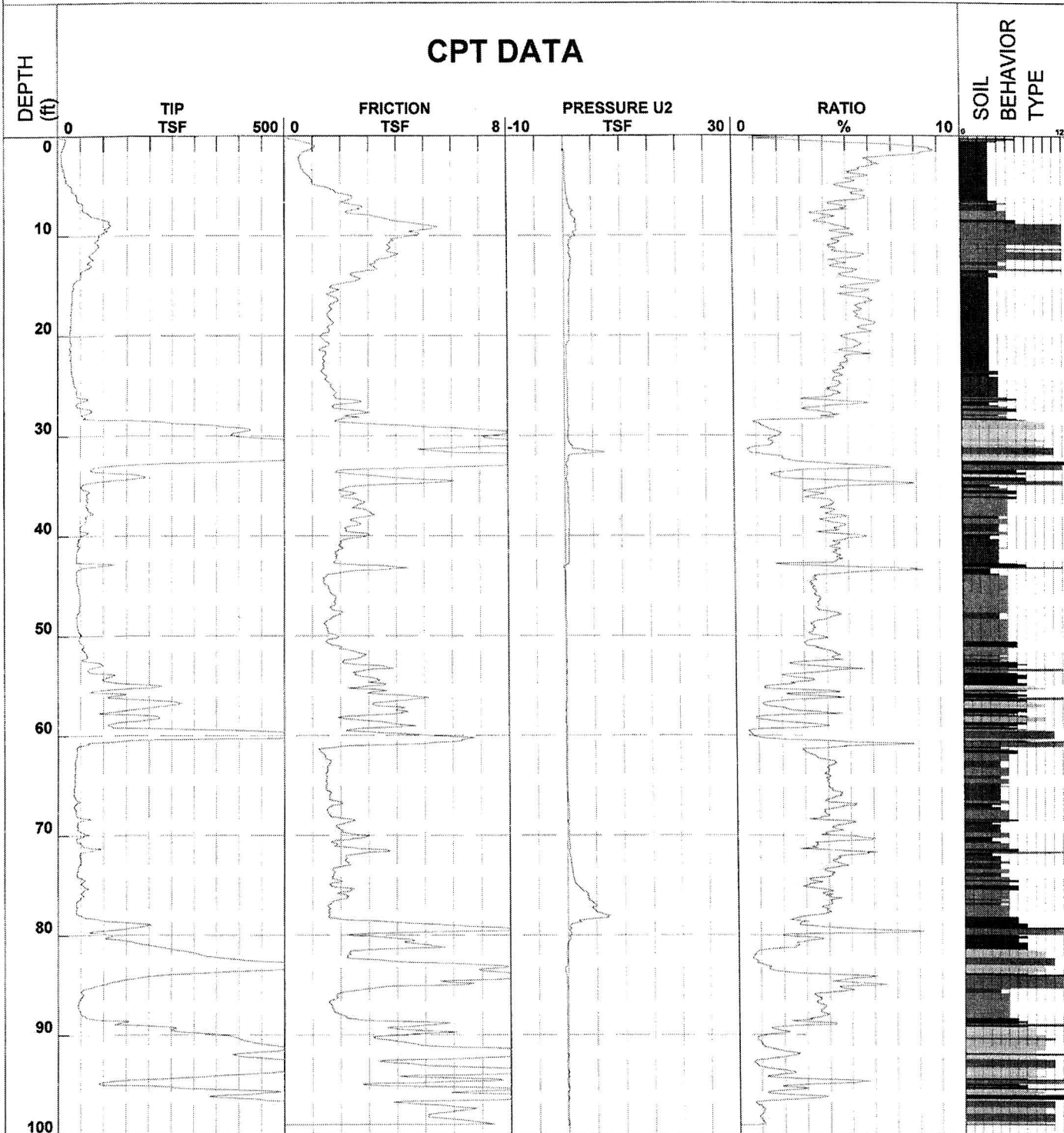
Elevation 79.87

Water Table ND

Coord. North 13413246.80

Coord. East 2600860.38

Check: B Verify: H



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |





# CPT Data

Job Number 1907-0075

CPT Number C-2211

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 18-Nov-2007 08:15:05

Cone Number F7.5CKEW2/B 1832

Client MACTEC

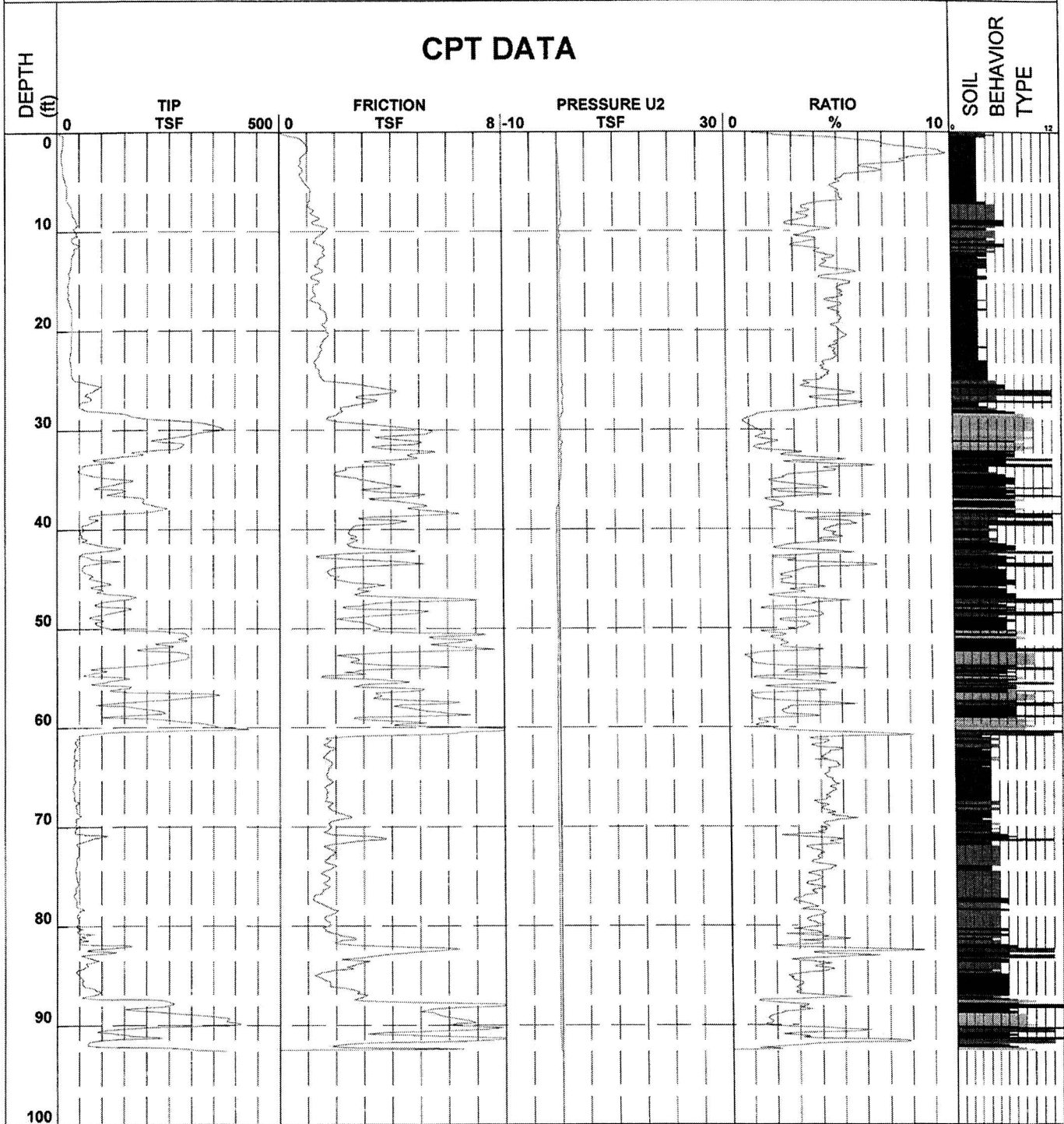
Elevation 80.20

Water Table ND

Coord. North 13412992.38

Coord. East 2600730.80

Check: *[Signature]* Verify: *[Signature]*

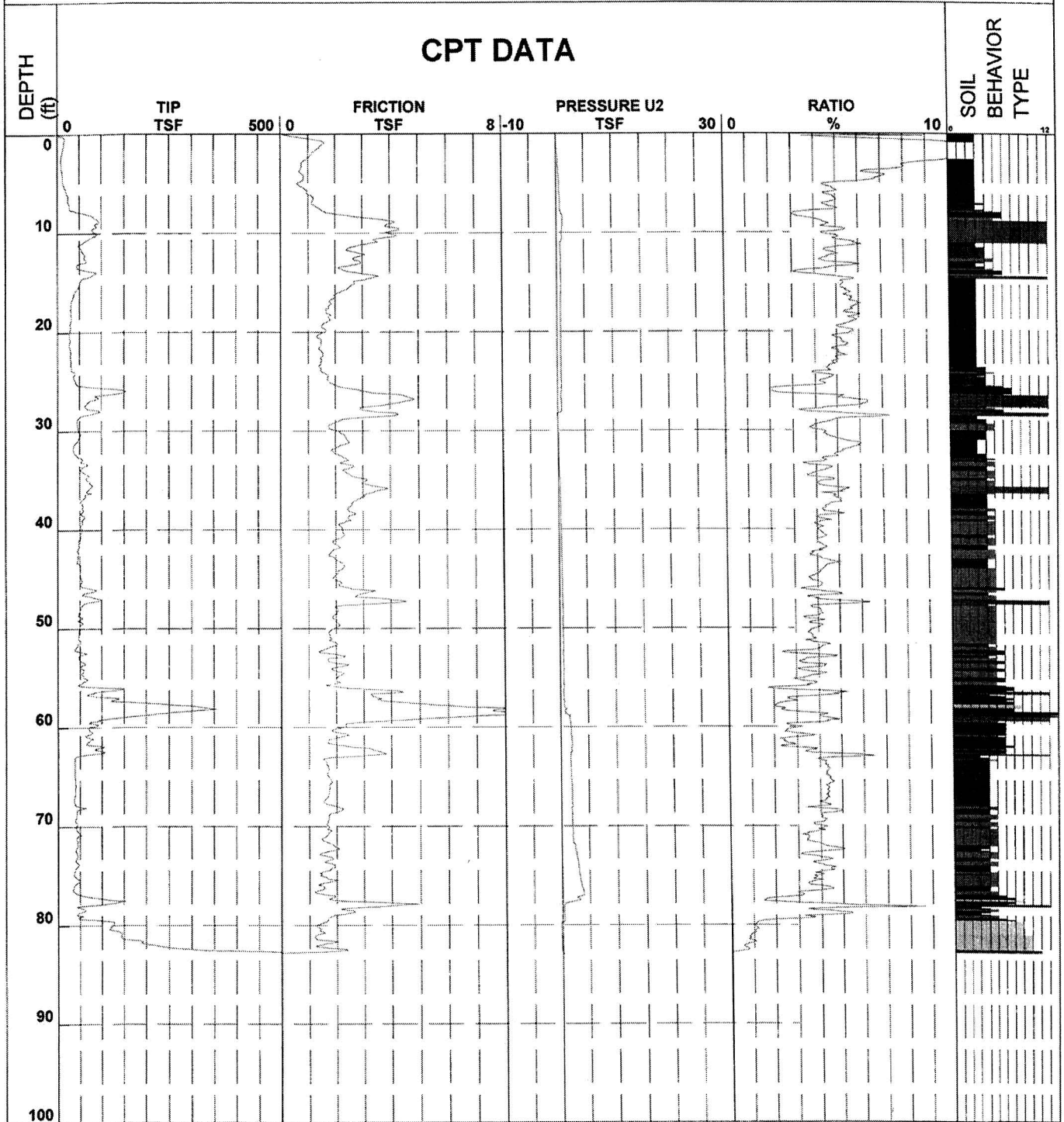


- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075      CPT Number C-2212      Location Exelon Victoria, TX  
 Operator Albert Fonseca      Date and Time 18-Nov-2007 11:16:15      Cone Number F7.5CKEW2/B 1832  
 Client MACTEC      Elevation 80.44      Water Table ND  
 Coord. North 13413123.28      Coord. East 2600827.18      Check: *[Signature]* Verify *[Signature]*



- 1 - sensitive fine grained      ■ 4 - silty clay to clay      ■ 7 - silty sand to sandy silt      ■ 10 - gravelly sand to sand
- 2 - organic material      ■ 5 - clayey silt to silty clay      ■ 8 - sand to silty sand      ■ 11 - very stiff fine grained (\*)
- 3 - clay      ■ 6 - sandy silt to clayey silt      ■ 9 - sand      ■ 12 - sand to clayey sand (\*)



# CPT Data

Job Number 1907-0075

CPT Number C-2213

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 27-Nov-2007 13:00:24

Cone Number F7.5CKEW2/B 1832

Client MACTEC

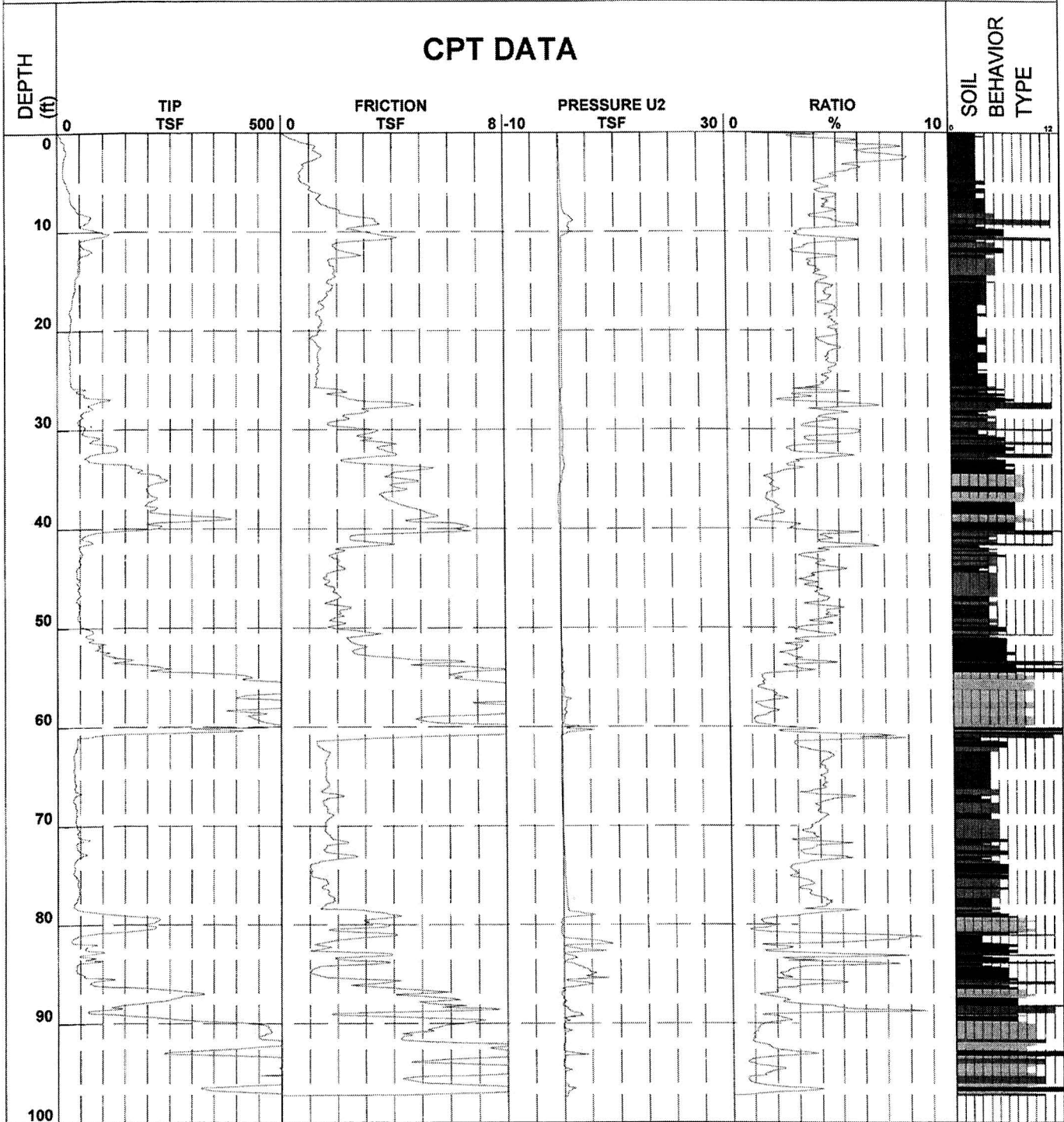
Elevation 80.46

Water Table ND

Coord. North 13413017.49

Coord. East 2600874.63

Check: DS Verif

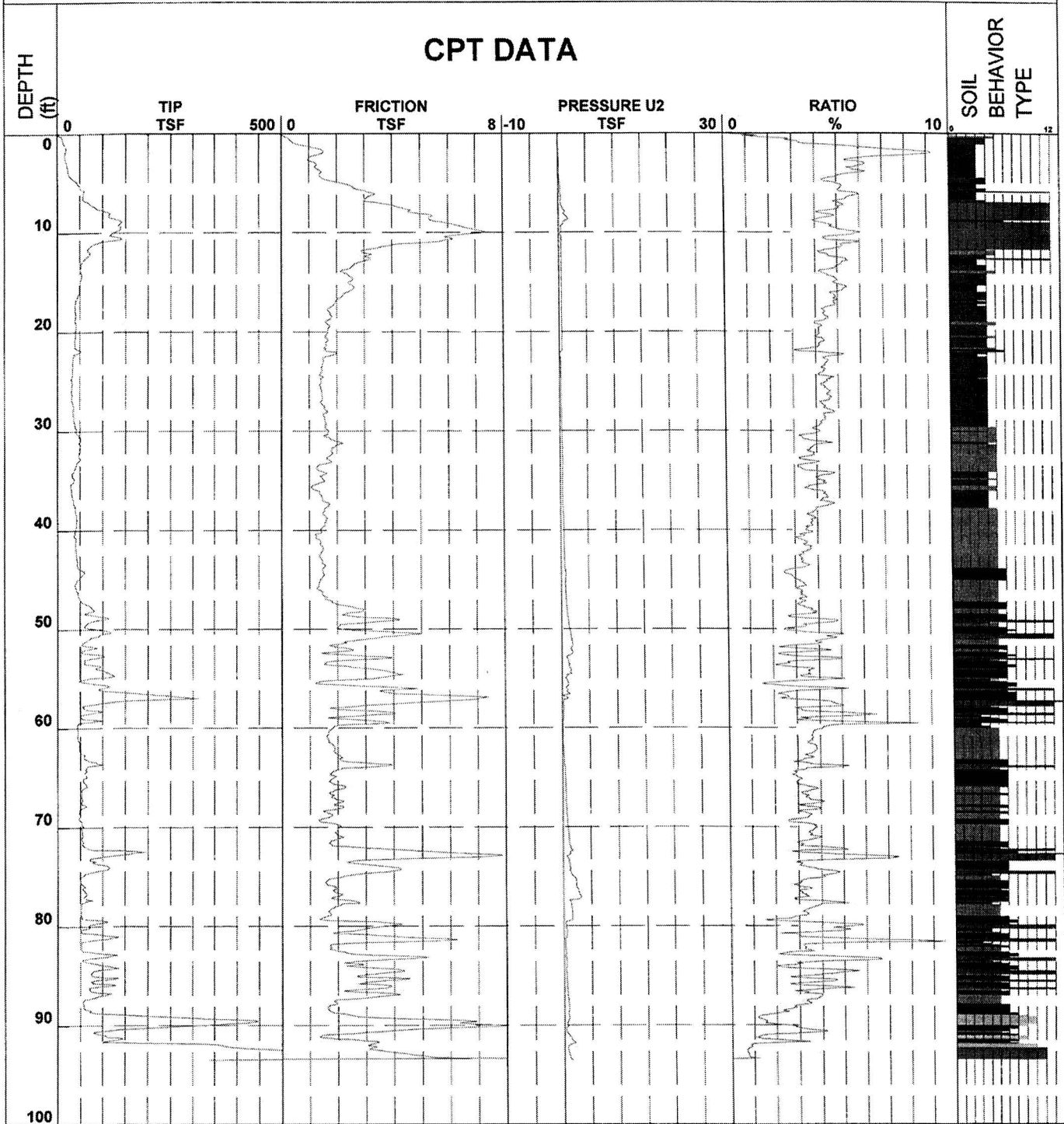


- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075      CPT Number C-2214      Location Exelon Victoria, TX  
 Operator Albert Fonseca      Date and Time 29-Nov-2007 07:45:41      Cone Number F7.5CKEW2/B 1832  
 Client MACTEC      Elevation 79.86      Water Table ND  
 Coord. North 13412587.86      Coord. East 2600280.45      Check: *Verify*



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075

CPT Number C-2215

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 28-Nov-2007 16:19:02

Cone Number F7.5CKEW2/B 1832

Client MACTEC

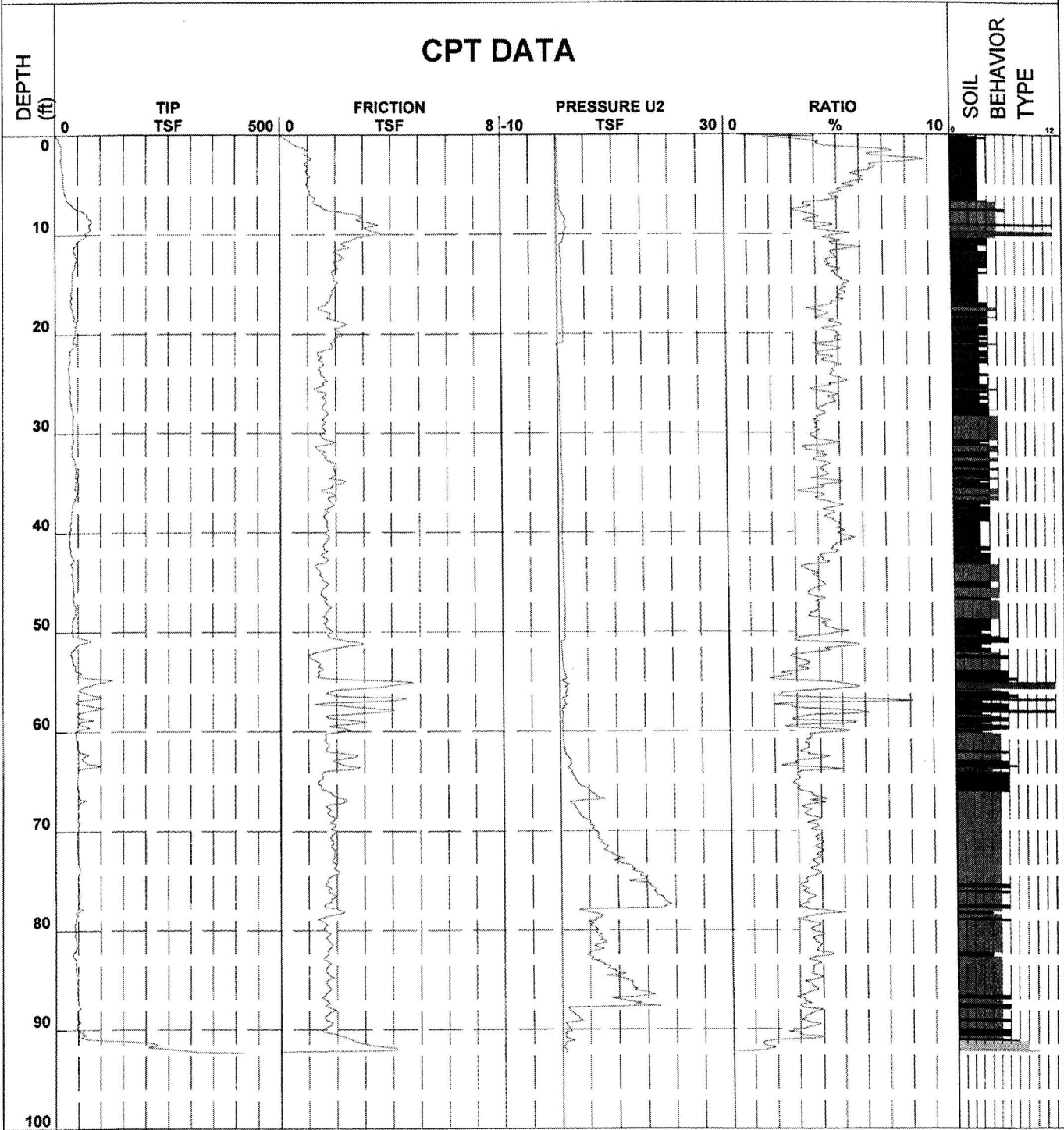
Elevation 79.83

Water Table ND

Coord. North 13412539.13

Coord. East 2600425.19

Check: *Verify*



- |                              |                                 |                                |                                    |
|------------------------------|---------------------------------|--------------------------------|------------------------------------|
| ■ 1 - sensitive fine grained | ■ 4 - silty clay to clay        | ■ 7 - silty sand to sandy silt | ■ 10 - gravelly sand to sand       |
| ■ 2 - organic material       | ■ 5 - clayey silt to silty clay | ■ 8 - sand to silty sand       | ■ 11 - very stiff fine grained (*) |
| ■ 3 - clay                   | ■ 6 - sandy silt to clayey silt | ■ 9 - sand                     | ■ 12 - sand to clayey sand (*)     |



# CPT Data

Job Number 1907-0075

CPT Number C-2216

Location Exelon Victoria, TX

Operator Albert Fonseca

Date and Time 04-Dec-2007 15:22:45

Cone Number F7.5CKEW2/B 1831

Client MACTEC

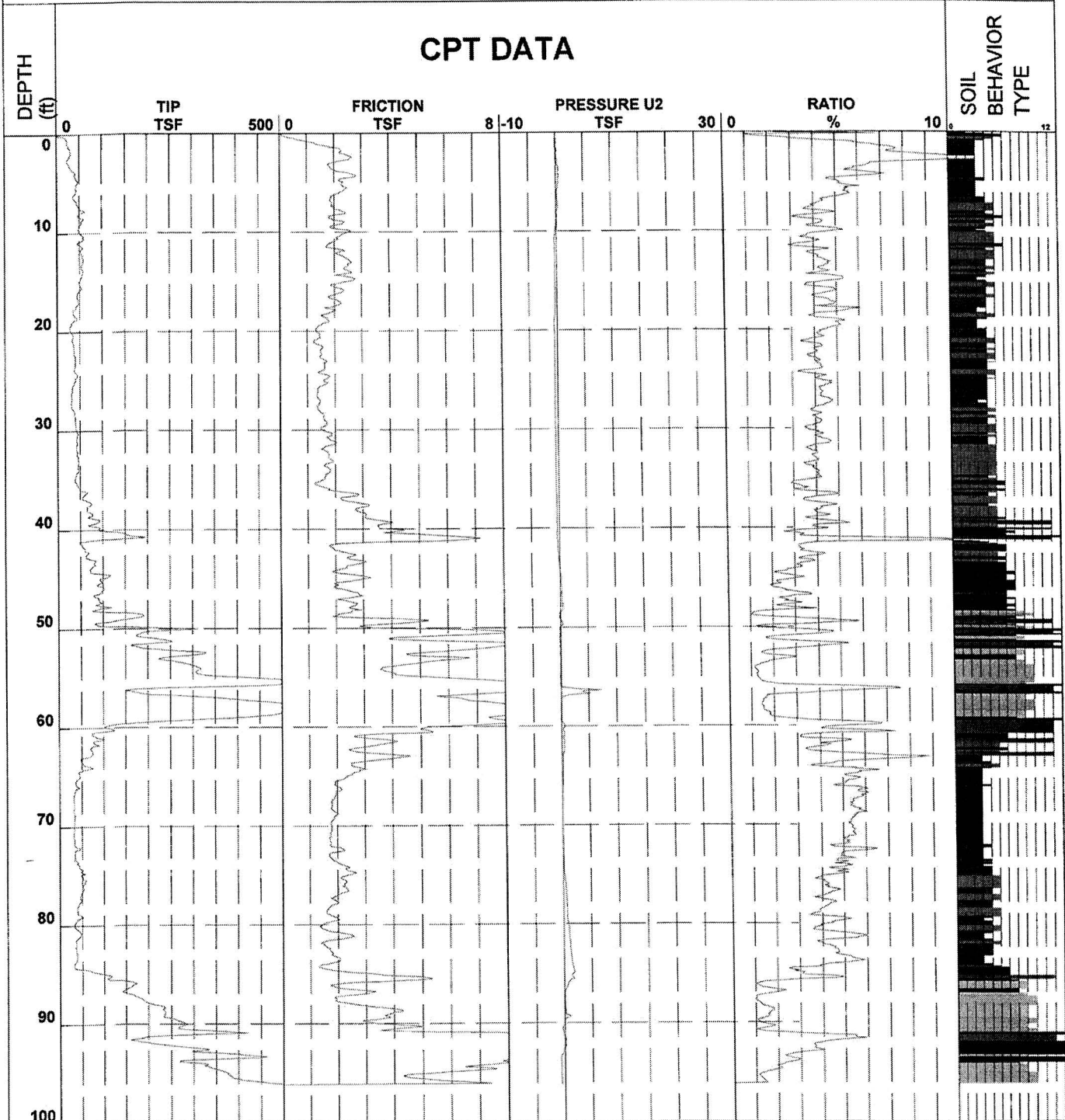
Elevation 80.54

Water Table ND

Coord. North 13414151.27

Coord. East 2600733.87

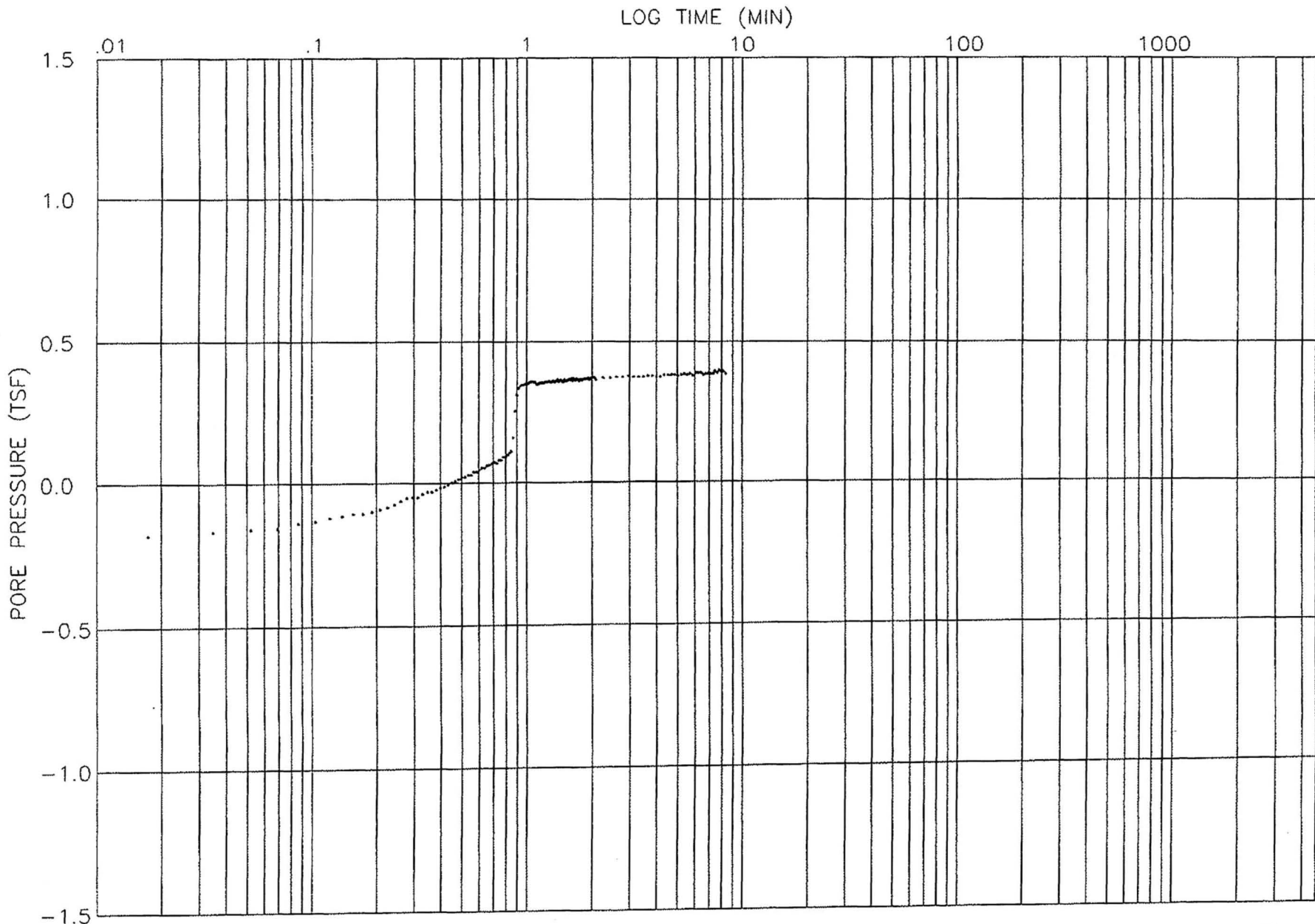
Check: *One* Verify: *ghe*



SOIL BEHAVIOR TYPE

- 1 - sensitive fine grained
- 4 - silty clay to clay
- 7 - silty sand to sandy silt
- 10 - gravelly sand to sand
- 2 - organic material
- 5 - clayey silt to silty clay
- 8 - sand to silty sand
- 11 - very stiff fine grained (\*)
- 3 - clay
- 6 - sandy silt to clayey silt
- 9 - sand
- 12 - sand to clayey sand (\*)

# DISSIPATIONS



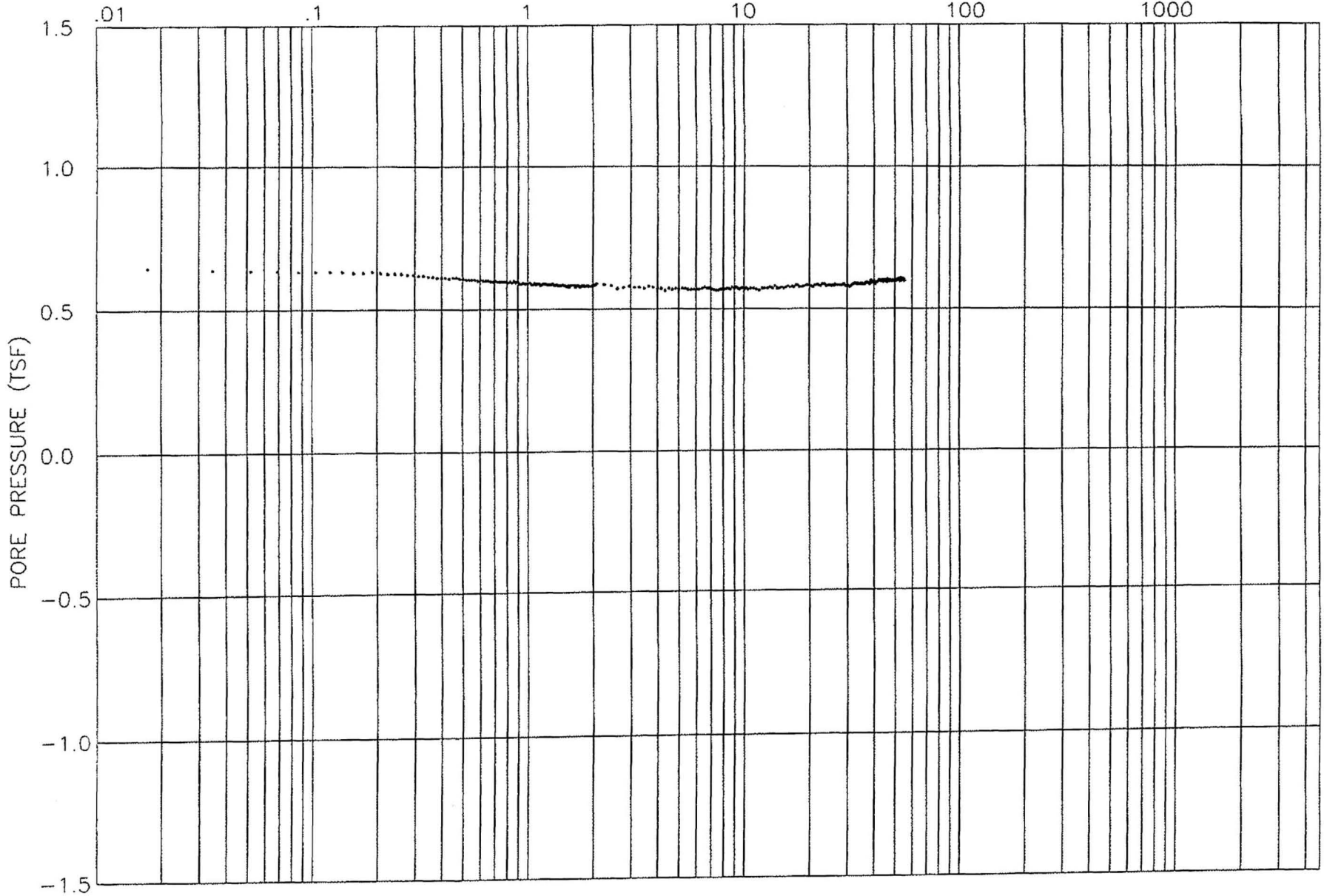
CPT NUMBER: C-2104S  
JOB NUMBER: 1907-0075

DISSIPATION TEST

DEPTH: 20.0 FEET  
DATE: 14-Nov-2007



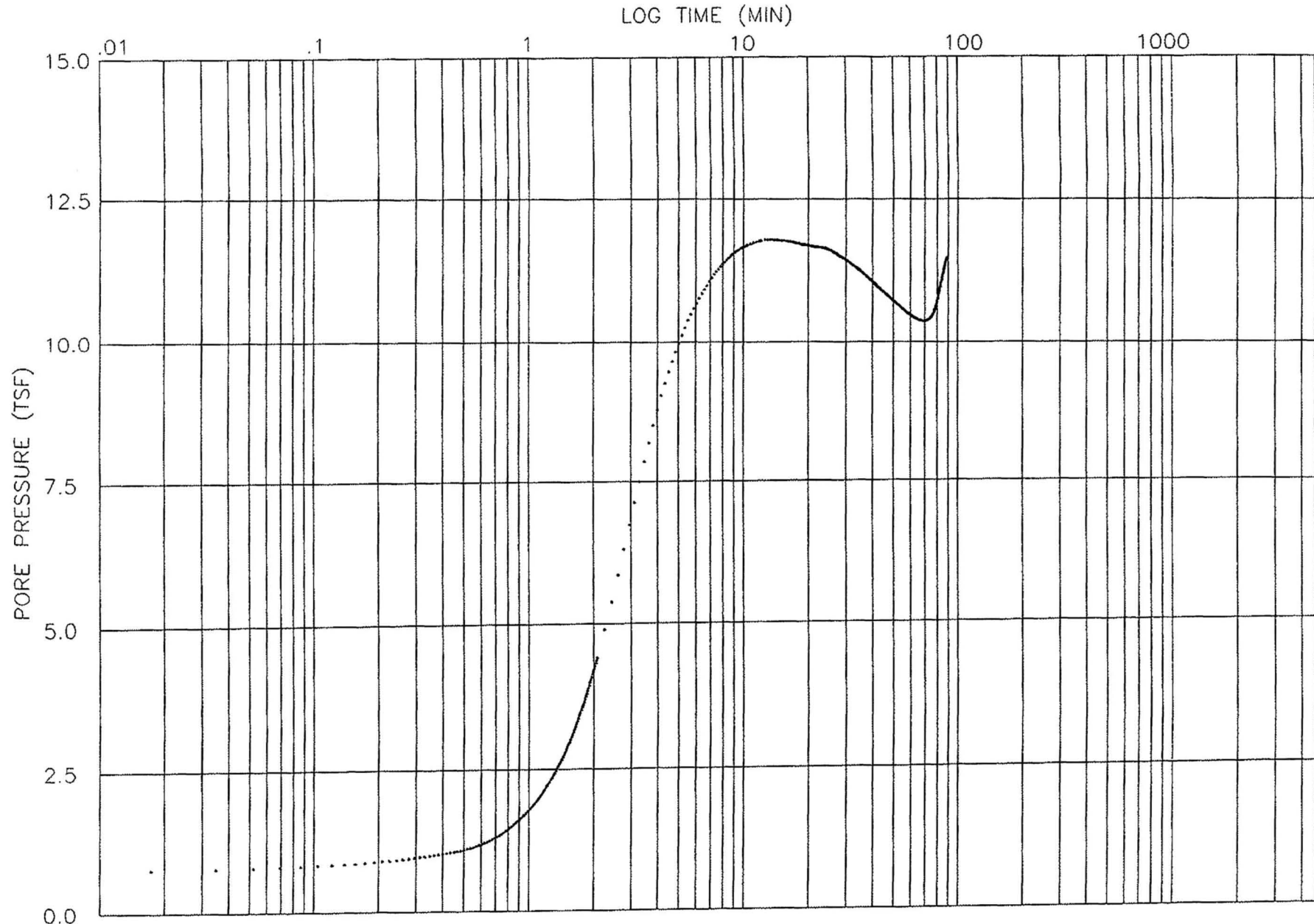
LOG TIME (MIN)



CPT NUMBER: C-2104S  
JOB NUMBER: 1907-0075

DISSIPATION TEST

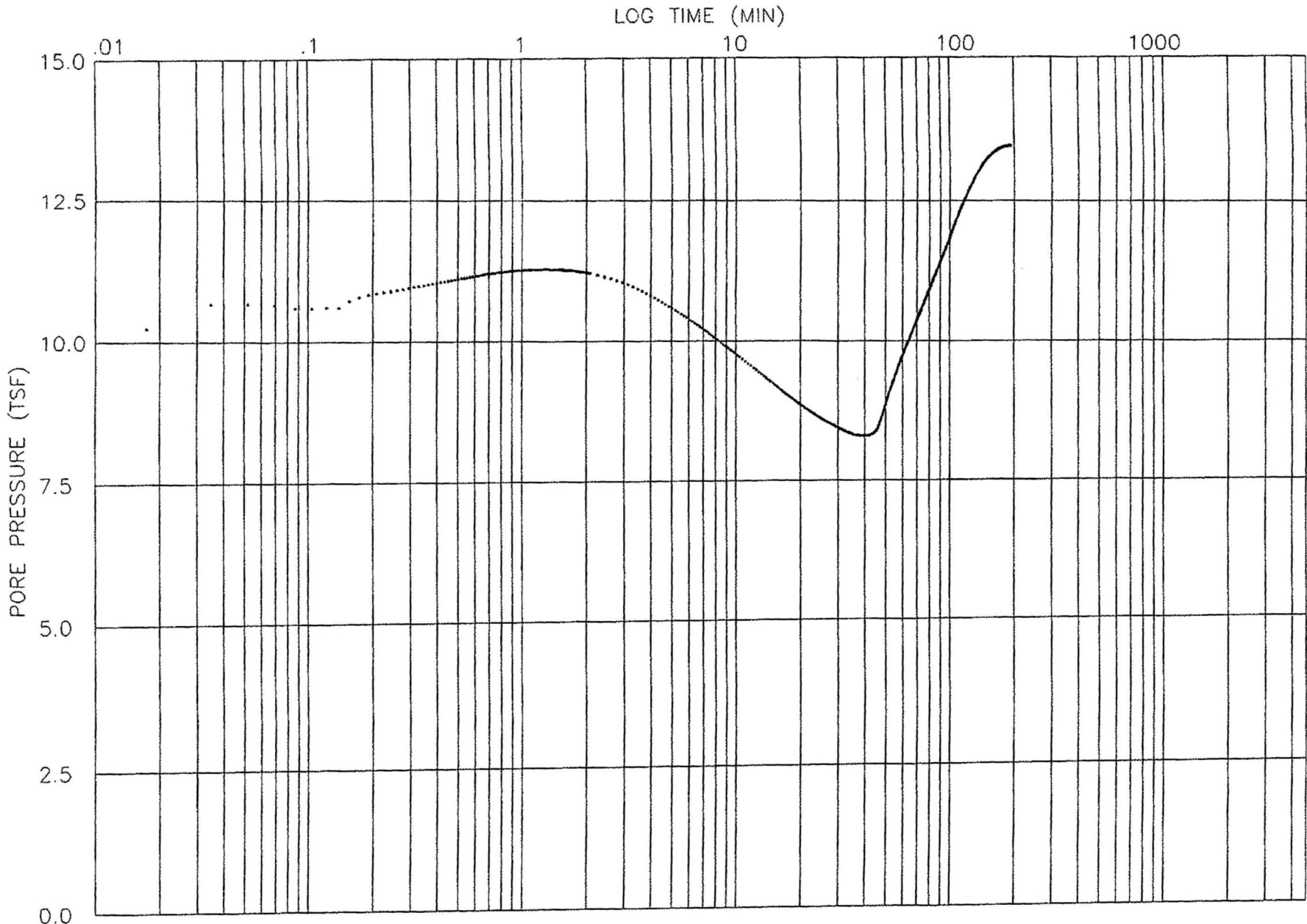
DEPTH: 35.2 FEET  
DATE: 14-Nov-2007



CPT NUMBER: C-2106  
JOB NUMBER: 1907-0075

DISSIPATION TEST

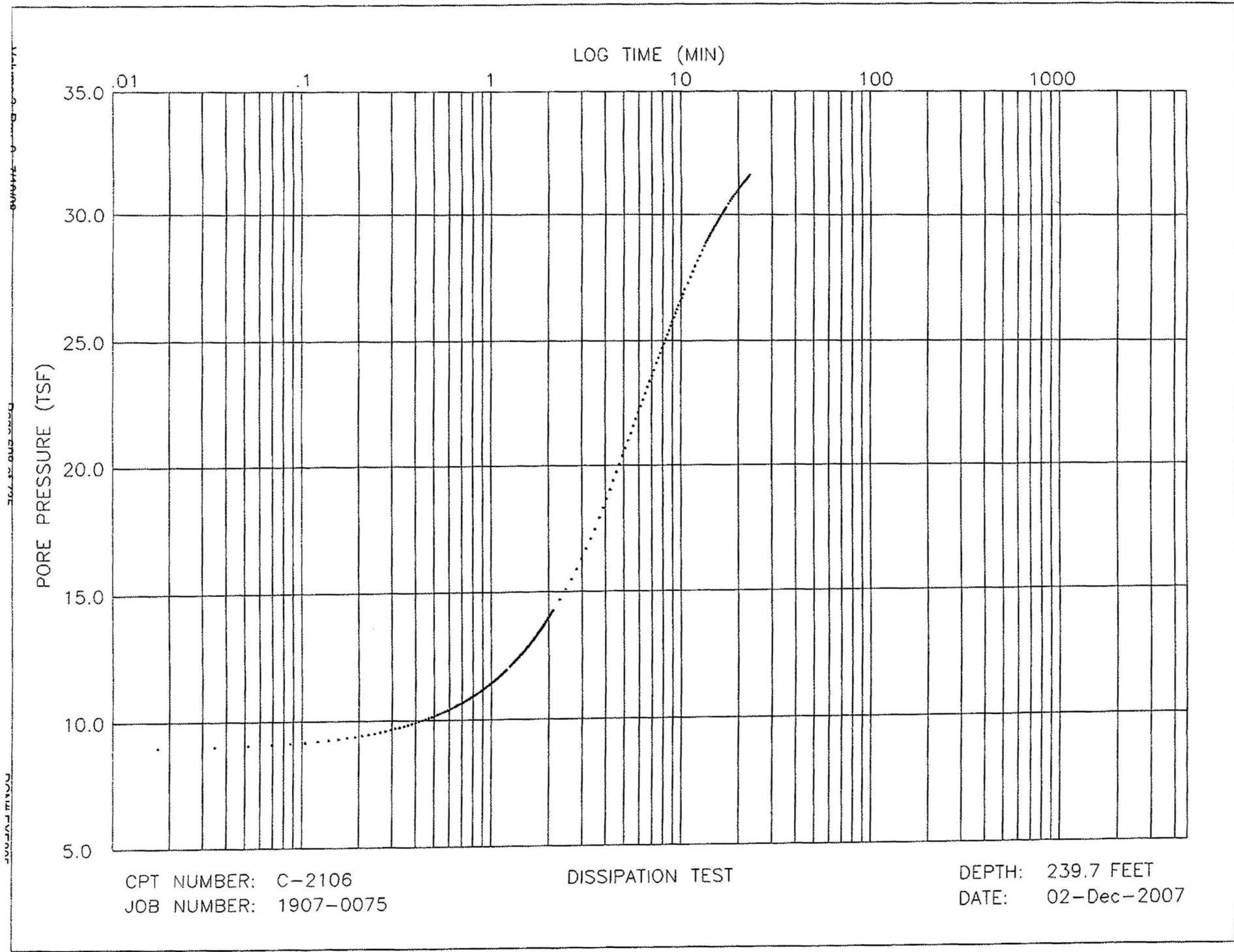
DEPTH: 75.3 FEET  
DATE: 02-Dec-2007



CPT NUMBER: C-2106  
JOB NUMBER: 1907-0075

DISSIPATION TEST

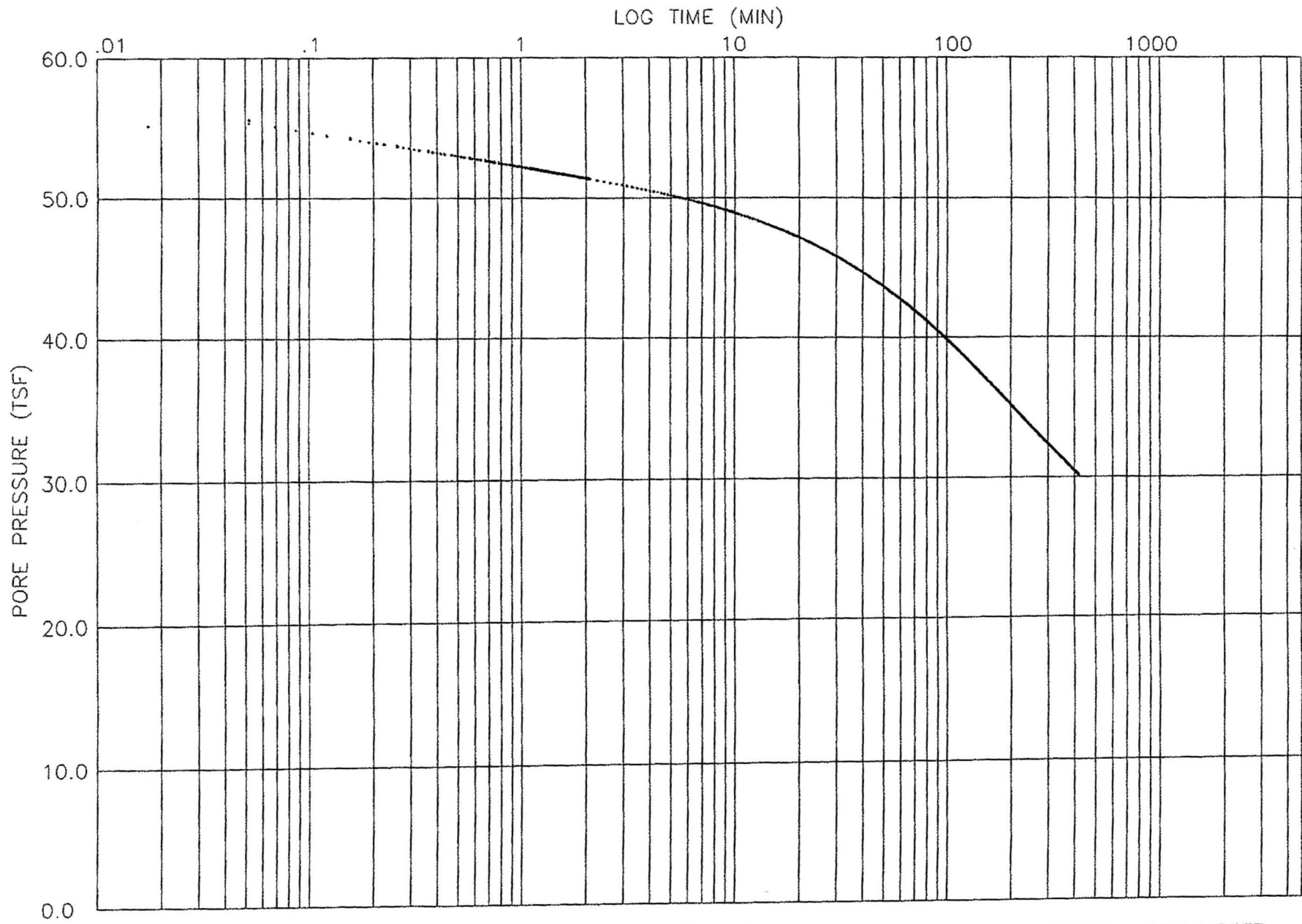
DEPTH: 116.2 FEET  
DATE: 02-Dec-2007



CPT NUMBER: C-2106  
JOB NUMBER: 1907-0075

DISSIPATION TEST

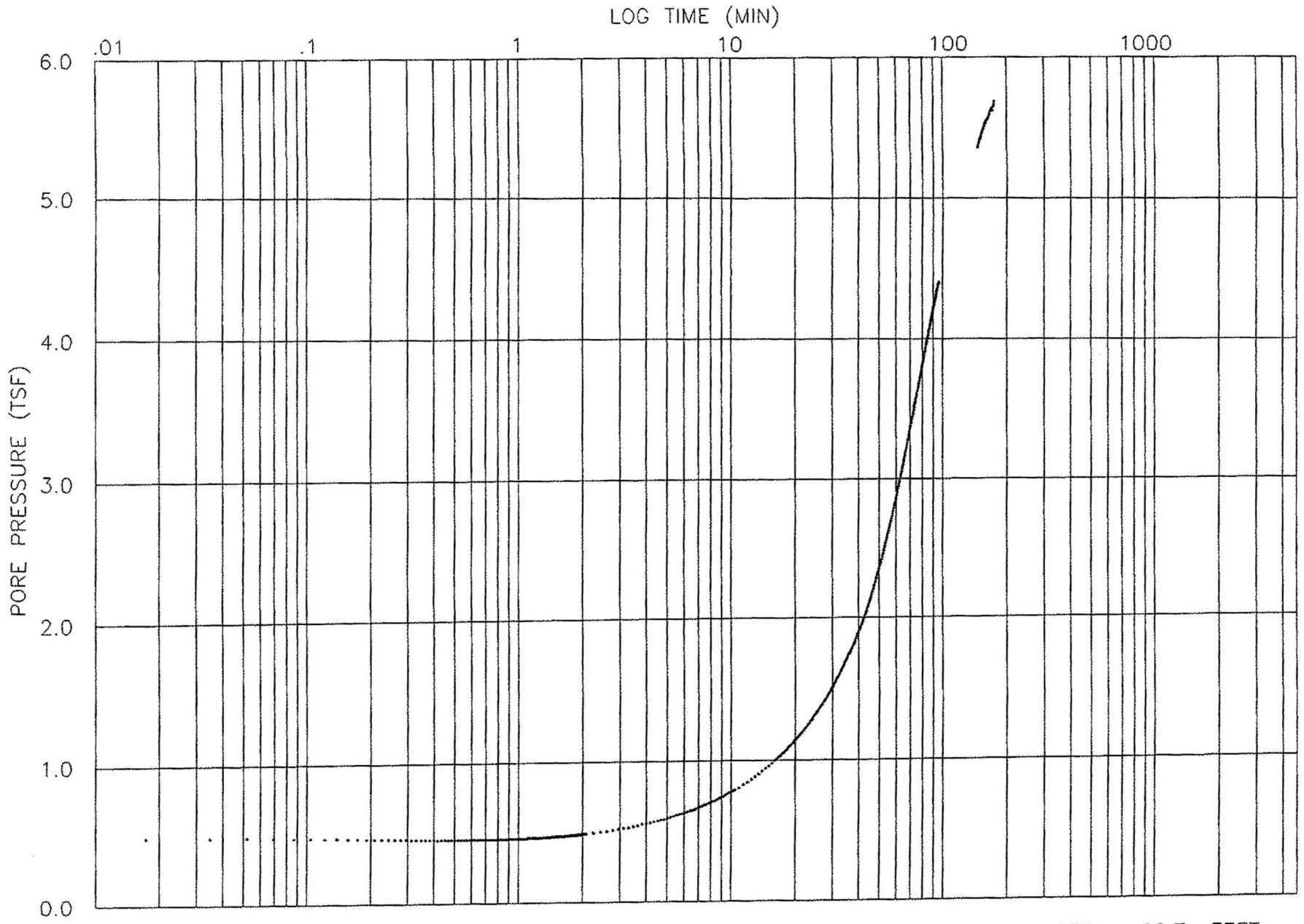
DEPTH: 239.7 FEET  
DATE: 02-Dec-2007



CPT NUMBER: C-2106  
JOB NUMBER: 1907-0075

DISSIPATION TEST

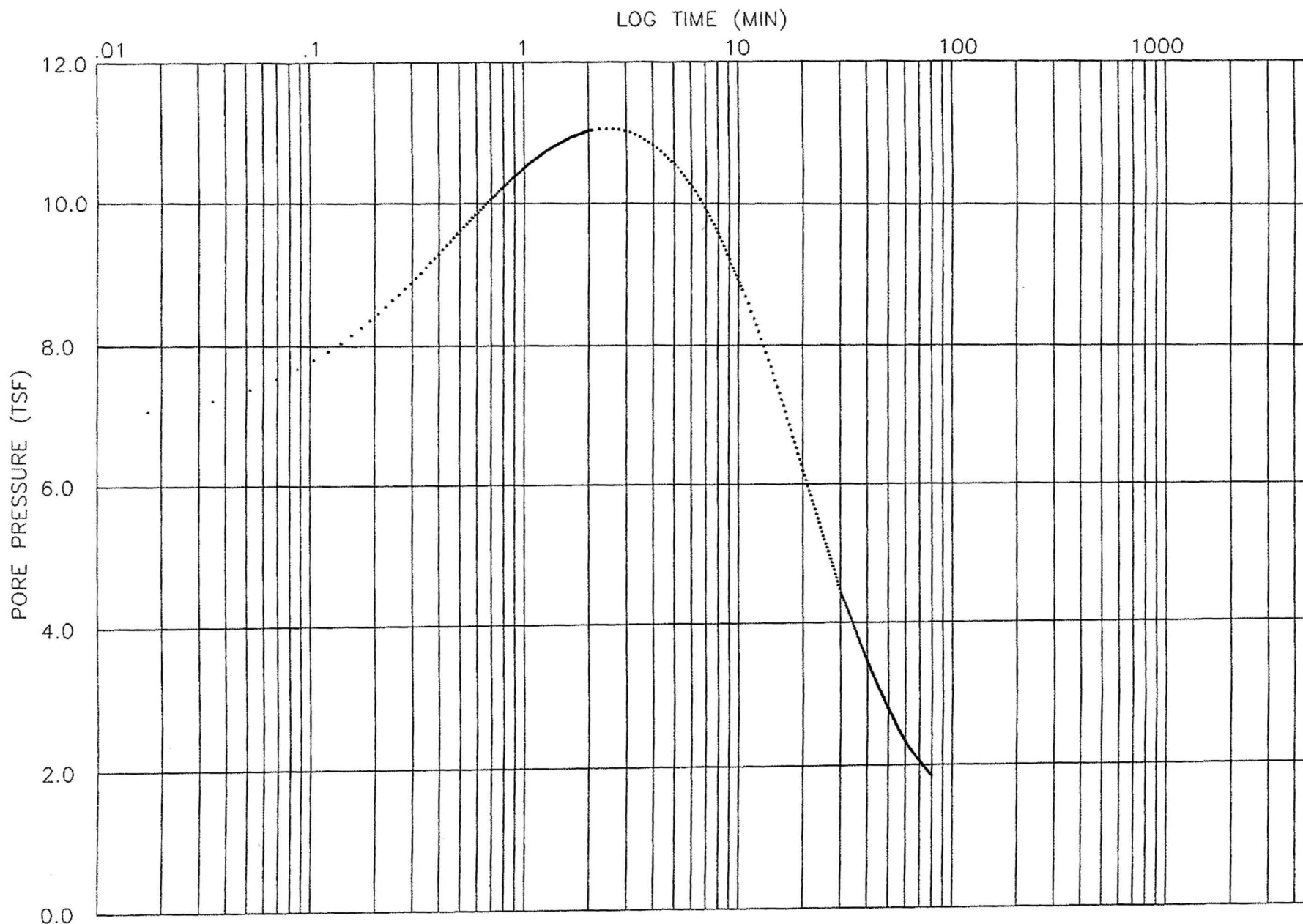
DEPTH: 296.4 FEET  
DATE: 02-Dec-2007



CPT NUMBER: C-2203  
JOB NUMBER: 1907-0075

DISSIPATION TEST

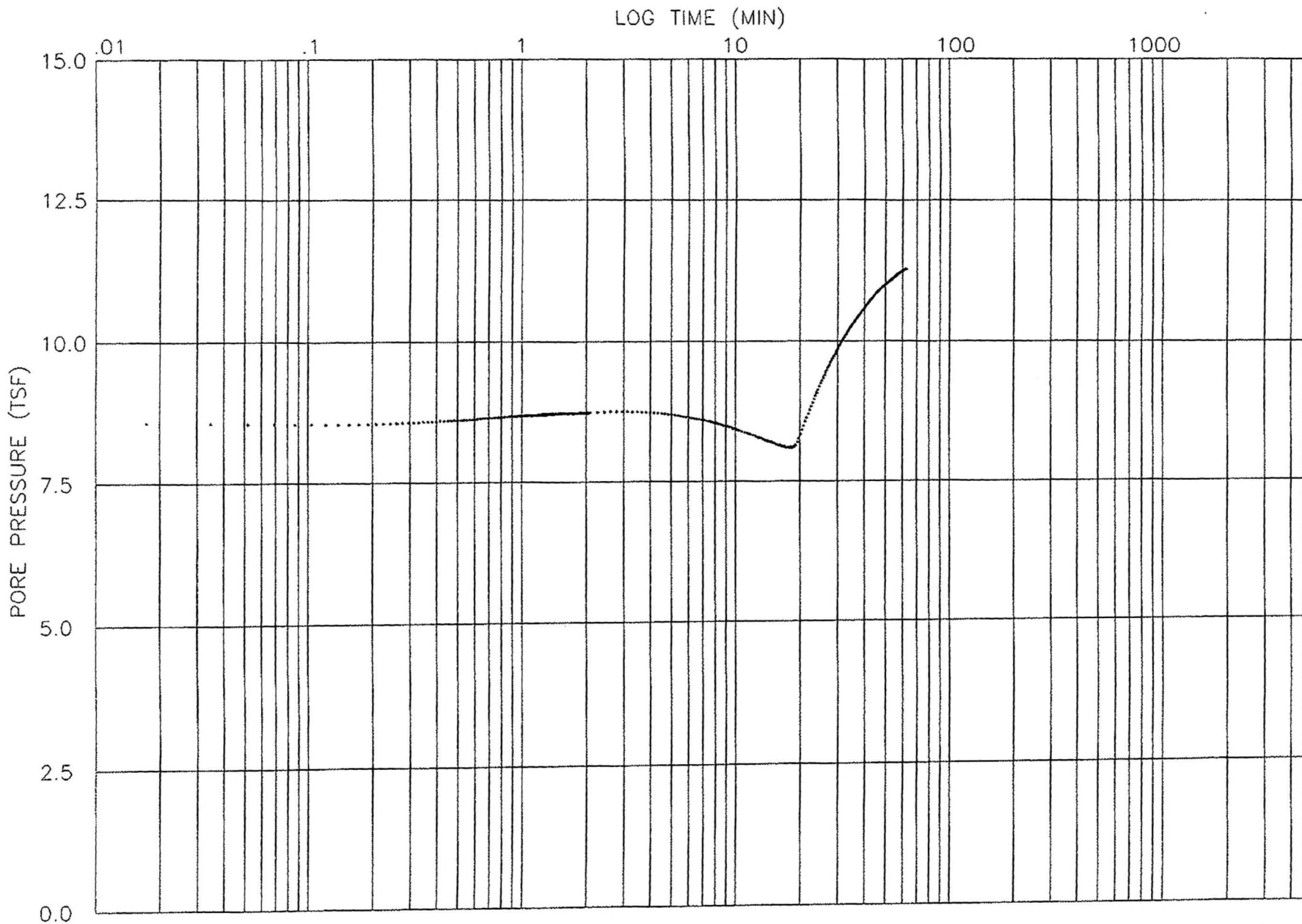
DEPTH: 60.7 FEET  
DATE: 28-Nov-2007



CPT NUMBER: C-2203  
JOB NUMBER: 1907-0075

DISSIPATION TEST

DEPTH: 77.1 FEET  
DATE: 28-Nov-2007

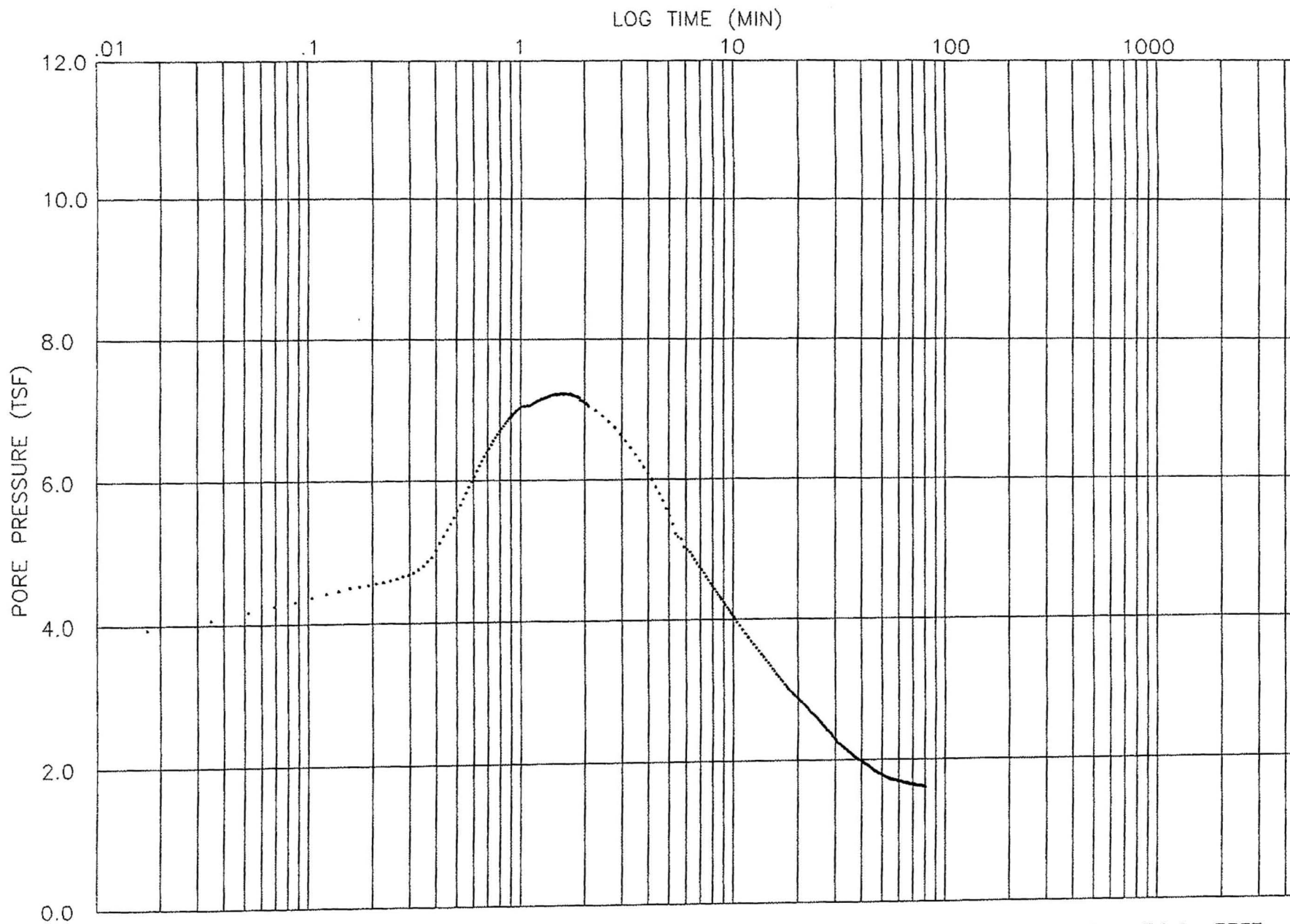


CPT NUMBER: C-2204sA  
JOB NUMBER: 1907-0075

DISSIPATION TEST

DEPTH: 60.0 FEET  
DATE: 17-Nov-2007

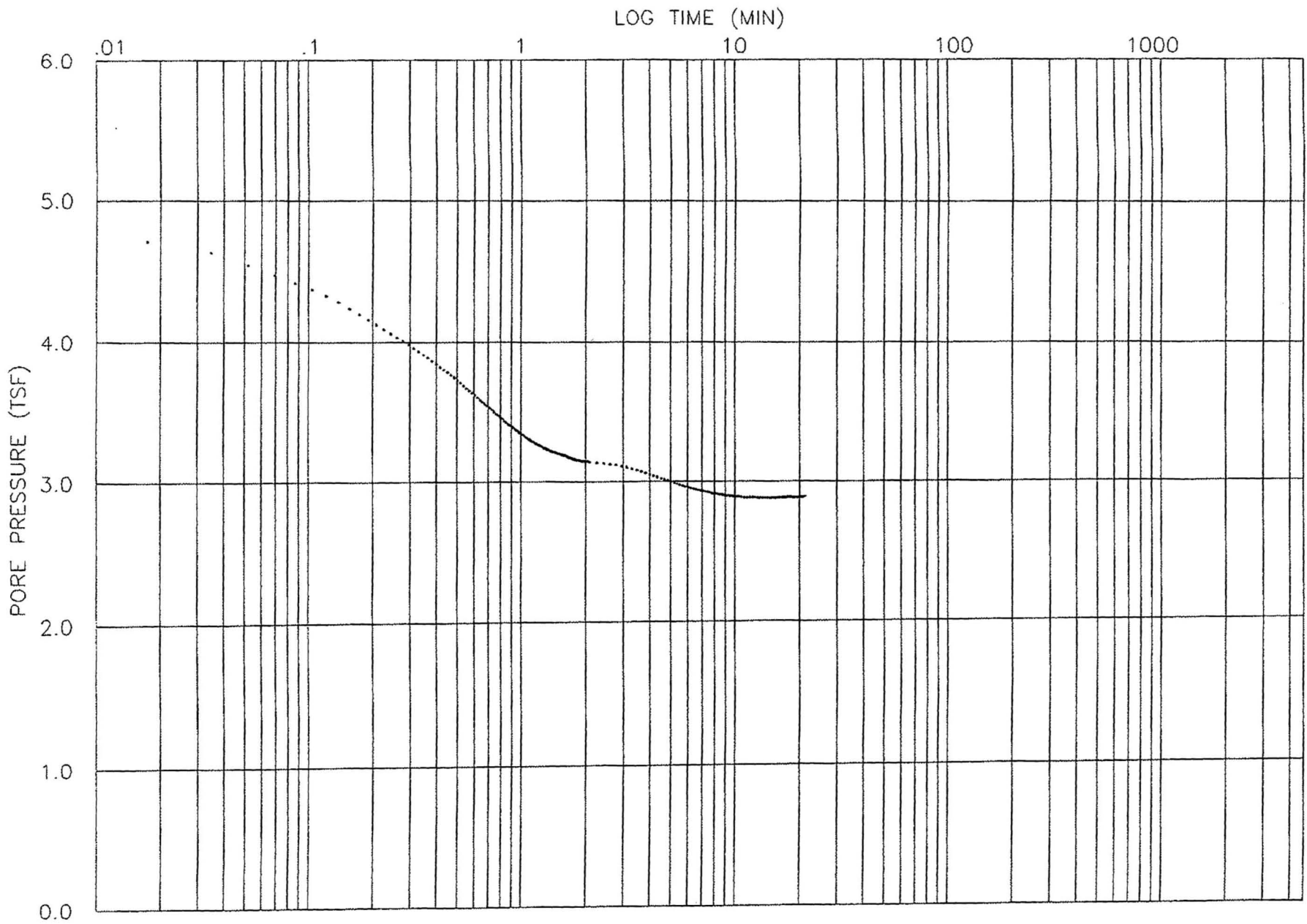




CPT NUMBER: C-2204sA  
JOB NUMBER: 1907-0075

DISSIPATION TEST

DEPTH: 76.9 FEET  
DATE: 17-Nov-2007

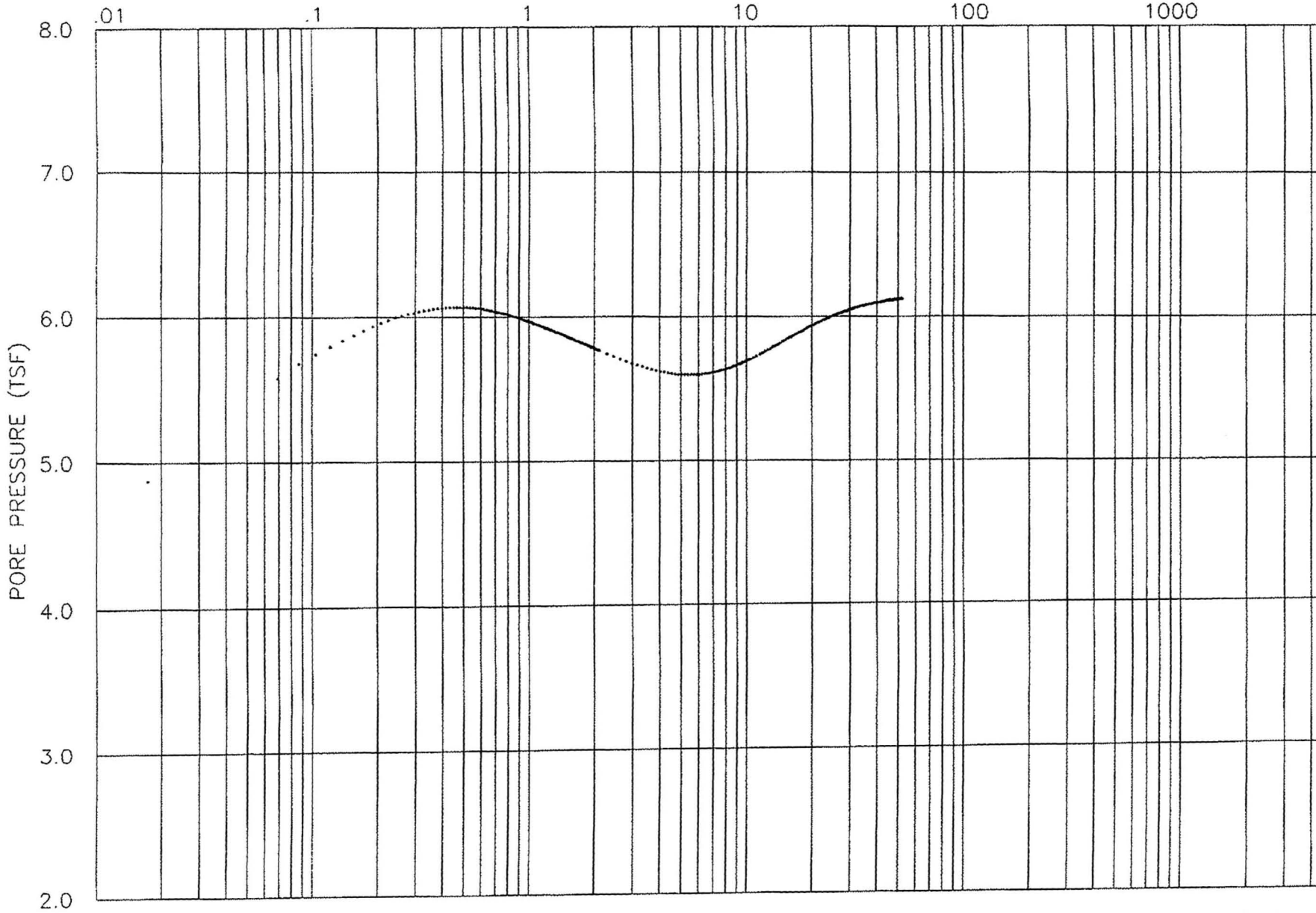


CPT NUMBER: C-2206  
JOB NUMBER: 1907-0075

DISSIPATION TEST

DEPTH: 75.3 FEET  
DATE: 12-Dec-2007

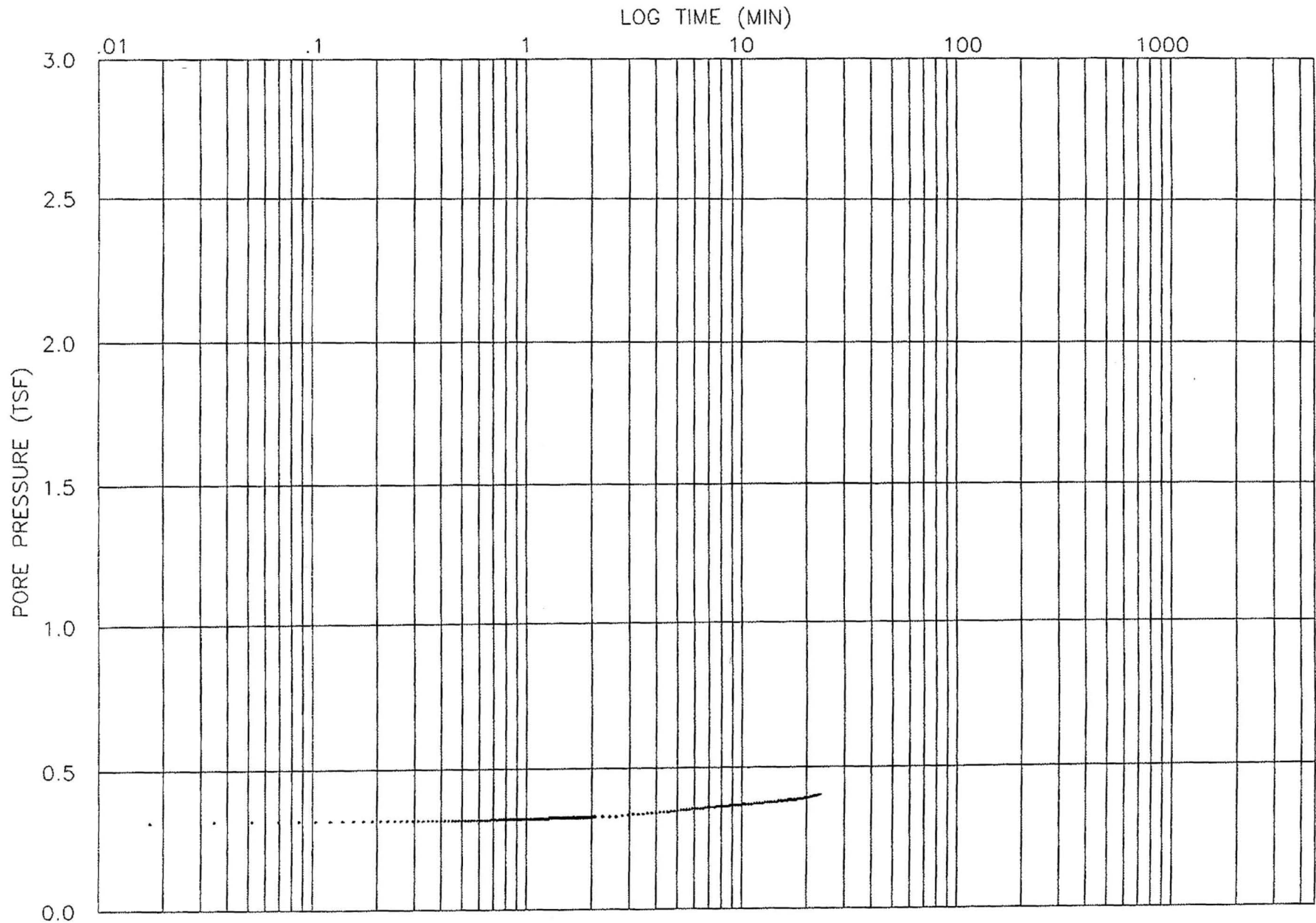
LOG TIME (MIN)



CPT NUMBER: C-2206  
JOB NUMBER: 1907-0075

DISSIPATION TEST

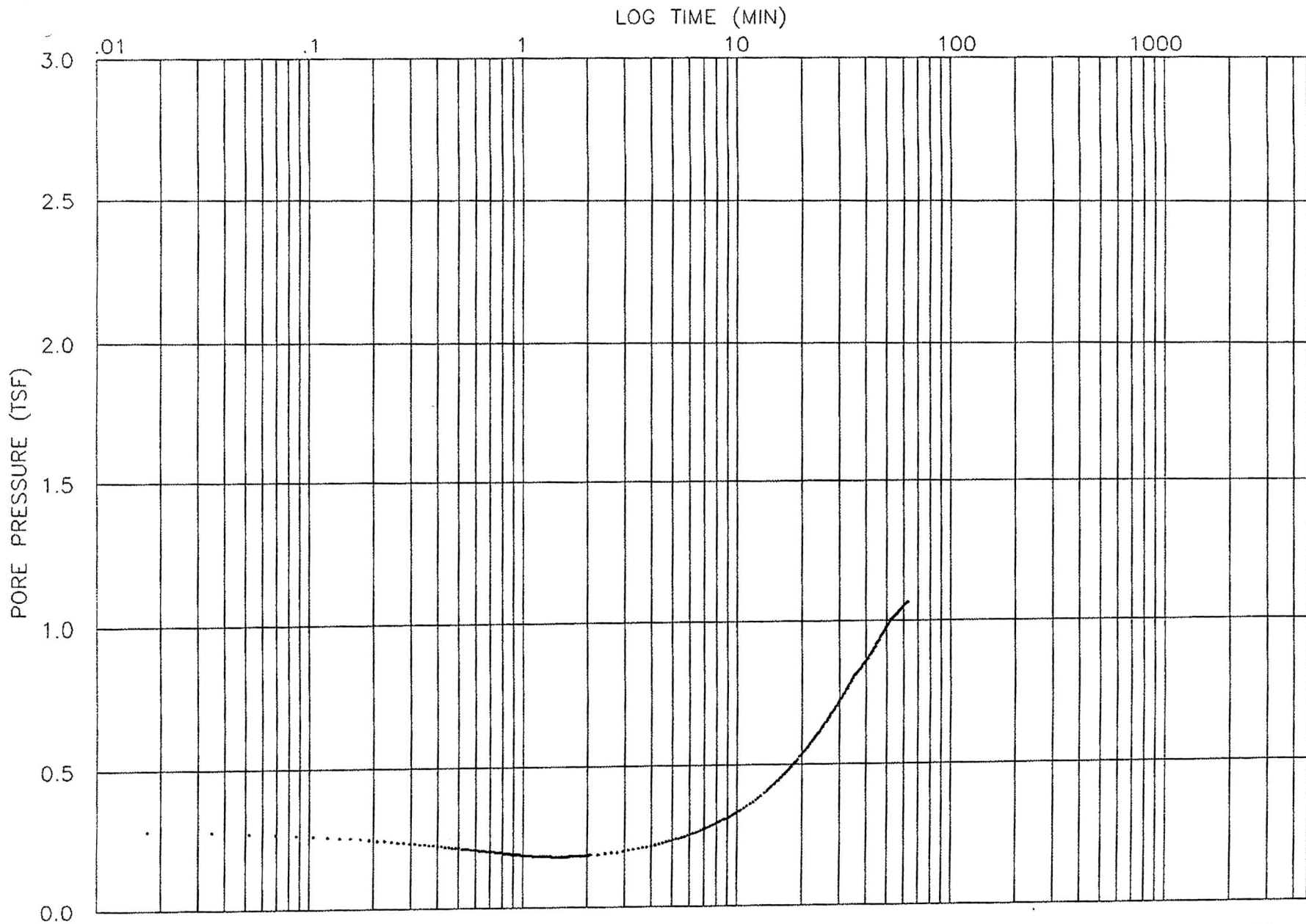
DEPTH: 247.2 FEET  
DATE: 12-Dec-2007



CPT NUMBER: C-2207  
JOB NUMBER: 1907-0075

DISSIPATION TEST

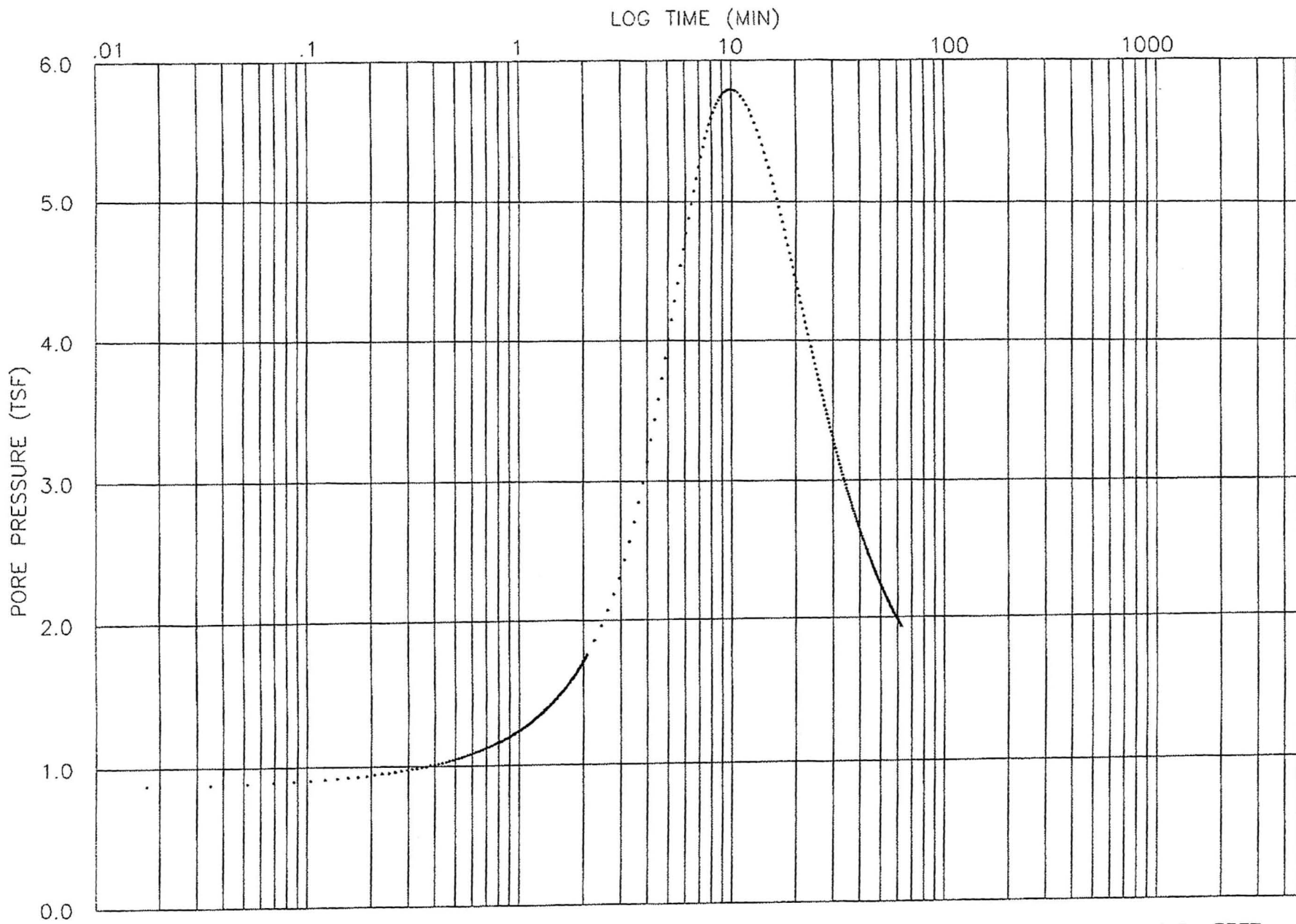
DEPTH: 68.9 FEET  
DATE: 27-Nov-2007



CPT NUMBER: C-2207  
JOB NUMBER: 1907-0075

DISSIPATION TEST

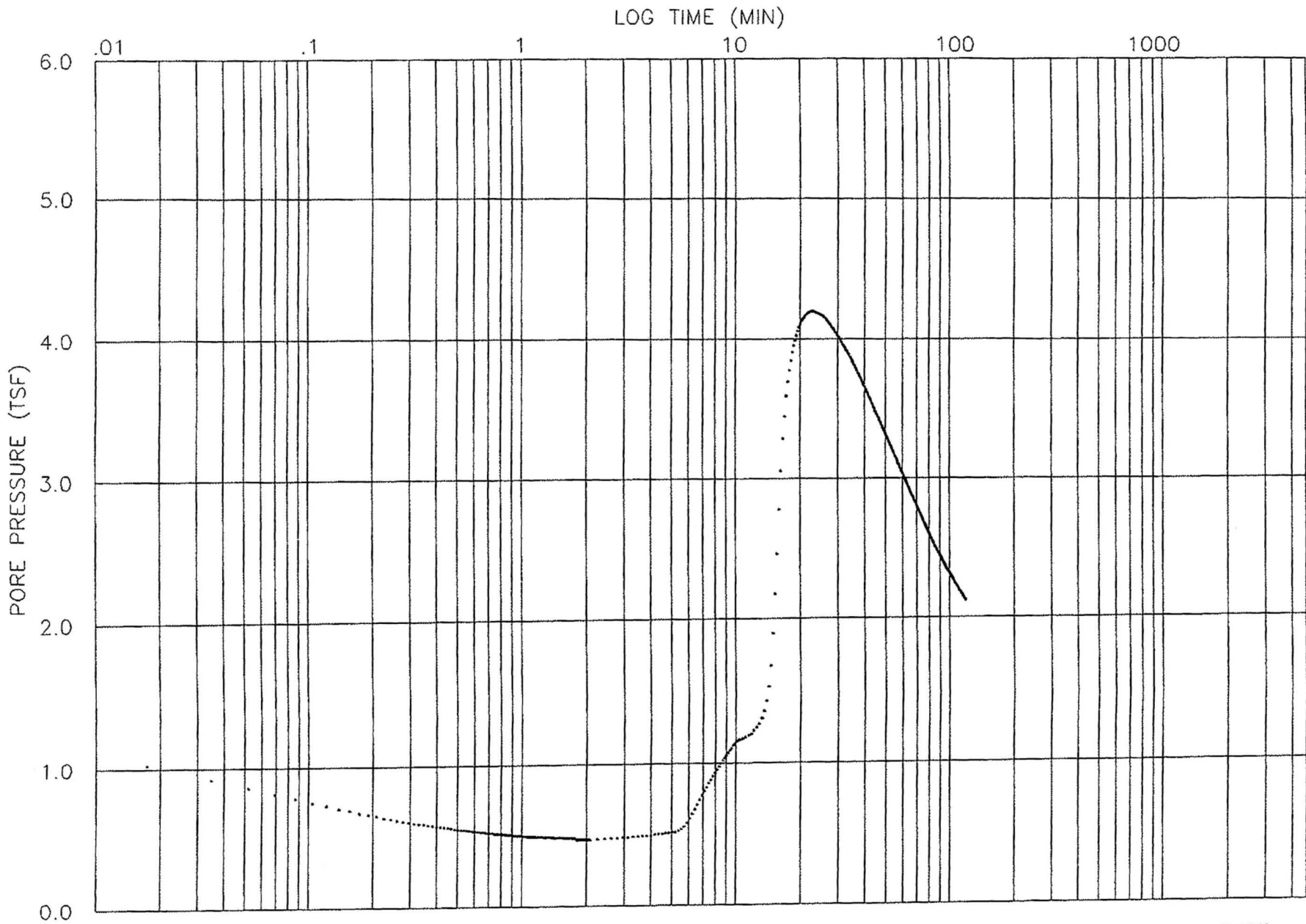
DEPTH: 84.4 FEET  
DATE: 27-Nov-2007



CPT NUMBER: C-2213  
JOB NUMBER: 1907-0075

DISSIPATION TEST

DEPTH: 78.5 FEET  
DATE: 27-Nov-2007



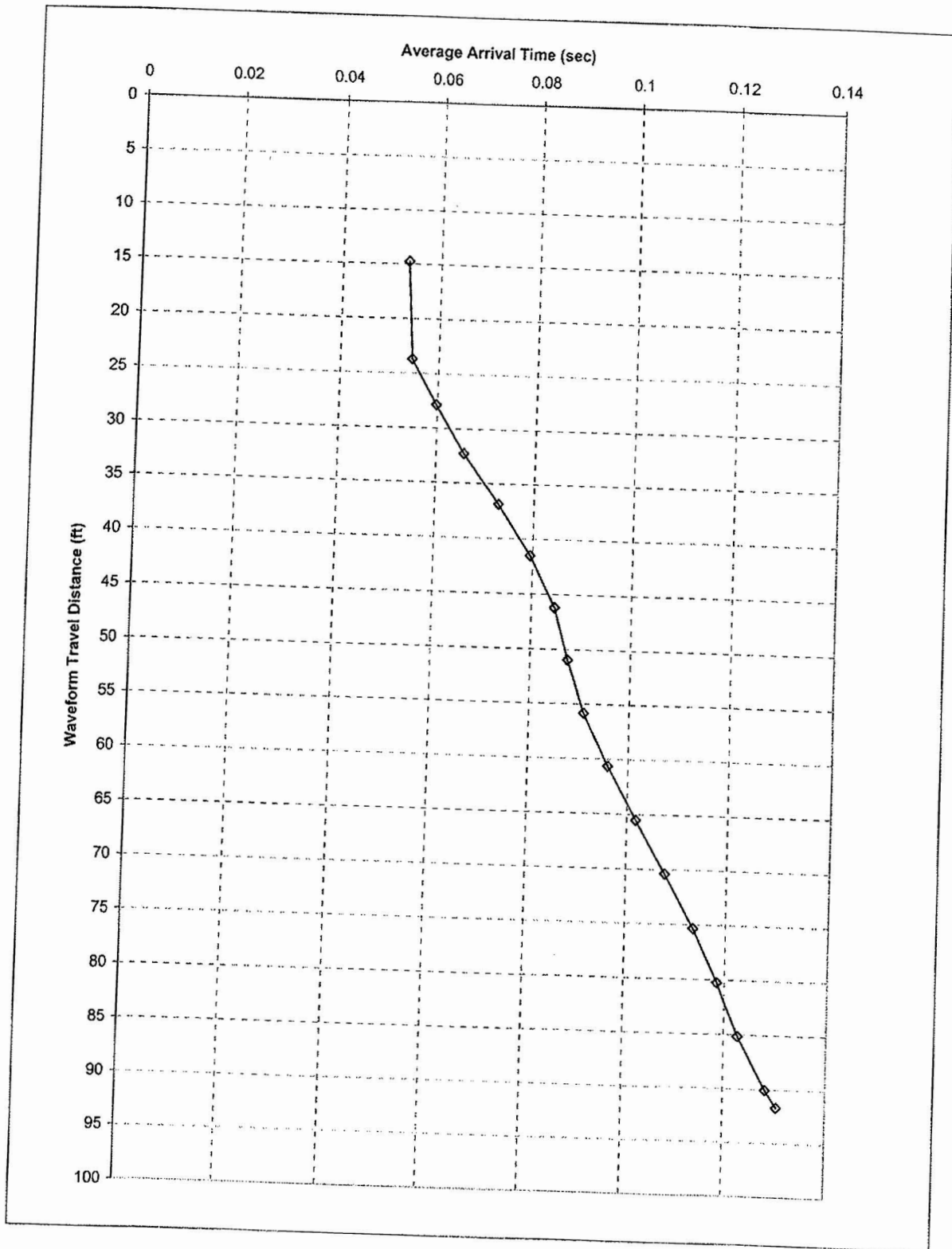
CPT NUMBER: C-2213  
JOB NUMBER: 1907-0075

DISSIPATION TEST

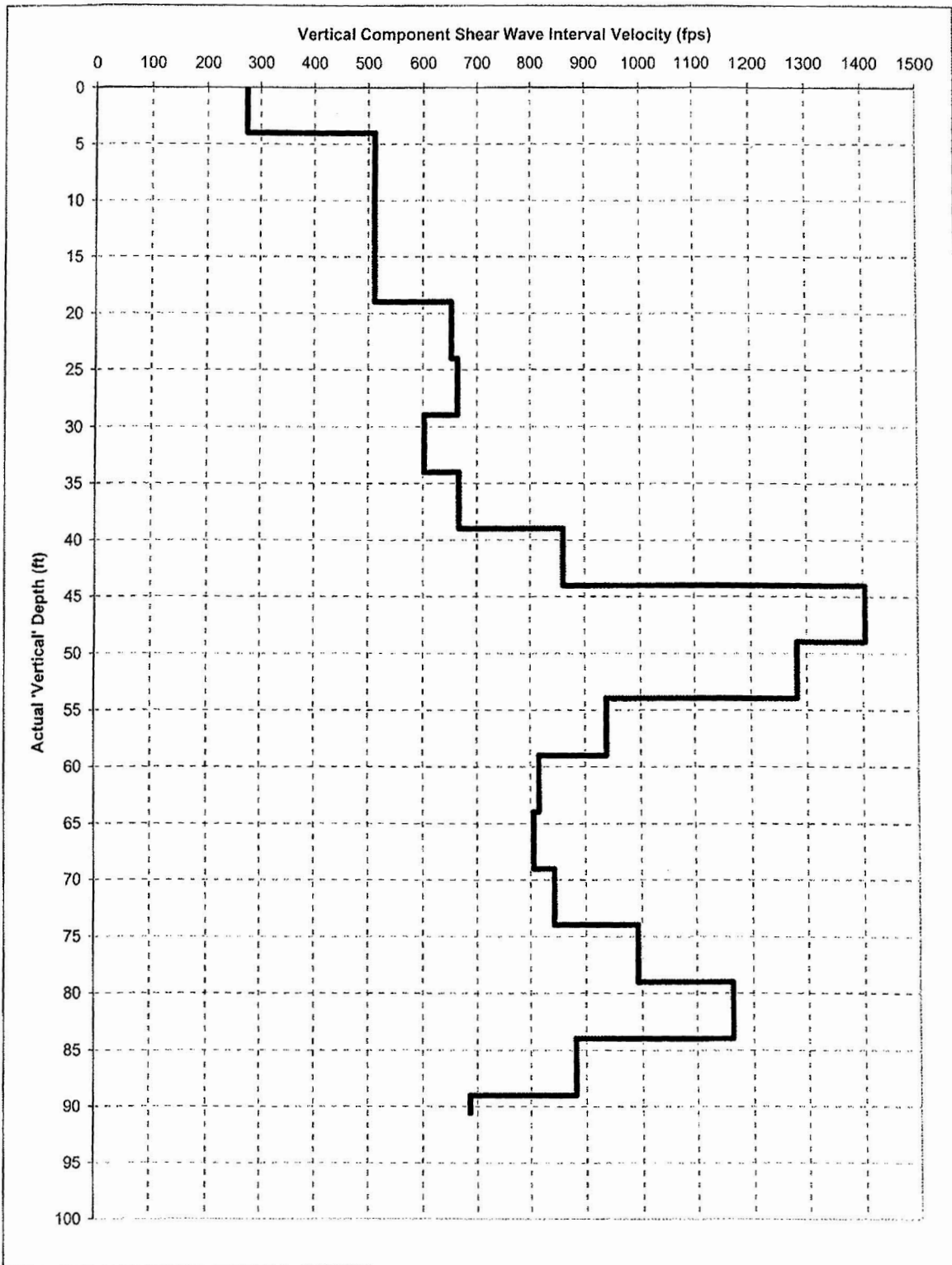
DEPTH: 83.5 FEET  
DATE: 27-Nov-2007

# SEISMIC DATA

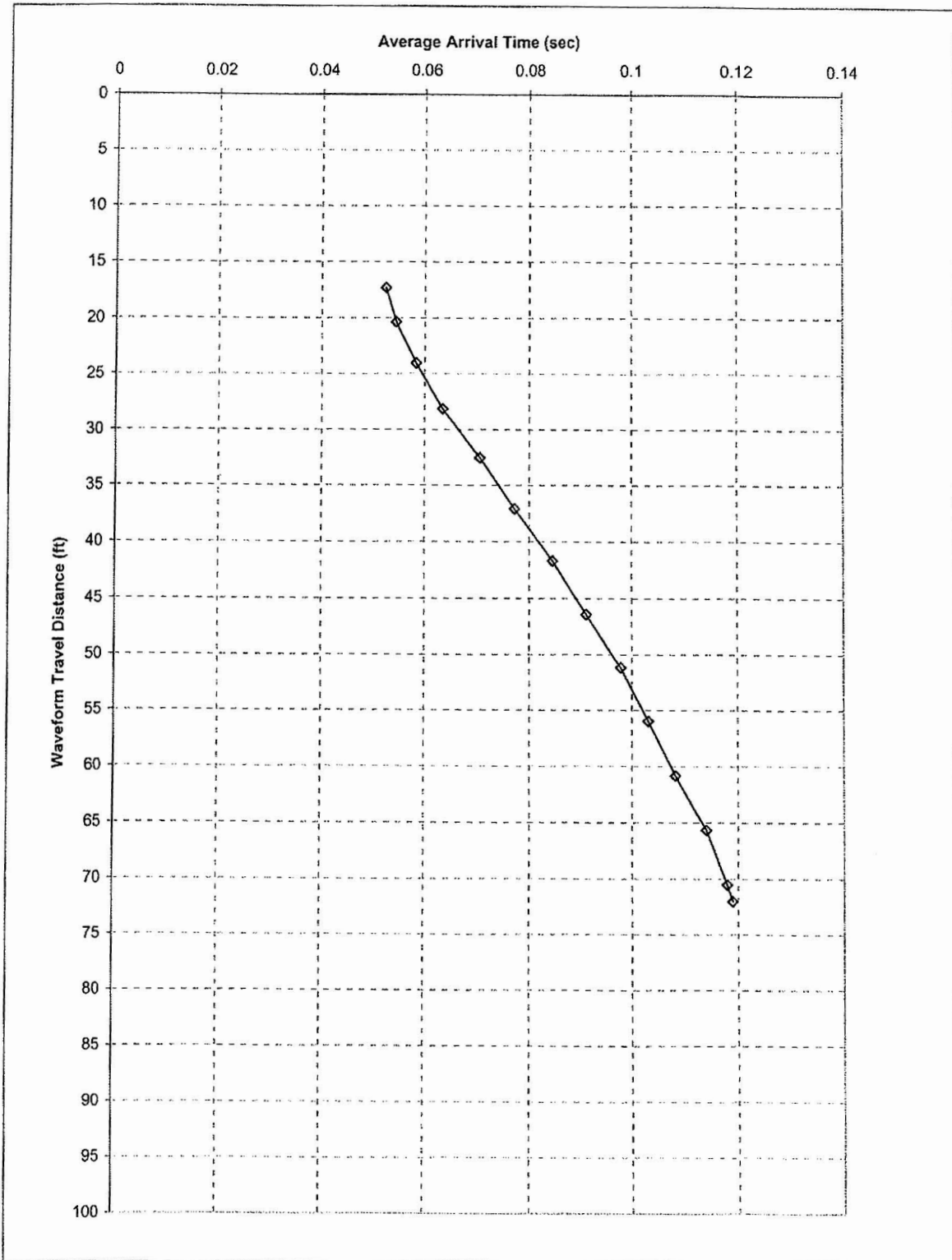




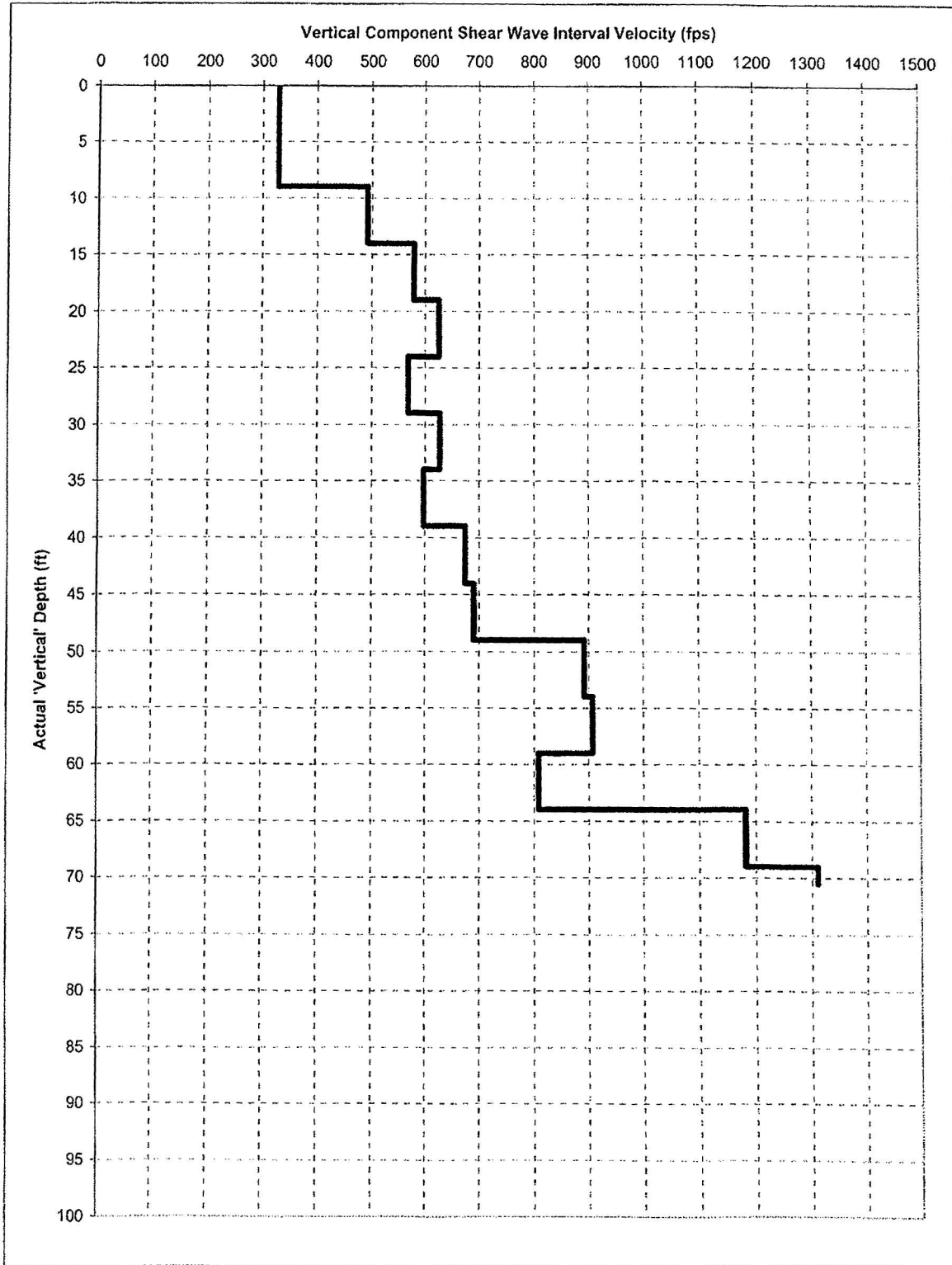
**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE  
C-2102s**



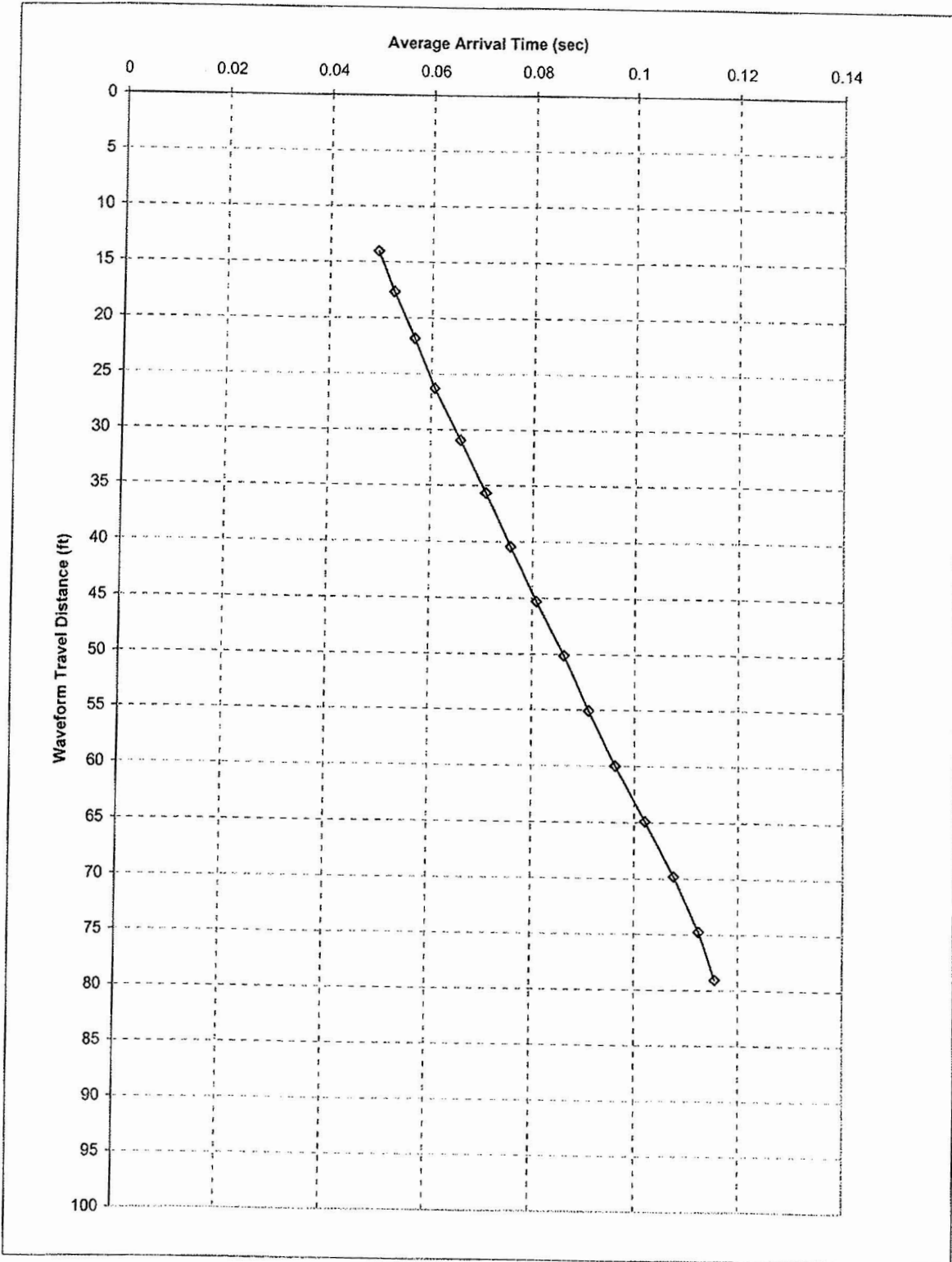
**SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH**  
**C-2102s**



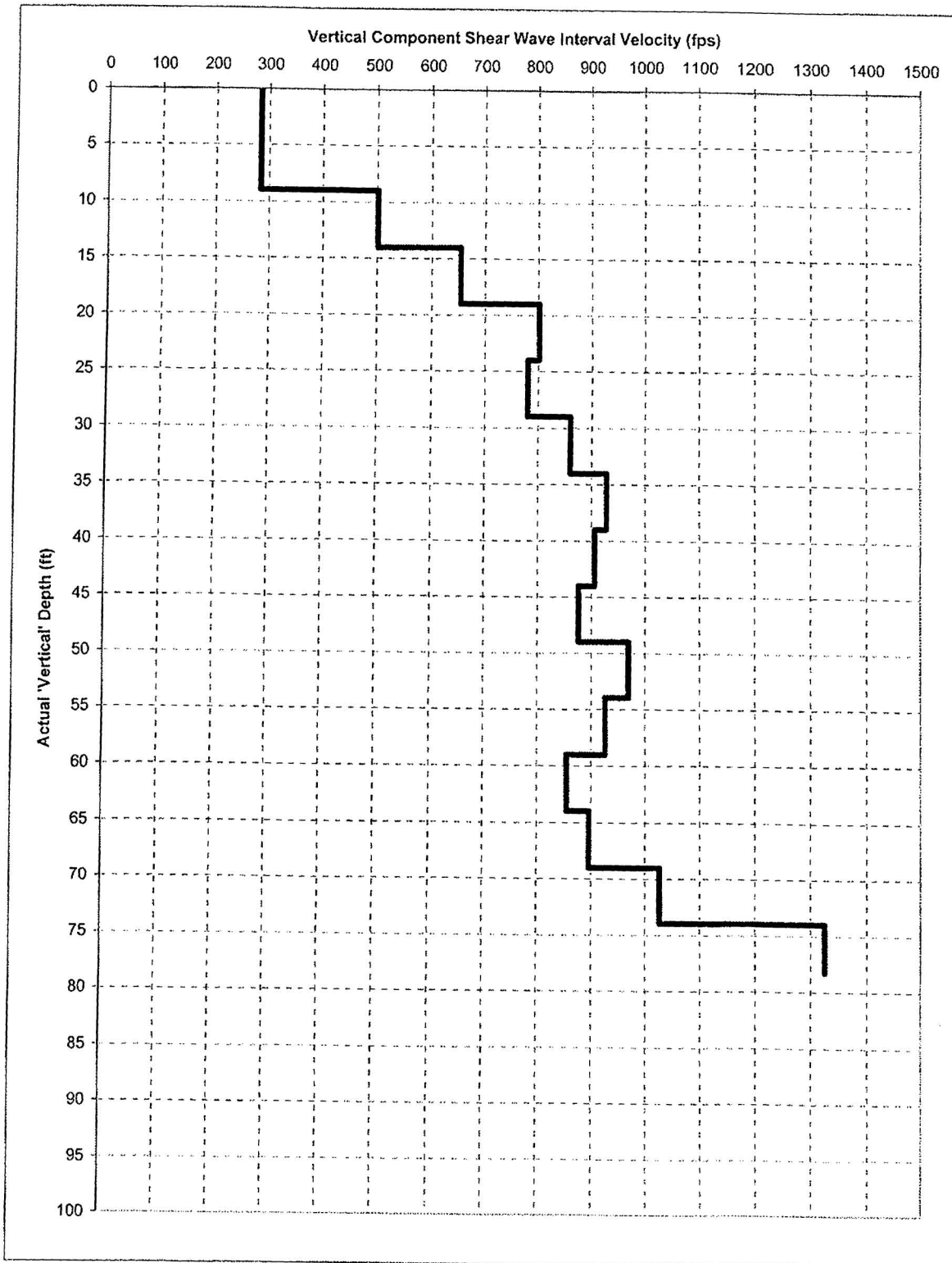
**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE  
C-2104s**



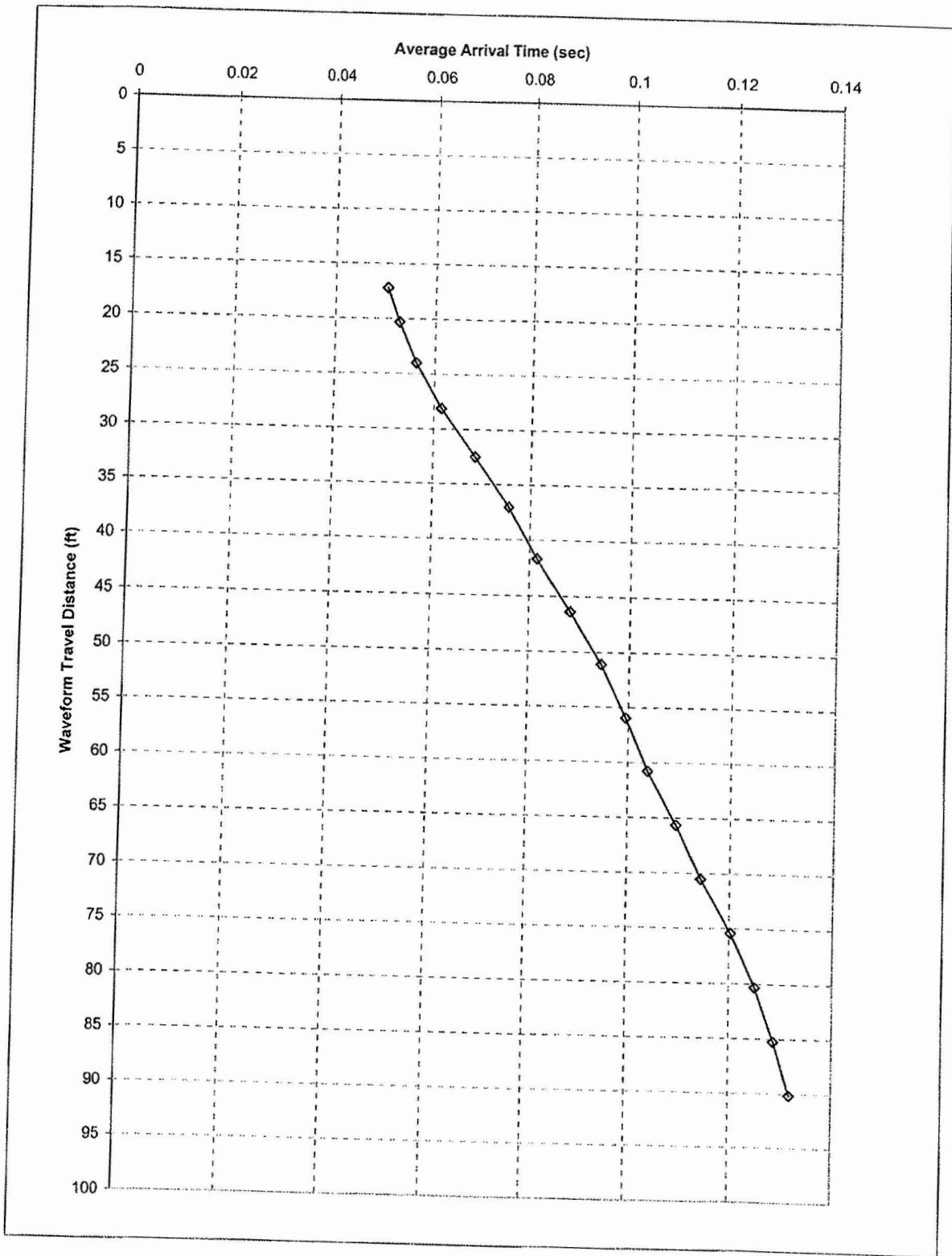
**SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH  
C-2104s B**



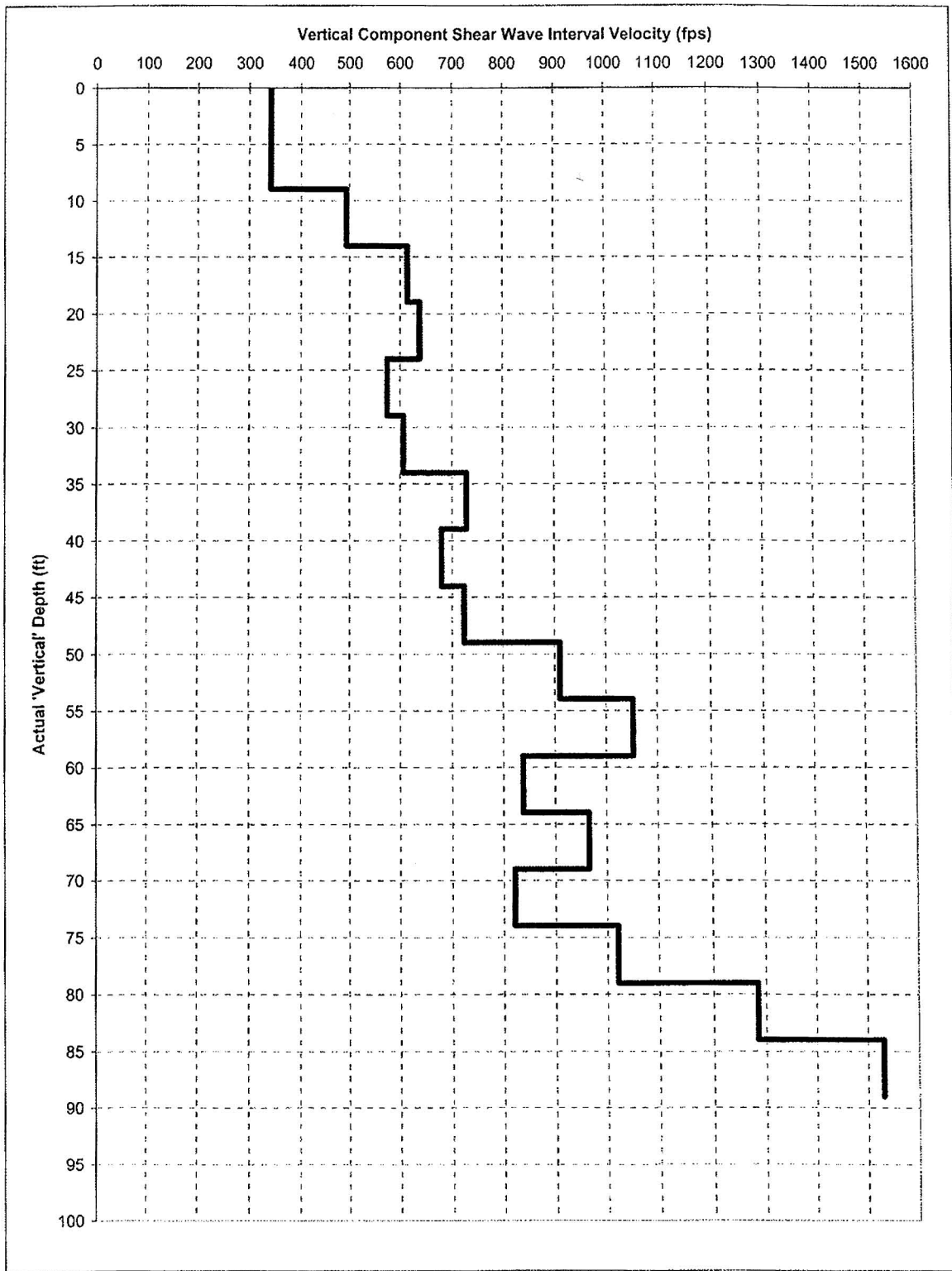
**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE  
C-2106s**



**SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH  
C-2106s**

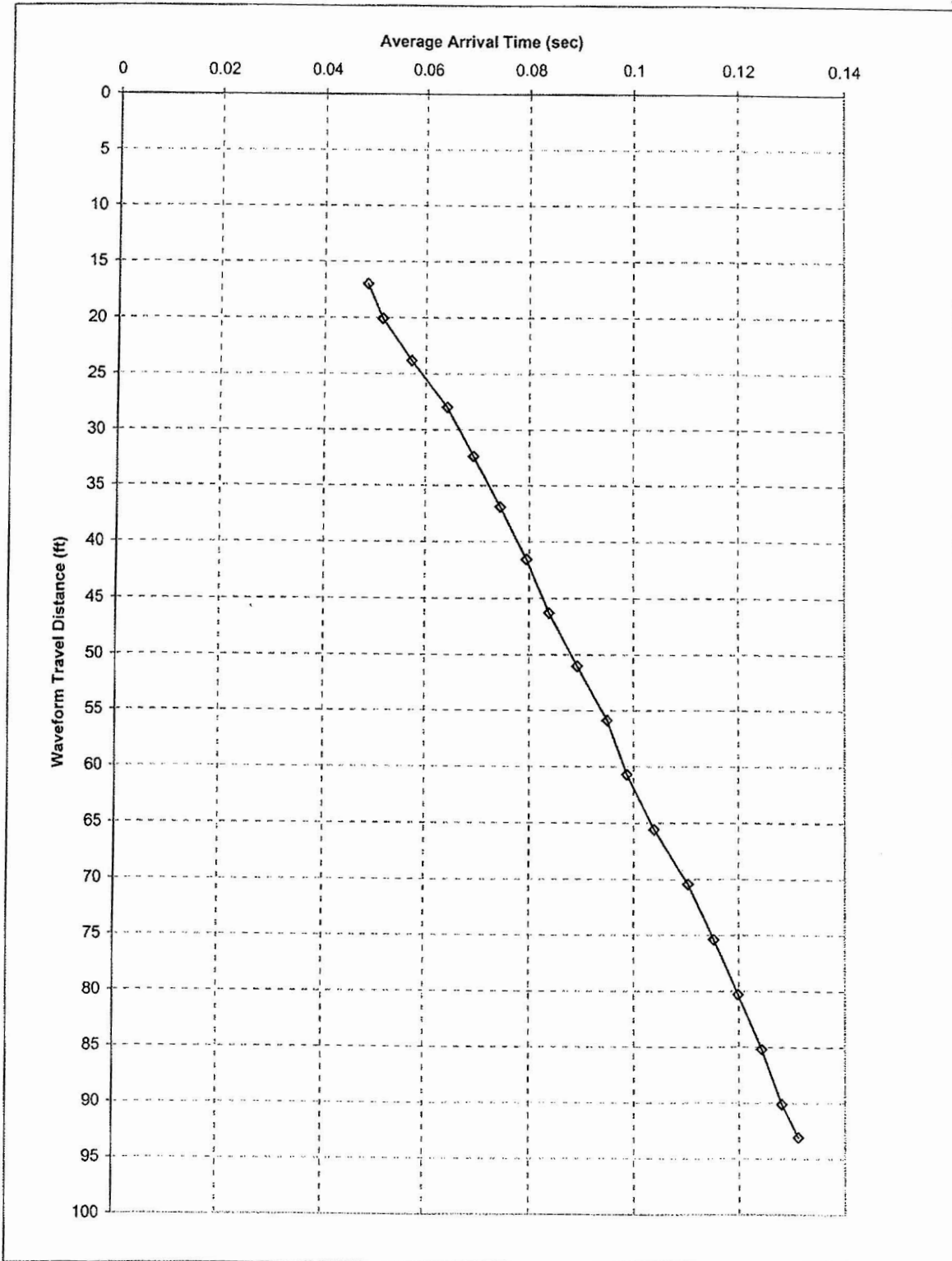


**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE  
C-2109s**

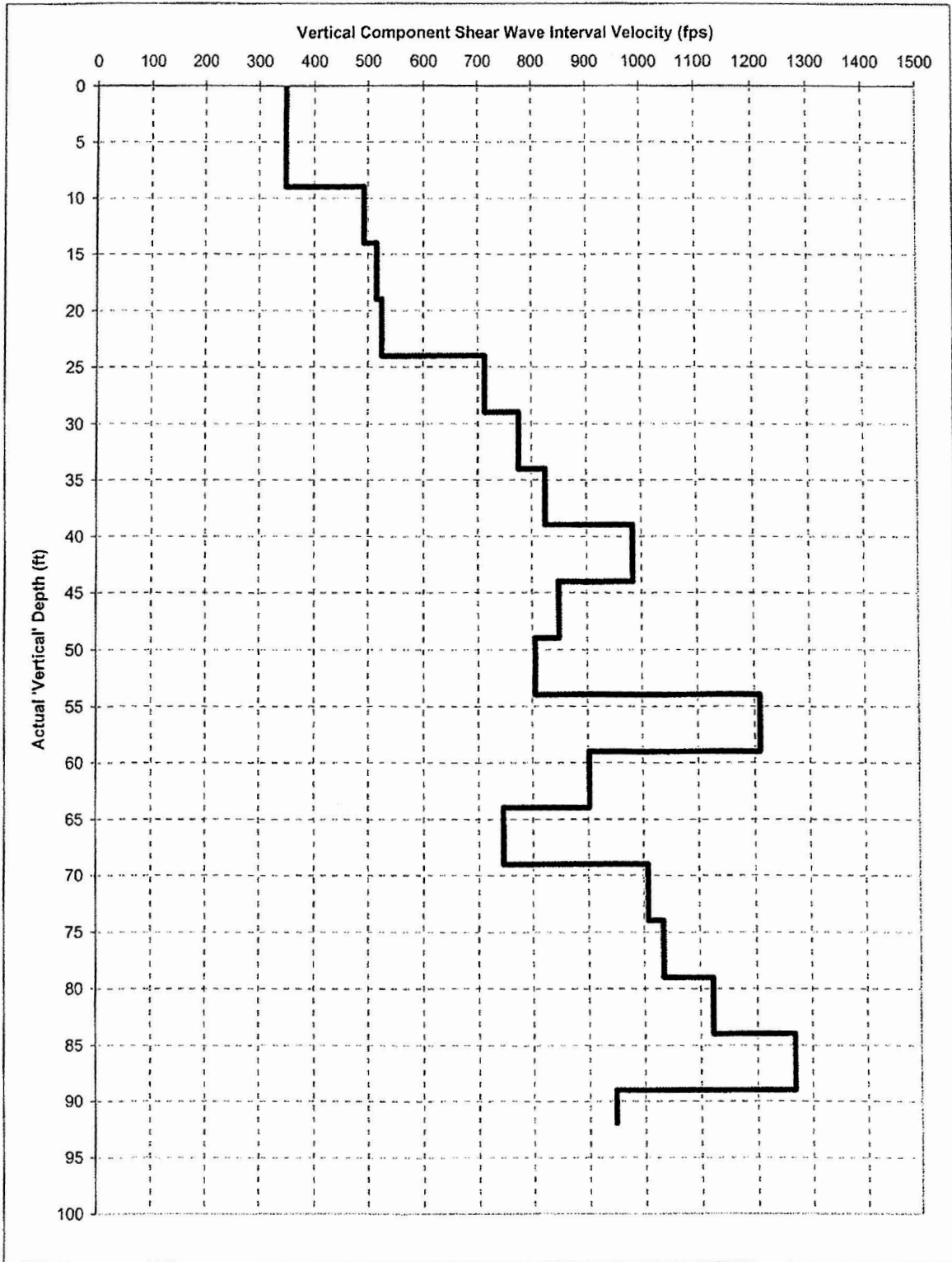


**SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH  
C-2109s**

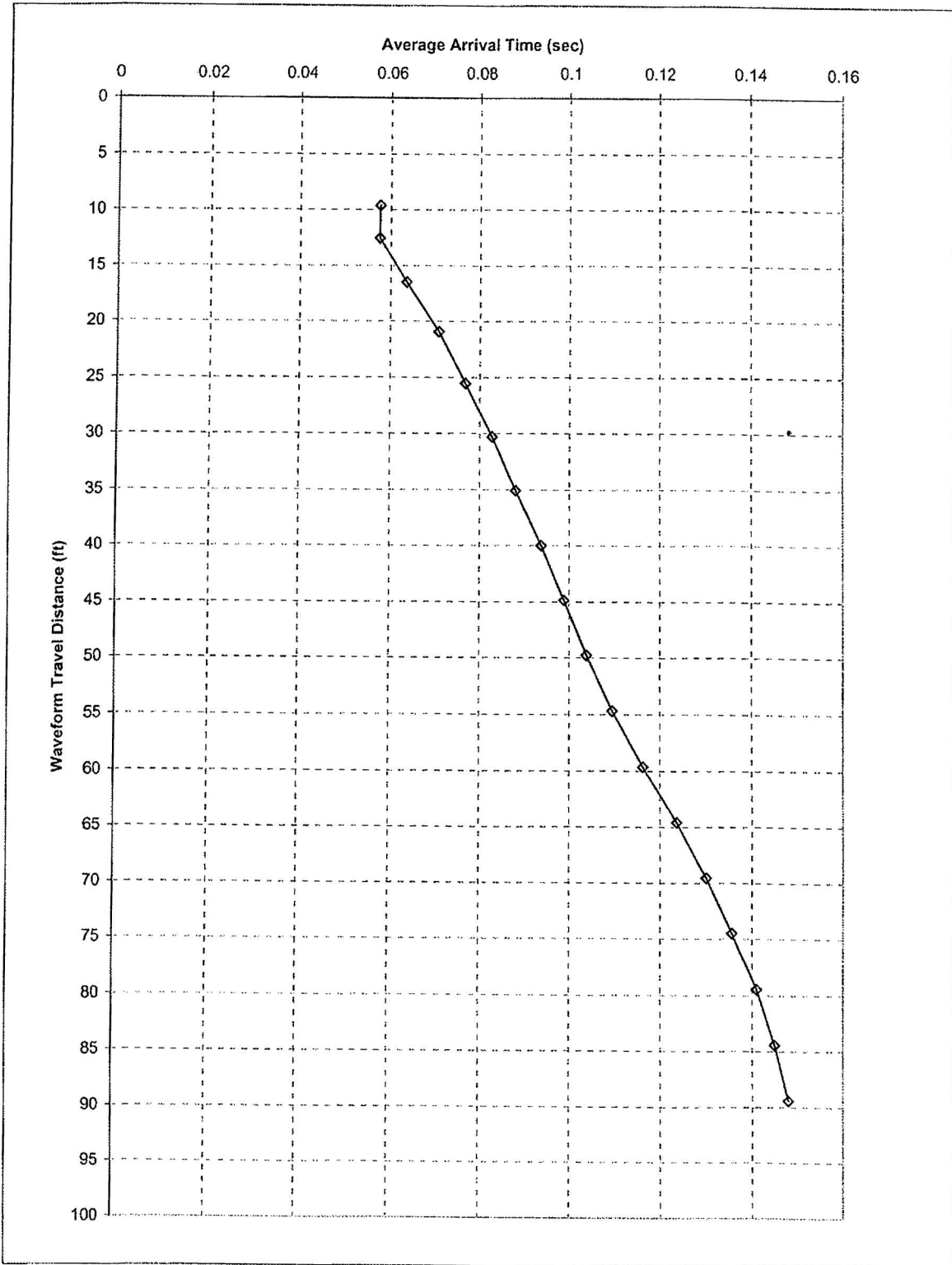




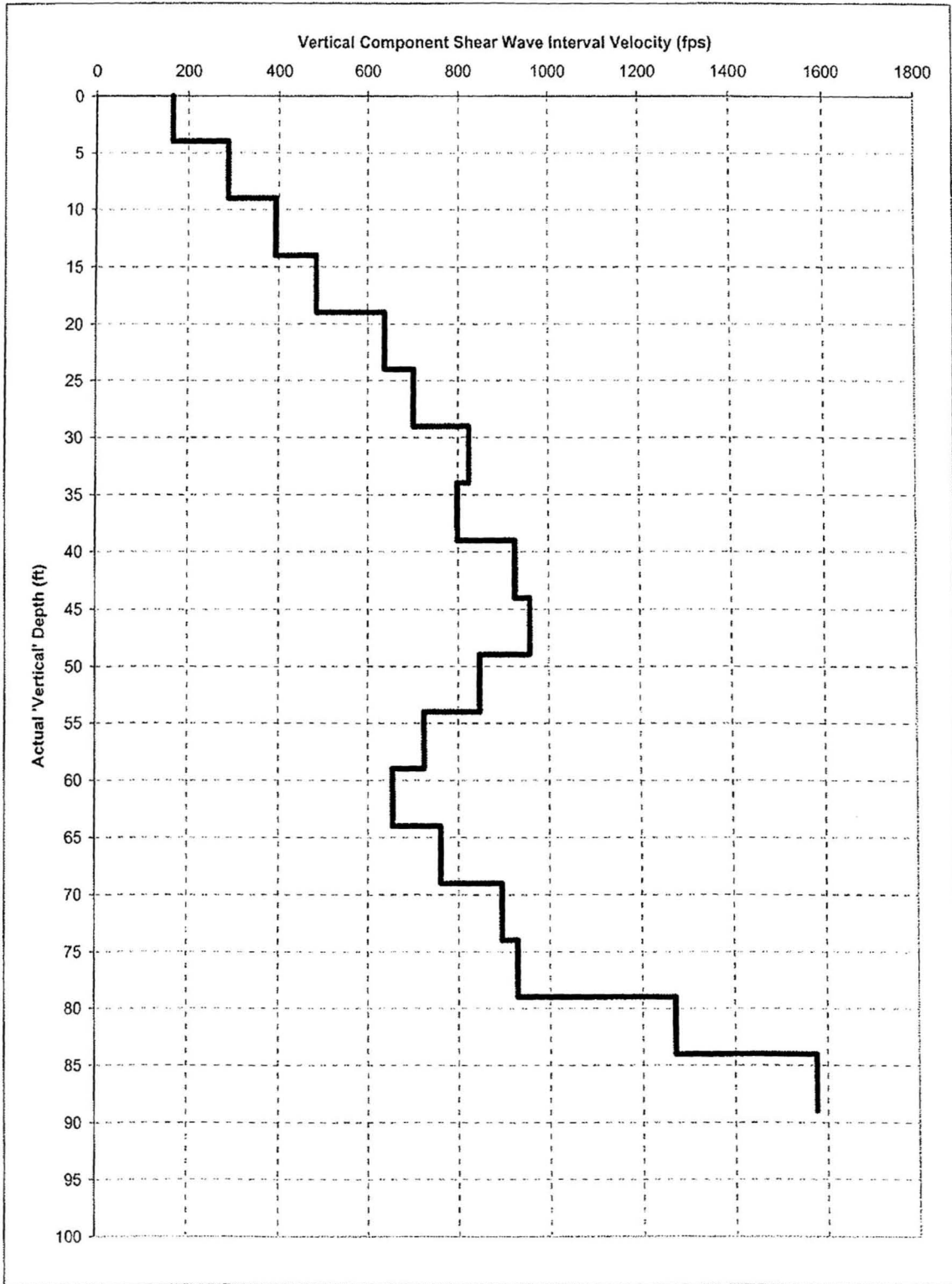
**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE  
C-2202s**



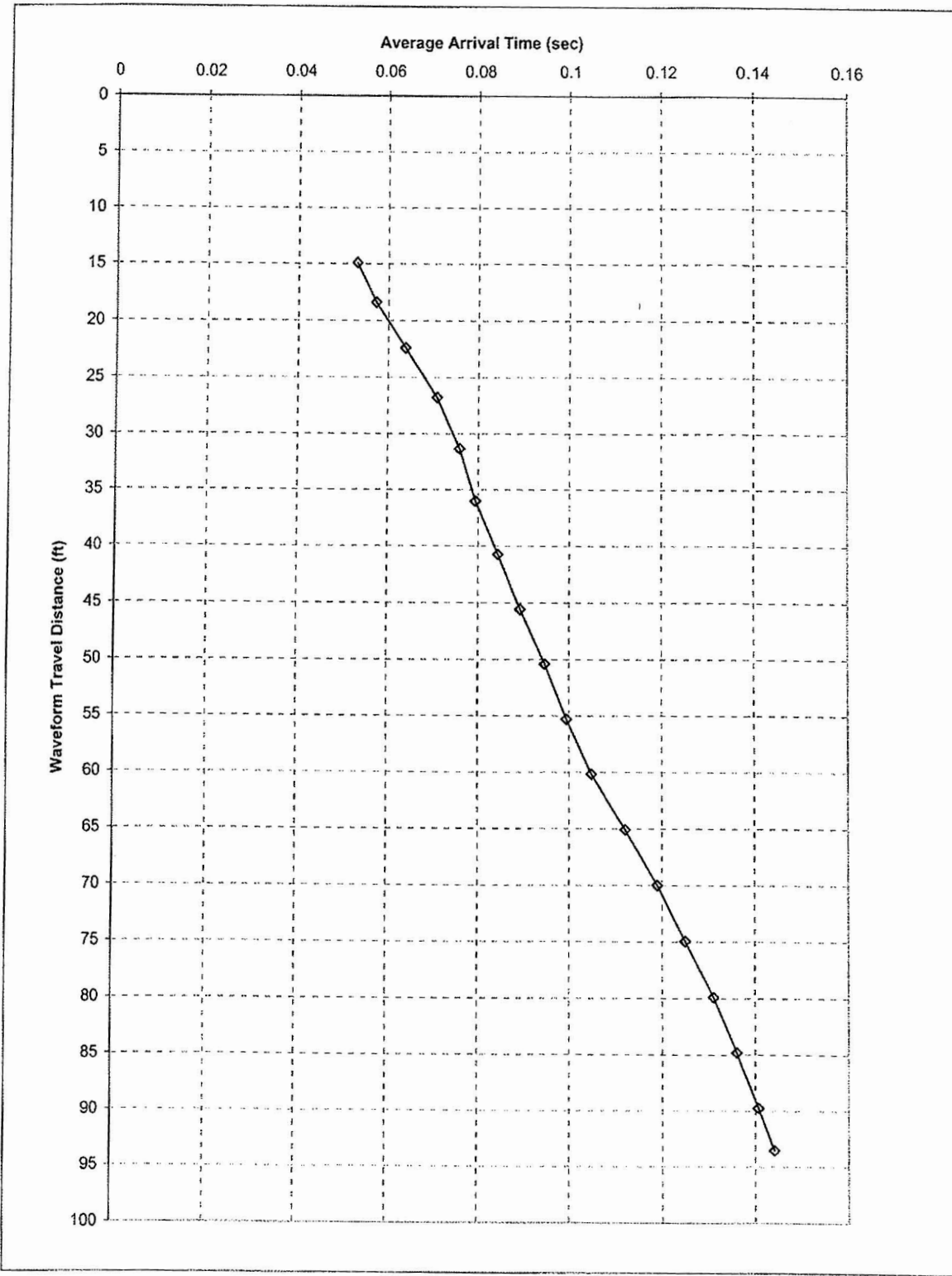
**SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH**  
**C-2202s**



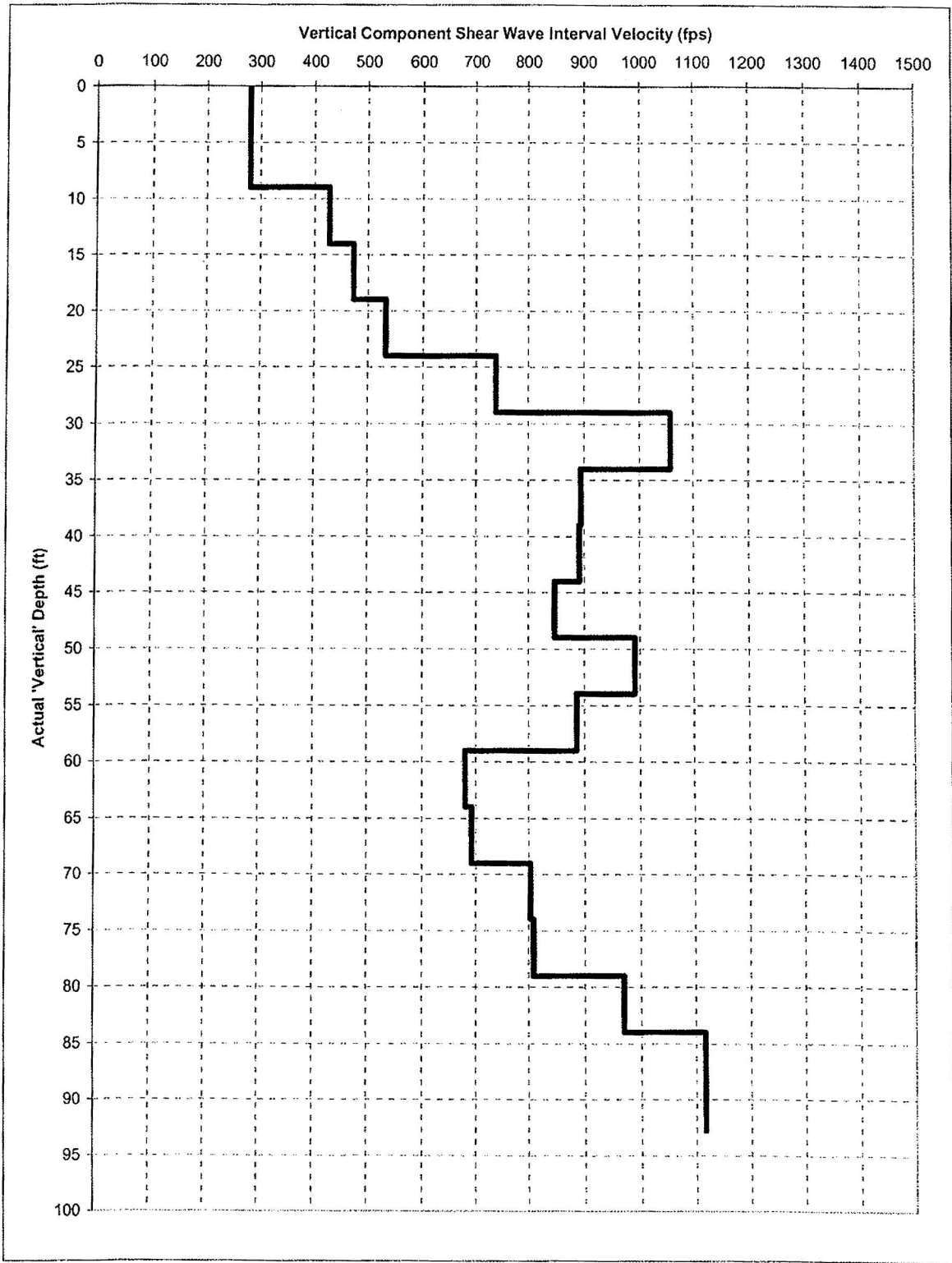
**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE  
C-2204sB**



SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH  
C-2204sB

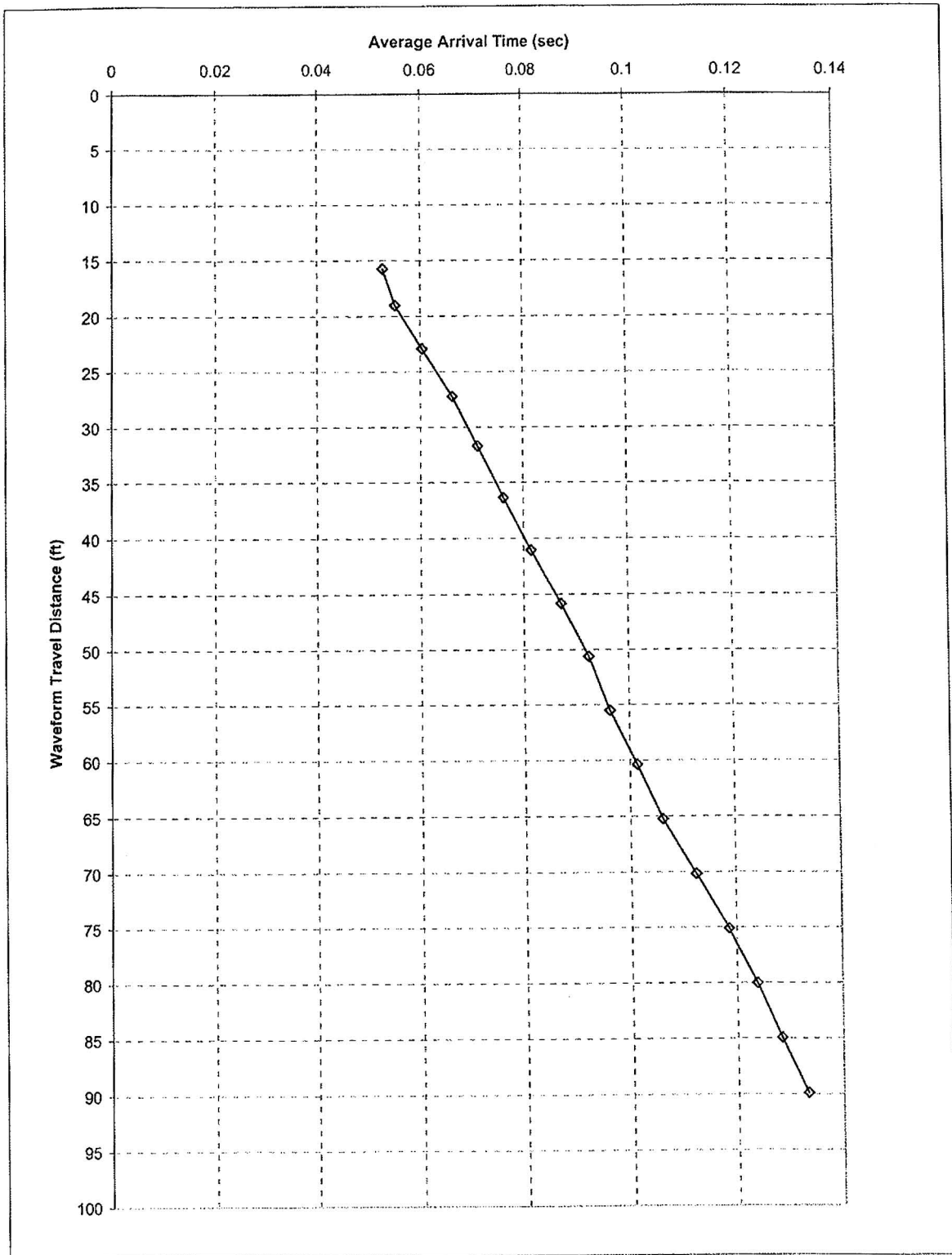


**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE**  
**C-2206s**

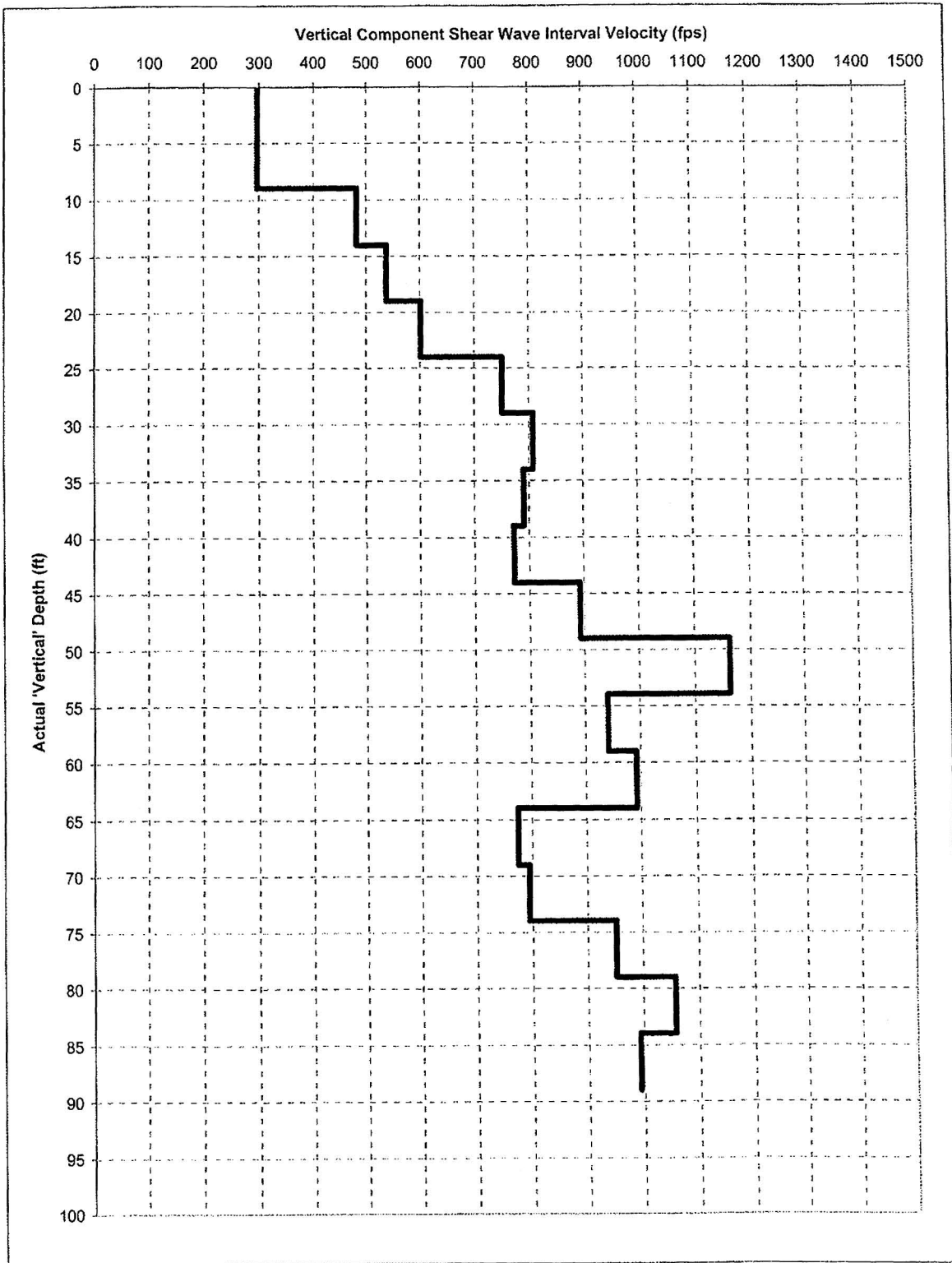


**SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH**

**C-2206s**



**AVERAGE ARRIVAL TIME VERSUS WAVEFORM TRAVEL DISTANCE  
C-2209s**



**SHEAR WAVE INTERVAL VELOCITY VERSUS VERTICAL DEPTH  
C-2209s**



**APPENDIX A**  
**FUGRO'S CONE PENETROMETERS**



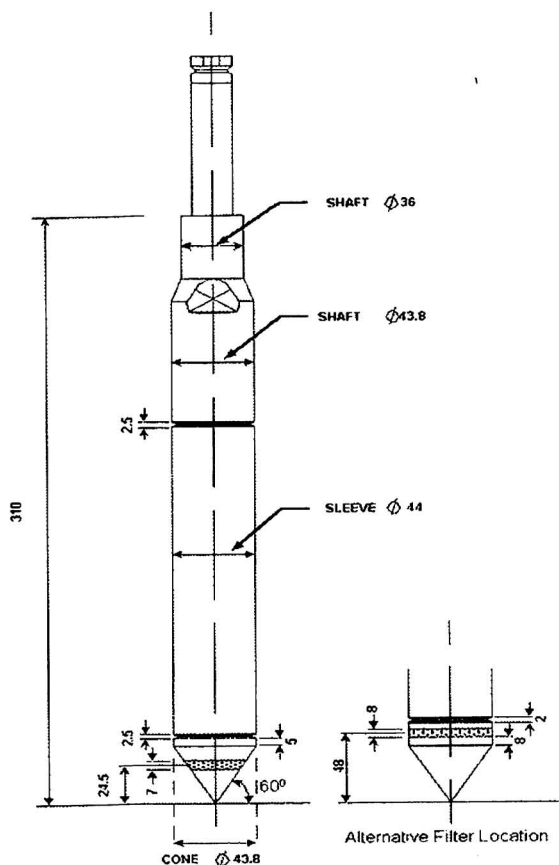
APPENDIX A

**FUGRO PENETROMETER TIPS DATA - TYPES FCKE**

SPECIFICATIONS LOADCELLS		F5CKE	F10CKE	F7.5CKE F15CKE A15F2.5CKE
<b>CONE LOADCELL</b>				
Base Area	cm <sup>2</sup>	10	10	15
Apex Angle	DEG	60	60	60
Full Range	kN	50	100	150
Load Limit	kN	100	100	200
Effect of 10 bar water pressure	N	450	450	880
Output at zero load	mV	< ± 0.5	< ± 0.5	< ± 0.5
Full range output (FRO)	mV	10	10	10
Input resistance	ohm ca.	270	270	270
Output resistance	ohm ca.	240	240	240
Non linearity and hysteresis	%FRO	< 0.1	< 0.1	< 0.1
Calibration accuracy	%FRO	< 0.5	< 0.5	< 0.5
Rated bridge supply voltage	Volt	10	10	10
Maximum bridge supply voltage	Volt	15	15	15
Thermal zero shift	%FRO/10 <sup>0</sup> C	< 0.2	< 0.2	< 0.2
Thermal Sensitivity shift	%FRO/10 <sup>0</sup> C	< 0.1	< 0.1	< 0.1
Repeatability	%FRO	< 0.1	< 0.1	< 0.1
<b>SLEEVE + CONE LOADCELL</b>				
Sleeve Area	cm <sup>2</sup>	150	150	200
Full Range	kN	50	100	150
Load Limit	kN	100	100	200
Effect of 10 bar water pressure	N	300	300	280
Output at zero load	mV	< ± 0.5	< ± 0.5	< ± 0.5
Full range output	mV	10	10	10
Input resistance	ohm ca.	270	270	270
Output resistance	ohm ca.	240	240	240
Non linearity and hysteresis	%FRO	< 0.1	< 0.1	< 0.1
Calibration accuracy	%FRO	< 0.5	< 0.5	< 0.5
Rated bridge supply voltage	Volt	10	10	10
Maximum bridge supply voltage	Volt	15	15	15
Thermal zero shift	%FRO/10 <sup>0</sup> C	< 0.2	< 0.2	< 0.2
Thermal Sensitivity shift	%FRO/10 <sup>0</sup> C	< 0.1	< 0.1	< 0.1
Repeatability	%FRO	< 0.1	< 0.1	< 0.1
<b>GENERAL</b>				
Friction output at full range load of cone	%FRO	< 2		
Compensated temperature range	<sup>0</sup> C	- 10 to + 40		
Maximum temperature	<sup>0</sup> C	80		
Insulation resistance	10 <sup>8</sup> ohm	> 5		
Slope sensor built-in		on request		

**NOTES:** The friction sleeve is located immediately above the cone.  
 Standard delivery includes: cone, calibration sheet, and connector tube.  
 The accuracy during field use will depend on: field calibrations, treatment during testing, readout equipment, abrasion and maintenance.

**TYPE F7.5CKEW/V**



**DIMENSIONS**

<b>CONE BASE AREA</b>	(mm <sup>2</sup> )	: 1,500
<b>SLEEVE AREA</b>	(mm <sup>2</sup> )	: 20,000
<b>α FACTOR</b>		: 0.59

**SPECIFICATIONS**

**CONE LOAD CELL**

- FULL SCALE RANGE	(kN)	: 75
- OVERLOAD CAPACITY	(kN)	: 200

**CONE PLUS SLEEVE LOAD CELL**

- FULL SCALE RANGE	(kN)	: 75
- OVERLOAD CAPACITY	(kN)	: 200

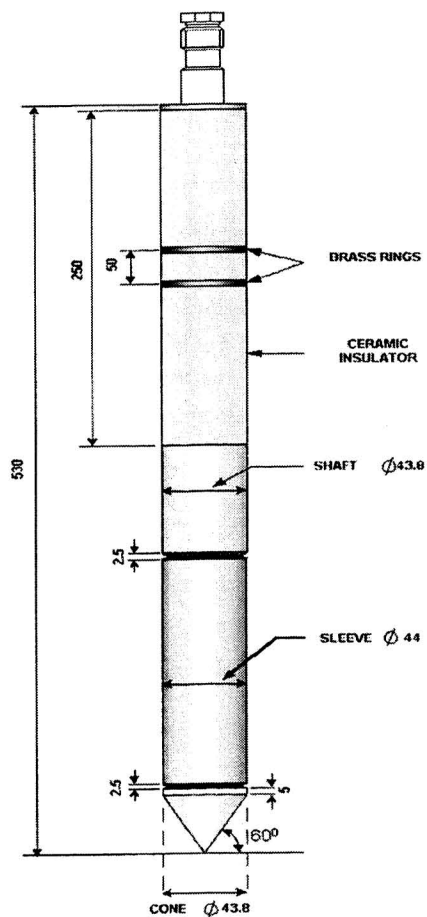
**PORE PRESSURE TRANSDUCER**

- FULL SCALE RANGE	(Mpa)	: 5.0
- BURST PRESSURE	(Mpa)	: 12.5

**NOTES:**

1. LOAD CELLS/TRANSDUCERS MAY BE CALIBRATED FOR LOWER RANGES
2. UNEQUAL SLEEVE END AREAS
3. SUBTRACTION TYPE
4. ALL DIMENSIONS IN mm
5. BUILT-IN AMPLIFIERS
6. SLOPE SENSOR INCORPORATED
7. THREADED END : INTERNAL, CONICAL

## TYPE F7.5CKEG/V



### DIMENSIONS

CONE BASE AREA	(mm <sup>2</sup> )	: 1,500
SLEEVE AREA	(mm <sup>2</sup> )	: 20,000
α FACTOR		: 0.59

### SPECIFICATIONS

#### CONE LOAD CELL

- FULL SCALE RANGE	(kN)	: 75
- OVERLOAD CAPACITY	(kN)	: 200

#### CONE PLUS SLEEVE LOAD CELL

- FULL SCALE RANGE	(kN)	: 75
- OVERLOAD CAPACITY	(kN)	: 200

#### PORE PRESSURE TRANSDUCER

- FULL SCALE RANGE	(Mpa)	: 5.0
- BURST PRESSURE	(Mpa)	: 12.5

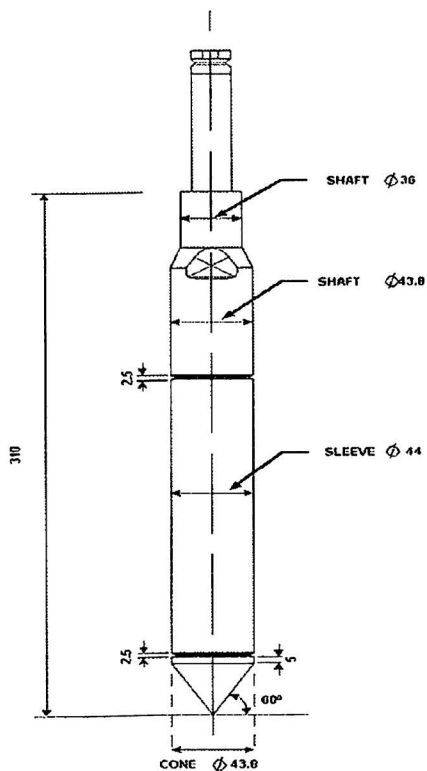
#### ELECTRICAL CONDUCTIVITY

- FULL SCALE RANGE	(S/m)	: 1.0
- MAXIMUM RANGE	(S/m)	: 5.0

### NOTES:

1. LOAD CELLS/TRNSDUCERS MAY BE CALIBRATED FOR LOWER RANGES
2. UNEQUAL SLEEVE END AREAS
3. SUBTRACTION TYPE
4. ALL DIMENSIONS IN mm
5. BUILT-IN AMPLIFIERS
6. SLOPE SENSOR INCORPORATED
7. THREADED END : EXTERNAL. M28 x 2

**TYPE F7.5CKE/V**



**DIMENSIONS**

CONE BASE AREA	(mm <sup>2</sup> )	: 1,500
SLEEVE AREA	(mm <sup>2</sup> )	: 20,000
α FACTOR		: 0.59

**SPECIFICATIONS**

**CONE LOAD CELL**

- FULL SCALE RANGE	(kN)	: 75
- OVERLOAD CAPACITY	(kN)	: 200

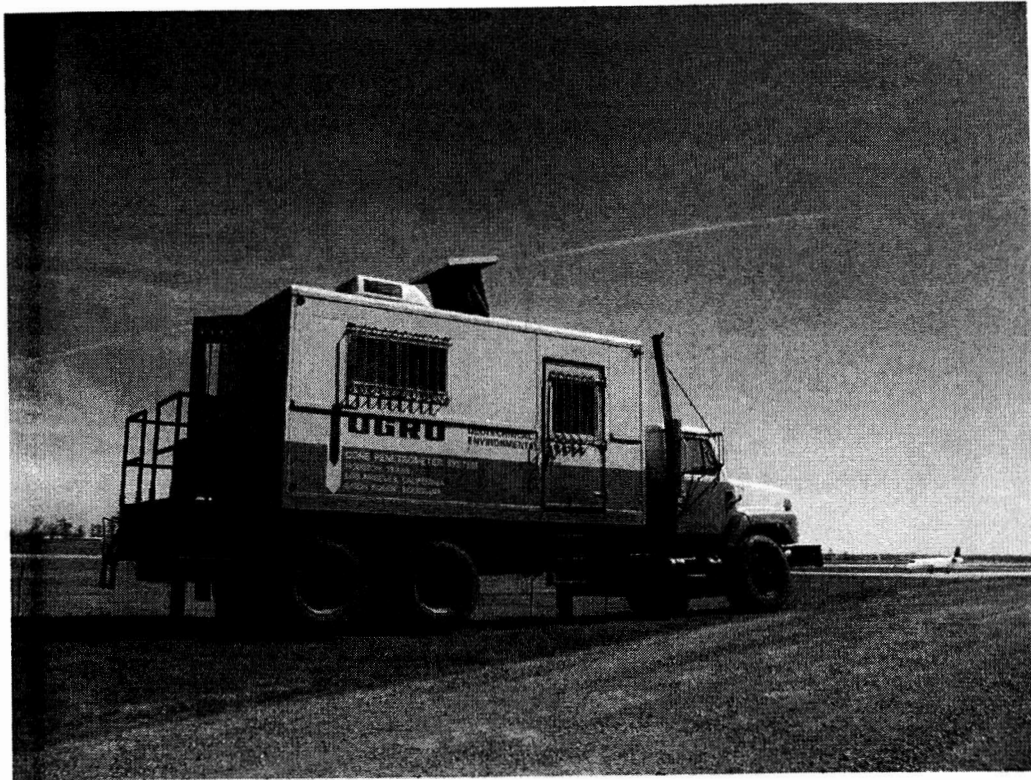
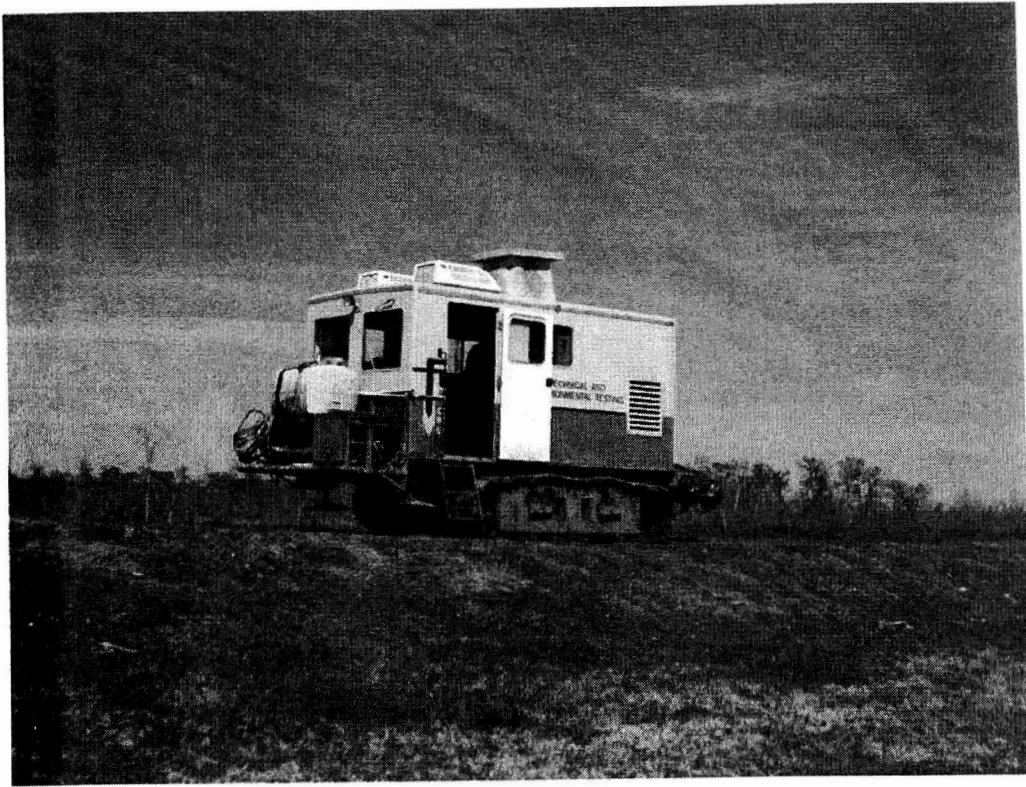
**CONE PLUS SLEEVE LOAD CELL**

- FULL SCALE RANGE	(kN)	: 75
- OVERLOAD CAPACITY	(kN)	: 200

**NOTES:**

1. LOAD CELLS/TRANSDUCERS MAY BE CALIBRATED FOR LOWER RANGES
2. UNEQUAL SLEEVE END AREAS
3. SUBTRACTION TYPE
4. ALL DIMENSIONS IN mm
5. BUILT-IN AMPLIFIERS
6. SLOPE SENSOR INCORPORATED
7. THREADED END : INTERNAL, CONICAL

**APPENDIX B**  
**FUGRO'S DEPLOYMENT SYSTEMS**



**APPENDIX C**  
**ZERO READINGS**



## CPT Zero Readings

CPT	Date	Cone Type	Cone S/N	Tip Start	Tip Stop	Sleeve Start	Sleeve Stop	Piezo Start	Piezo End	Slope Start	Slope End
C-2101	12-Nov-2007	F7.5CKEW2/B	1701-1832	0.027087	0.027710	0.022327	0.022420	-0.004883	-0.004688	0.017848	0.018581
C-2102s	13-Nov-2007	F2.5CKEW2/B	1701-1788	0.029797	0.025757	0.038855	0.006510	-0.004873	-0.005762	0.010805	0.010625
C-2103	13-Nov-2007	F7.5CKEW2/B	1701-1832	0.029163	0.029663	0.023975	0.024170	-0.004688	-0.004688	0.017496	0.017747
C-2104s	14-Nov-2007	F2.5CKEW2/B	1701-1788	0.030286	0.028076	0.010559	-0.010783	-0.004336	-0.006966	0.010859	0.010586
C-2204sA	17-Nov-2007	F2.5CKEW2/B	1701-1788	0.032581	0.030151	-0.001575	-0.007935	-0.003184	-0.005762	0.010992	0.010729
C-2204sB	10-Jan-2008	F2.5CKEW2/B	1701-1788	0.032312	0.029215	0.003210	-0.001383	-0.004248	-0.006217	0.010855	0.011146
C-2105	13-Nov-2007	F7.5CKEW2/B	1701-1832	0.030017	0.032471	0.024133	0.018066	-0.004688	-0.003516	0.017434	0.017435
C-2106s	15-Nov-2007	F2.5CKEW2/B	1701-1788	0.032312	0.028483	0.000049	-0.012939	-0.003027	-0.005241	0.010898	0.010703
C-2106a	02-Dec-2007	F7.5CKEW2/B	1701-1831	0.029187	0.034709	0.024109	0.028809	-0.004004	-0.004199	0.013125	0.012839
C-2106b	03-Dec-2007	F7.5CKEW2/B	1701-1831	0.030518	0.028646	0.025586	0.021525	-0.003809	-0.003711	0.012828	0.013008
C-2106c	03-Dec-2007	F7.5CKEW2/B	1701-1831	0.029724	0.030518	0.023816	0.026001	-0.005234	-0.003678	0.012734	0.012930
C-2106d	04-Dec-2007	F7.5CKEW2/B	1701-1831	0.029163	0.028809	0.020129	0.019572	-0.003809	-0.003711	0.013047	0.013125
C-2106e	05-Dec-2007	F7.5CKEW2/B	1701-1831	0.031006	0.032715	0.022290	0.028524	-0.003740	-0.004395	0.013242	0.013620
C-2106f	05-Dec-2007	F7.5CKEW2/B	1701-1831	0.031006	0.032715	0.022290	0.028524	-0.003740	-0.004395	0.013242	0.013620
C-2107	29-Nov-2007	F7.5CKEW2/B	1701-1832	0.040771	0.034139	0.020801	0.013550	-0.004297	-0.004883	0.017191	0.017214
C-2108	30-Nov-2007	F7.5CKEW2/B	1701-1831	0.035266	0.041748	0.029028	0.031779	-0.004102	-0.003320	0.013156	0.013008
C-2109s	14-Nov-2007	F2.5CKEW2/B	1701-1788	0.028027	0.030680	-0.006860	-0.006836	-0.006416	-0.007194	0.010711	0.010625
C-2110	30-Nov-2007	F7.5CKEW2/B	1701-1831	0.027930	0.025757	0.031213	0.027669	-0.003906	-0.004199	0.012902	0.012852
C-2111	29-Nov-2007	F7.5CKEW2/B	1701-1832	0.035645	0.036418	0.017493	0.017090	-0.004395	-0.004297	0.017184	0.017201
C-2111a	29-Nov-2007	F7.5CKEW2/B	1701-1832	0.036487	0.035807	0.018408	0.018066	-0.004492	-0.004980	0.017469	0.017422
C-2111b	30-Nov-2007	F7.5CKEW2/B	1701-1831	0.027258	0.026449	0.030518	0.028320	-0.003809	-0.003841	0.012805	0.013724
C-2111c	30-Nov-2007	F7.5CKEW2/B	1701-1831	0.027539	0.026367	0.029688	0.021159	-0.003809	-0.003809	0.012734	0.012917
C-2111d	30-Nov-2007	F7.5CKEW2/B	1701-1831	0.026489	0.029622	0.021057	0.023682	-0.003809	-0.003516	0.012813	0.018750
C-2112	29-Nov-2007	F7.5CKEW2/B	1701-1832	0.037231	0.036174	0.020618	0.022868	-0.004482	-0.004785	0.016953	0.018464
C-2113	29-Nov-2007	F7.5CKEW2/B	1701-1832	0.040381	0.036051	0.020251	0.016927	-0.004199	-0.004655	0.017023	0.017227
C-2201	04-Dec-2007	F7.5CKEW2/B	1701-1831	0.030530	0.024902	0.022864	0.017985	-0.003125	-0.004102	0.013008	0.012813
C-2202s	15-Nov-2007	F2.5CKEW2/B	1701-1788	0.029419	0.027954	-0.010095	-0.012329	-0.004502	-0.004753	0.010781	0.010703
C-2203	28-Nov-2007	F7.5CKEW2/B	1701-1832	0.037305	0.040283	0.019312	0.020142	-0.004297	-0.004785	0.017488	0.017266
C-2204s	10-Jan-2008	F2.5CKEW2/B	1701-1788	0.032312	0.029215	0.003210	-0.001383	-0.004248	-0.006217	0.010855	0.011146
C-2205	28-Nov-2007	F7.5CKEW2/B	1701-1832	0.039832	0.036825	0.021960	0.018026	-0.004297	-0.004492	0.017141	0.017643
C-2206s	17-Nov-2007	F2.5CKEW2/B	1701-1788	0.029675	0.031331	-0.006824	-0.007121	-0.005322	-0.005534	0.011547	0.010664
C-2206a	12-Dec-2007	F7.5CKEW2/B	1701-1831	0.037695	0.037557	0.031653	0.028931	-0.004102	-0.004102	0.012852	0.012773
C-2206b	12-Dec-2007	F7.5CKEW2/B	1701-1831	0.033594	0.033285	0.028601	0.025309	-0.006104	-0.004199	0.012758	0.012773
C-2206c	13-Dec-2007	F7.5CKEW2/B	1701-1831	0.032556	0.034180	0.026978	0.027629	-0.003838	-0.004199	0.012852	0.012773
C-2206d	13-Dec-2007	F7.5CKEW2/B	1701-1831	0.034424	0.035238	0.030103	0.029093	-0.004102	-0.004102	0.012930	0.013008
C-2206e	14-Dec-2007	F7.5CKEW2/B	1701-1831	0.034314	0.033813	0.030676	0.028035	-0.004395	-0.004590	0.012773	0.012773
C-2206f	14-Dec-2007	F7.5CKEW2/B	1701-1831	0.034314	0.035767	0.029126	0.031006	-0.004492	-0.004590	0.012945	0.013073
C-2207	27-Nov-2007	F7.5CKEW2/B	1701-1832	0.037415	0.035075	0.023462	0.016561	-0.004199	-0.004492	0.017645	0.018281
C-2208	18-Nov-2007	F7.5CKEW2/B	1701-1832	0.033813	0.033732	0.021619	0.021200	-0.004600	-0.004688	0.017285	0.017318
C-2209s	16-Nov-2007	F2.5CKEW2/B	1701-1788	0.033911	0.027629	-0.002429	-0.012085	-0.000469	-0.004264	0.011074	0.010768
C-2210	18-Nov-2007	F7.5CKEW2/B	1701-1832	0.035754	0.032959	0.023560	0.021729	-0.004688	-0.004785	0.017449	0.017461

### CPT Zero Readings

CPT	Date	Cone Type	Cone S/N	Tip Start	Tip Stop	Sleeve Start	Sleeve Stop	Piezo Start	Piezo End	Slope Start	Slope End
C-2210a	18-Nov-2007	F7.5CKEW2/B	1701-1832	0.032043	0.037598	0.022815	0.021484	-0.004688	-0.004590	0.017090	0.016953
C-2211	18-Nov-2007	F7.5CKEW2/B	1701-1832	0.031836	0.034058	0.020996	0.021322	-0.005078	-0.004883	0.017348	0.019701
C-2212	18-Nov-2007	F7.5CKEW2/B	1701-1832	0.034778	0.033325	0.022241	0.021362	-0.004590	-0.004785	0.017102	0.017096
C-2213	27-Nov-2007	F7.5CKEW2/B	1701-1832	0.038184	0.037394	0.020129	0.018270	-0.004248	-0.004395	0.016984	0.017617
C-2214	29-Nov-2007	F7.5CKEW2/B	1701-1832	0.041748	0.037760	0.022473	0.017253	-0.004199	-0.004590	0.017059	0.017031
C-2215	28-Nov-2007	F7.5CKEW2/B	1701-1832	0.039929	0.039958	0.020386	0.019694	-0.004590	-0.004688	0.017039	0.016992
C-2216	04-Dec-2007	F7.5CKEW2/B	1701-1831	0.030396	0.027913	0.022534	0.019287	-0.004102	-0.004004	0.012930	0.012734



**FUGRO CONSULTANTS, INC.**

6105 Rookin Road  
Houston, Texas 77074  
Tel: 713-346-4000  
Fax: 713-346-4002

January 24, 2008  
Report Number 1907-0075

Mactec Engineering and Consulting, Inc.  
7041 Old Wake Forest Road  
Suite 103  
Raleigh, North Carolina 27616

Attention: Mr. Scot Auger, P.E., PMP

**CALIBRATION VERIFICATION REPORT  
FOR SEISMIC PIEZOCONE PENETRATION TESTING  
EXELON TEXAS COL  
VICTORIA, TEXAS  
MACTEC PROJECT #6468071777**

Dear Mr. Auger:

Please find enclosed herewith the calibration verification results for the instruments used in the above referenced project. The data has been reviewed and has undergone the appropriate QA/QC process. These post calibrations checks were performed on cones F7.5CKEW2/B 1701-1832, F7.5CKESW2/B 1701-1788, and F7.5CKEW2/B 1701-1498. Post calibration checks on cone F7.5CKEW2/B 1701-1831 which was damaged attempting to perform a CPT through drill pipe.

Fugro's cone penetrometer manufacturing and calibration procedures include ISO 9001, ASTM D5778-2000 and European cone penetrometer standards. Cone penetrometers are tested and calibrated for the following:

**Mechanical Calibration**

- Cross Talk Check
- Dimension Check
- Seal/O-Ring Check

**Electronic Calibration**

- Temperature effect
- Pre and Post test voltage readings (zeros)
- Full scale output load readings
- Pore Pressure transducer calibration
- Slope indicator calibration

**Calibration Verification Methodology**

Manufactured and calibrated according to ISO 9001, the calibration values of the electric cone penetrometers used for this project were verified before and after fieldwork utilizing the following A2LA and/or ANSI/NCSL approved verification systems.



**Tip and Friction** (Up To 10,000 lbs.)

Load cell: Indicator system  
Calibrated by: Interface (A2LA approved)  
Calibration date: March 9, 2007  
Load cell model: 1211EX-10KB, Serial No. 113655  
Capacity: 10,000 lbs.  
Indicator: Interface 9820-000-1, Serial No. M2635

**Tip** (Up To 20,000 lbs.)

Load cell: Geotac  
Calibrated by: Applied Technical Services (A2LA approved)  
Calibration date: November 28, 2006 and March 14, 2008 ZHU 4/29/08  
Load cell model: 560K  
Capacity: 50,000K

**Pore Pressure Transducer**

Digital Pressure Indicator  
Calibrated by: GD Sensing (ANSI/NCSL approved)  
Manufactured by: Eaton  
Model number: UPS 3000CC  
Serial number: A0813  
Calibration date: September 15, 2006

**Cone Penetrometer Temperature**

Digital Thermometer  
Calibrated by: Houston Precision (ANSI/NCSL approved)  
Manufactured by: Cole Parmer  
Model Number: Degi-sence Type K  
Serial Number: TD-001  
Calibration date: November 16, 2007

Utilizing the above systems each was load and pressure tested as follows:

Tip: 0-20,000 lb.  
Friction: 0-7,500 lb.  
Pore Pressure: 0:350 PSI  
Temperature effect 30 Degrees Fahrenheit – 115 Degrees Fahrenheit

Under each load/pressure increment, the cone penetrometer readings are recorded in millivolts (mV). Load/pressure (pounds/psi) load increments and corresponding cone readings in mV are input into **HGL Instrument Verificaton** software to obtain linear regression and correlation coefficient ( $R^2$ ) values (See attached **HGL Instrument Verification** Forms).

Additionally, load/pressure increments and cone readings were also input into a calibration **Verification Certificate Program** to calculate each cone penetrometer's calibration value in MPa units (See attached **Calibration Verification Certificates** for each cone penetrometer). The last column in these forms represents the calibration values of tip, friction and pore pressure.



### Calculation Example

Load Increment, P1	= 590 lb. = 0.295 tons
Tip Reading	= 35.2 mV
Tip Area, A= 15cm <sup>2</sup>	= 0.0161 sq. ft.
Tip Pressure	= P1/A = 0.295/0.0161 = 18.32298 tsf
Tip Pressure Per mV	= 18.32298/35.2 mV = 0.520539 tsf/mv
Tip Pressure Per Volt	= 0.520539 x 1,000 = 520.539 tsf/volt = 49.847 MPa/Volt
Tip Calibration Valve	~ 50 Mpa/Volt

### Temperature Calibration:

Cone Penetrometers are placed in a temperature-controlled enclosure and zero readings recorded in mV at intervals between 30 degrees (F) and 115 degrees (F). Temperatures and zero readings (mV) are entered into the **Calibration Verification Certificate** software which calculates the deviation between the maximum and minimum zero readings (mV) for the tip friction and pore pressure channels.

### Data Recording

During the cone penetration test, the calibration numbers are automatically recorded in CPT test data files along with the following information (See attached CPT test data file, 6710.DEP):

- Date of CPT test
- Starting time of test
- Project Number
- CPT test number
- Operator name
- Elevation, starting depth, water depth
- Cone serial number
- Number of cone channels (3)
  - Tip calibration (50 MPa)
  - Friction calibration (0.5 MPa)
  - Pore Pressure Calibration (2.5 MPa)
  - Slope calibration (525)
- Initial baseline (zero) readings for depth, tip, friction, pore pressure and slope.

### Seismograph

Seismic data was collected using an ES-300 seismograph manufactured by Geometrics, Inc. The accuracy of the time readings of this instrument was verified before and after field work utilizing following A2LA and/or ANSI/NCSL approved verification systems.

Function Generator:	Oscilloscope with built function generator.
Manufactured by:	EZ Digital, Inc.
Model number:	OS-5020G
Serial number:	3080209
Calibrated by:	Transcat Calibration Services (ANSI/NCSL approved)



Calibration date: February 28, 2007

Frequency Counter, 120 MHz, 1 Channel  
Manufactured by: Insetek God Will Instruments  
Model number: GFC - 8010H  
Serial number: CF 871549

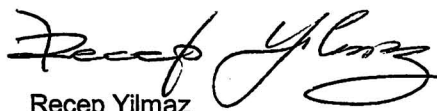
Calibrated by: Transcat Calibration Services (A2LA/NCSL approved)  
Calibration date: February 28, 2007

**Seismograph Verification Methodology**

The function generator was connected to the input of the seismograph and frequency counter. Sine wave signals were generated at 10 Hz intervals from 10-100 Hz. The seismograph was manually triggered for each frequency and the data stored in standard seg2 seismic data format files, one frequency per file. Each file was opened with SeisImager software and converted to the frequency domain. The input and seismograph frequencies were entered into **Calibration Verification Certificate** software (See attached **Calibration Verification Certificate**).

Fugro appreciates the opportunity to submit our calibration verification report for your review. If you have any questions, or if we can be of further assistance, please do not hesitate to contact us.

Very truly yours,  
**FUGRO CONSULTANTS, INC.**



Recep Yilmaz  
Senior Vice President

RY/jm

1 CD Enclosed

