



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1052438

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	B.W. 1-36
Doc ID	1052438

All Electric Logs Run

DIL
MICRO
POR
SONIC

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



phone: 316-337-6200  
fax: 316-337-6211  
<http://kcc.ks.gov/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

March 15, 2011

CLAYTON CAMOZZI  
Samuel Gary Jr. & Associates, Inc.  
1515 WYNKOOP, STE 700  
DENVER, CO 80202

Re: ACO1  
API 15-051-26048-00-00  
B.W. 1-36  
SE/4 Sec.36-15S-16W  
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office at 303-831-4673.

Respectfully,  
CLAYTON CAMOZZI



## DRILL STEM TEST REPORT

Prepared For: **Sam Gary & assoc.inc.**

1515 Wynkoop  
STE 700  
Denver Co. 80202

ATTN: Clsyton Camozzi

**36-15s-16w Ellis**

**B.W.1-36**

Start Date: 2010.11.21 @ 14:30:05

End Date: 2010.11.21 @ 22:39:50

Job Ticket #: 039987                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary & assoc.inc.

**B.W.1-36**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**36-15s-16w Ellis**

Job Ticket: 039987

**DST#: 1**

Test Start: 2010.11.21 @ 14:30:05

## GENERAL INFORMATION:

Formation: **Lansing "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:05:00

Time Test Ended: 22:39:50

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 31

**Interval: 3152.00 ft (KB) To 3216.00 ft (KB) (TVD)**

Reference Elevations: 1914.00 ft (KB)

Total Depth: 3216.00 ft (KB) (TVD)

1906.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8352 Outside**

Press @ Run Depth: 269.21 psig @ 3156.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.21 End Date: 2010.11.21

Last Calib.: 2010.11.21

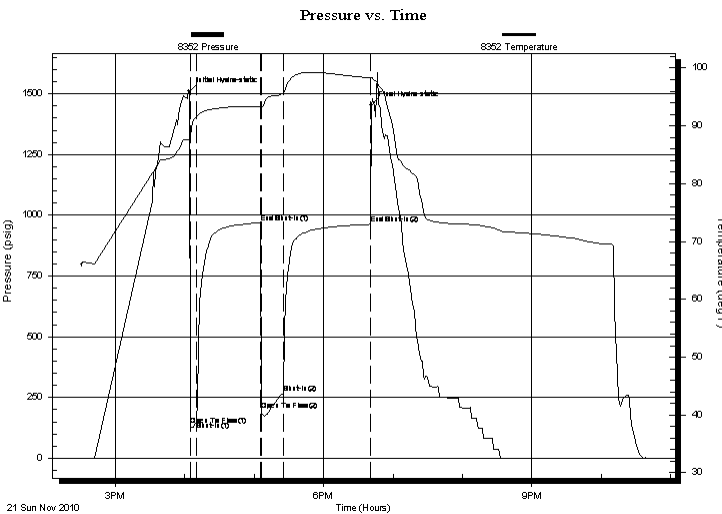
Start Time: 14:30:05 End Time: 22:39:50

Time On Btm: 2010.11.21 @ 16:03:50

Time Off Btm: 2010.11.21 @ 18:41:20

**TEST COMMENT:** IF: BOB, 30 sec.  
IS: Blow Back, one half inch  
FF: BOB, Immediately  
FS: Blow Back, one half inch

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1510.75	87.67	Initial Hydro-static
2	136.61	87.58	Open To Flow (1)
7	152.42	91.60	Shut-In(1)
62	970.27	93.42	End Shut-In(1)
63	199.80	93.00	Open To Flow (2)
82	269.21	95.59	Shut-In(2)
157	962.77	98.28	End Shut-In(2)
158	1452.98	98.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
727.00	CGO	9.92

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary & assoc.inc.

**B.W.1-36**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**36-15s-16w Ellis**

Job Ticket: 039987

**DST#: 1**

Test Start: 2010.11.21 @ 14:30:05

## Tool Information

Drill Pipe:	Length: 3108.00 ft	Diameter: 3.80 inches	Volume: 43.60 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 30.81 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 43.75 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.81 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3152.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	97.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

## Tool Comments:

Sampler Analysis= Gas=1.8CF Oil=3200ML Pressure=700LBS

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8650	Fluid	3119.00	
Blank Spacing	3.00			3122.00	
Shut In Tool	5.00			3127.00	
Sampler	3.00			3130.00	
Hydraulic tool	5.00			3135.00	
Jars	5.00			3140.00	
Safety Joint	3.00			3143.00	
Packer	5.00			3148.00	33.00 Bottom Of Top Packer
Packer	4.00			3152.00	
Stubb	1.00			3153.00	
Perforations	2.00			3155.00	
Change Over Sub	1.00			3156.00	
Recorder	0.00	8017	Inside	3156.00	
Recorder	0.00	8352	Outside	3156.00	
Drill Pipe	32.00			3188.00	
Change Over Sub	1.00			3189.00	
Perforations	24.00			3213.00	
Bullnose	3.00			3216.00	64.00 Bottom Packers & Anchor

**Total Tool Length: 97.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Sam Gary & assoc.inc.

**B.W.1-36**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**36-15s-16w Ellis**

Job Ticket: 039987

**DST#: 1**

Test Start: 2010.11.21 @ 14:30:05

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

47 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
727.00	CGO	9.917

Total Length: 727.00 ft      Total Volume: 9.917 bbl

Num Fluid Samples: 0

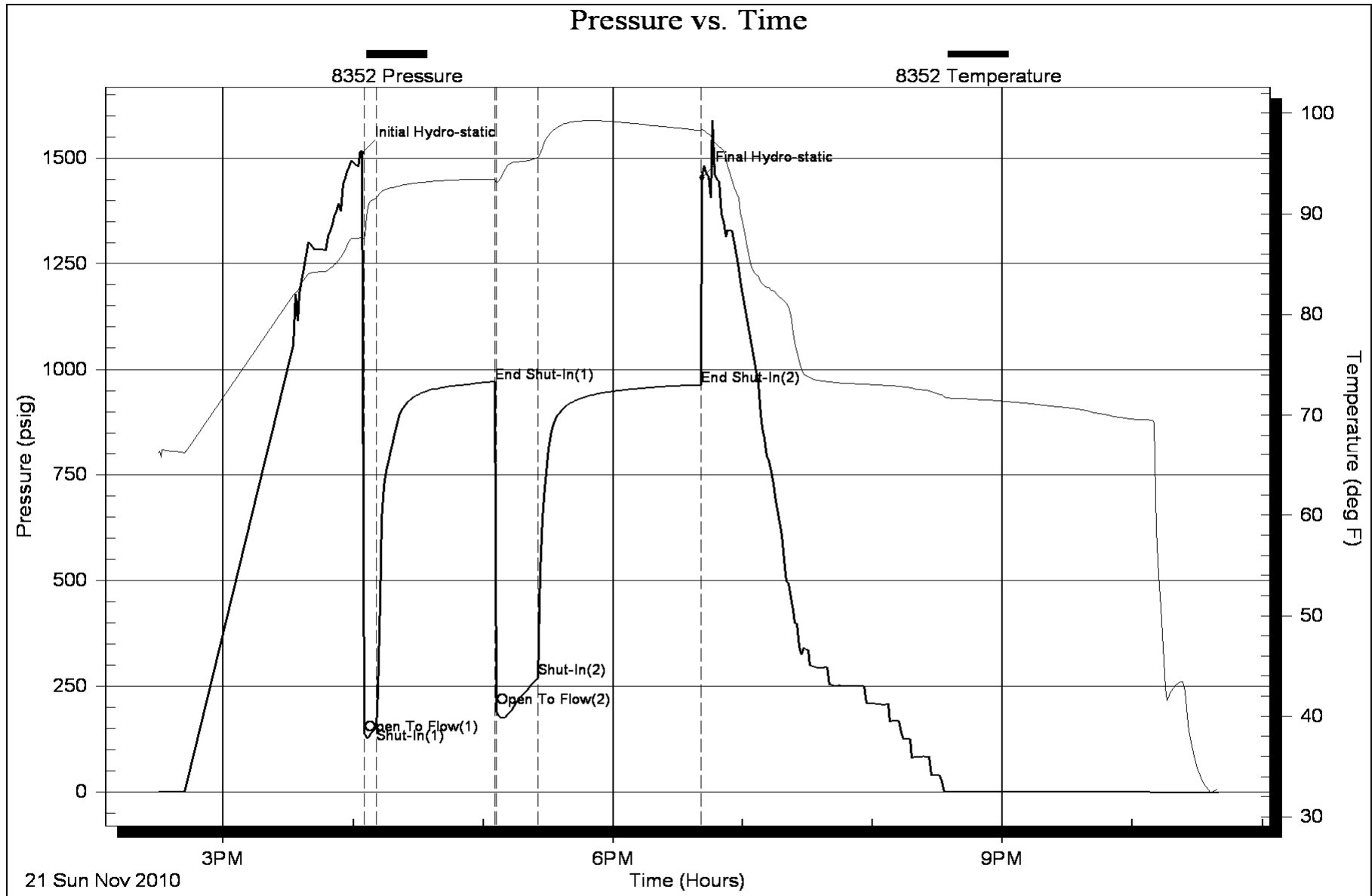
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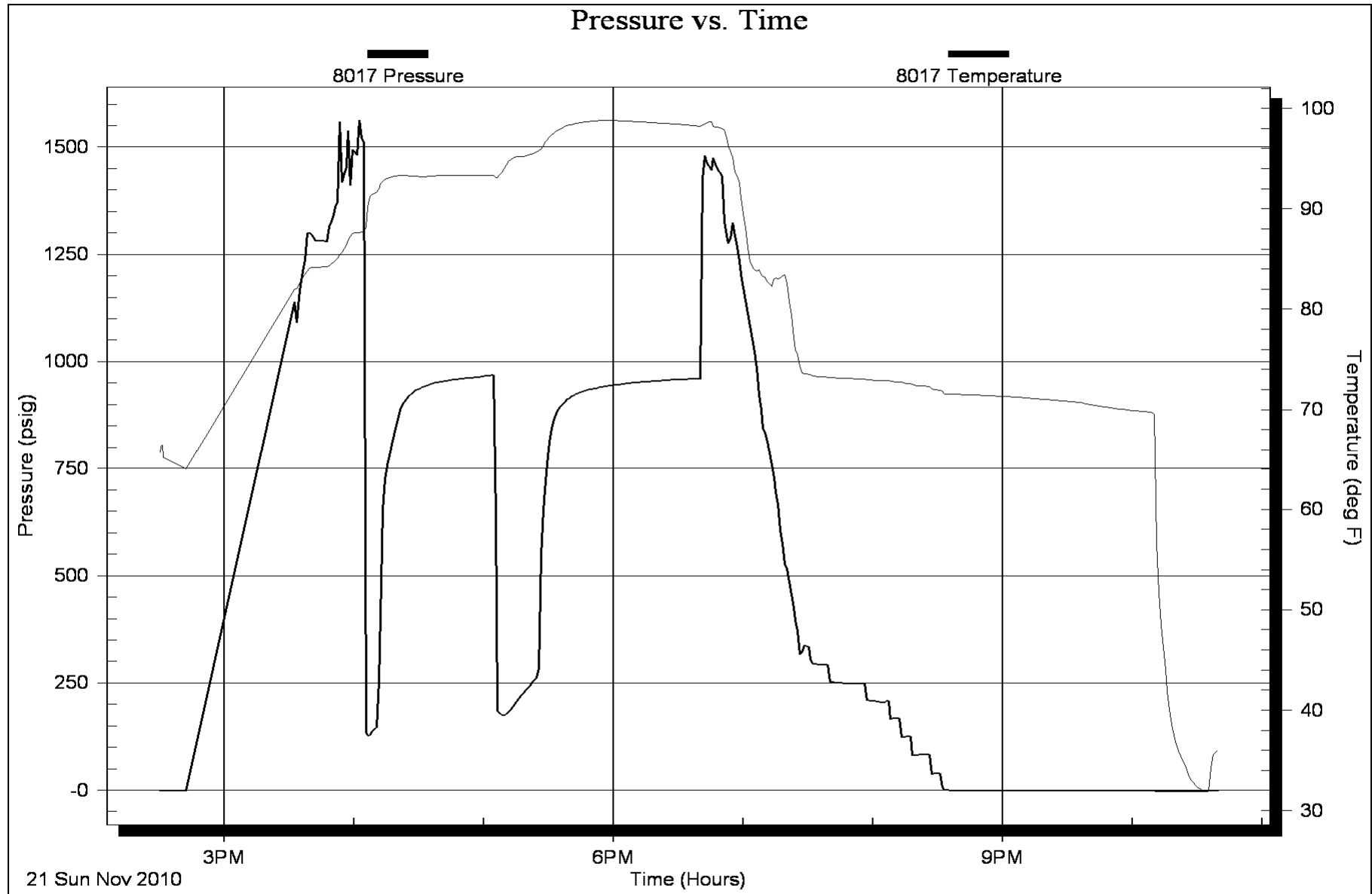
Serial #:

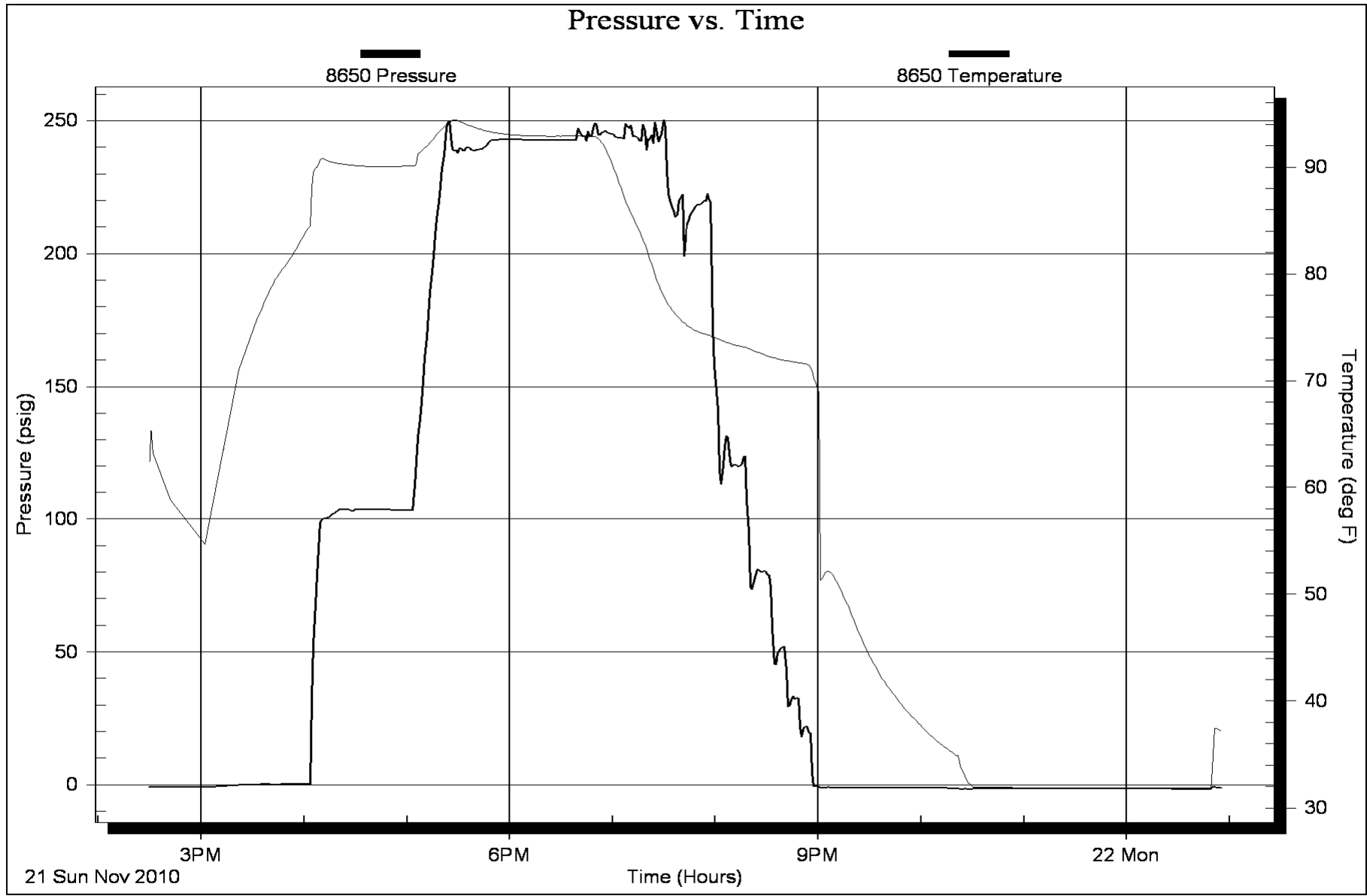
Laboratory Name:

Laboratory Location:

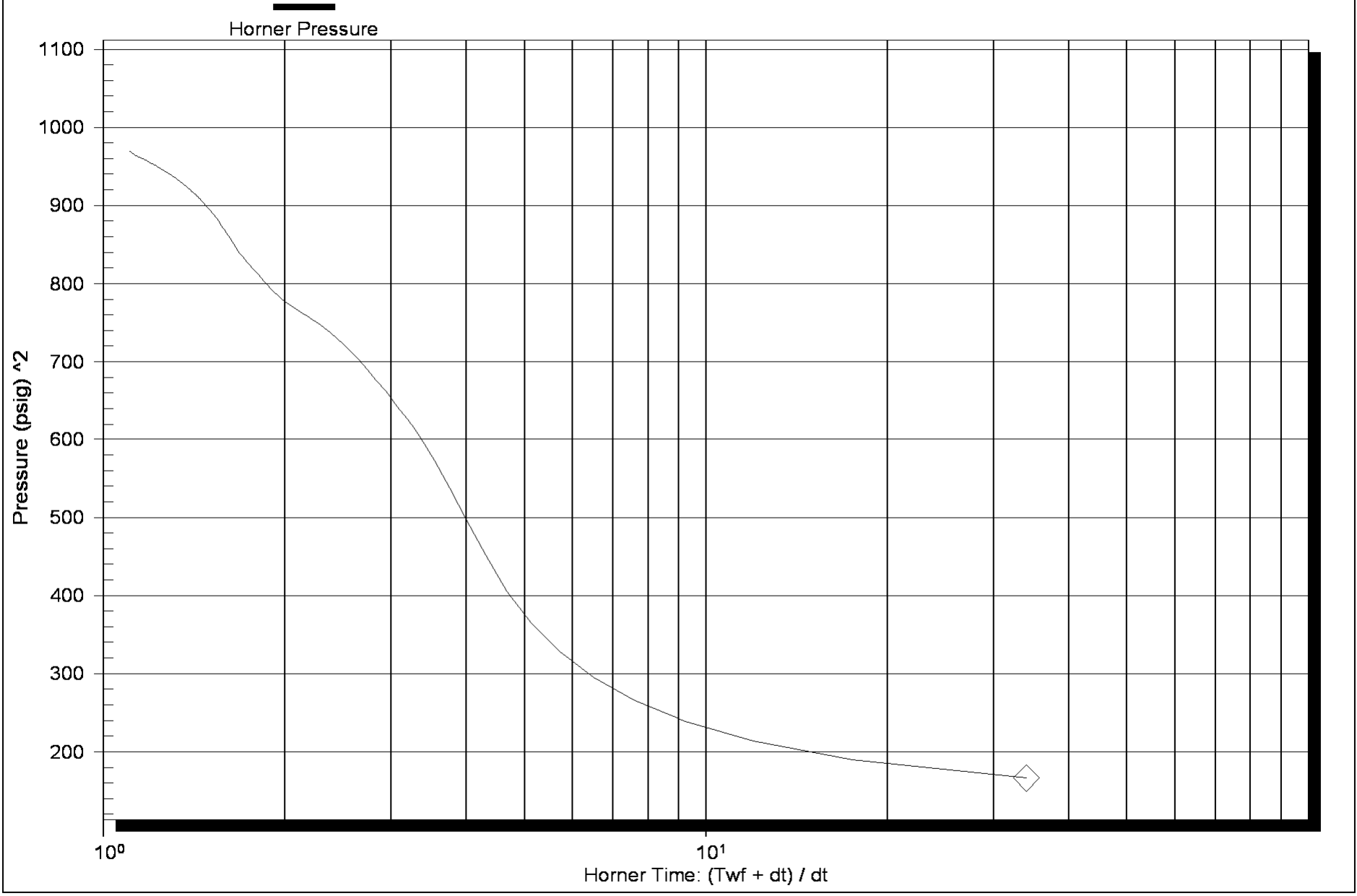
Recovery Comments: Sampler Analysis=Gas=1.8CF Oil=3200ML Pressure=700LBS



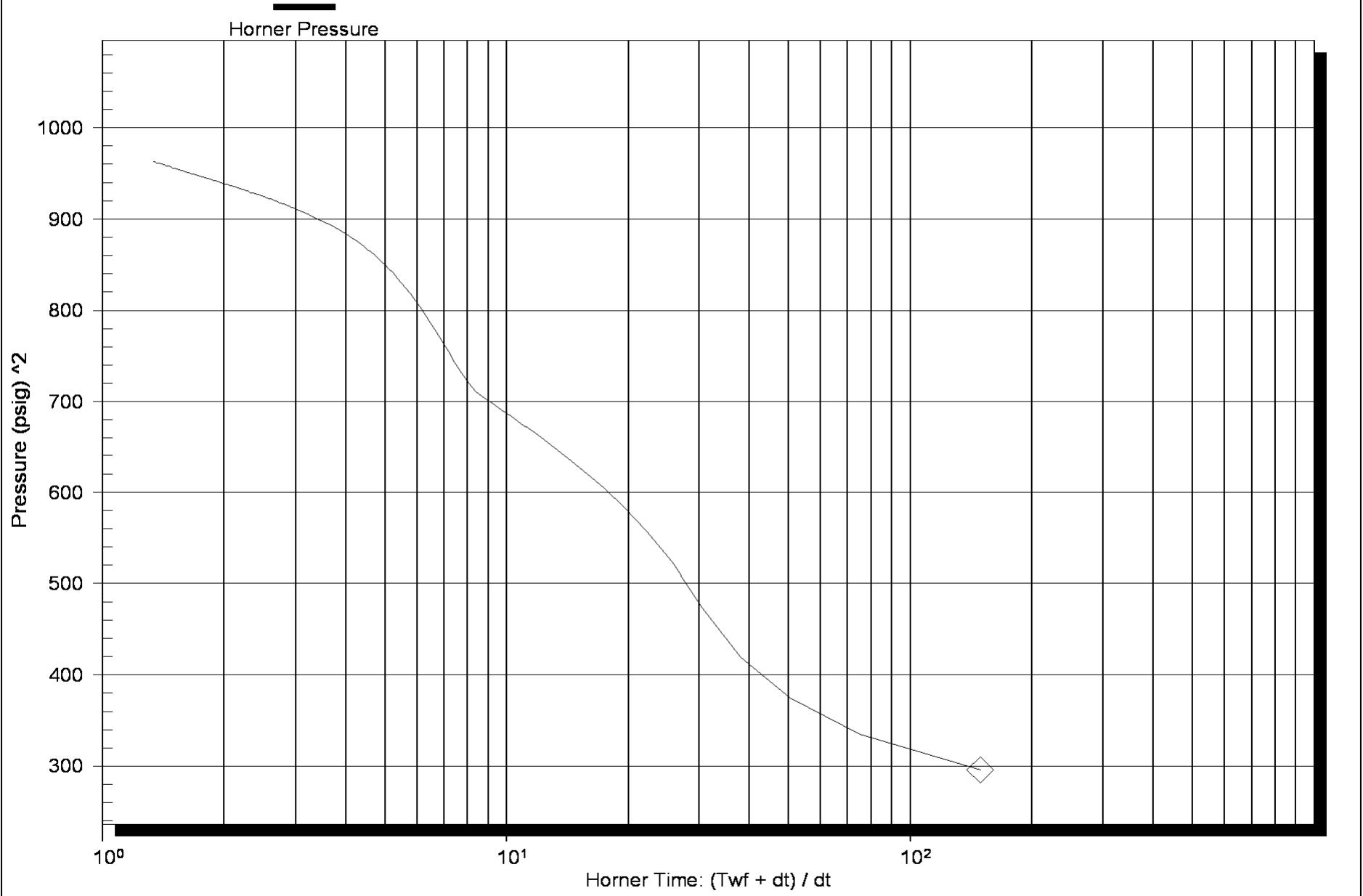




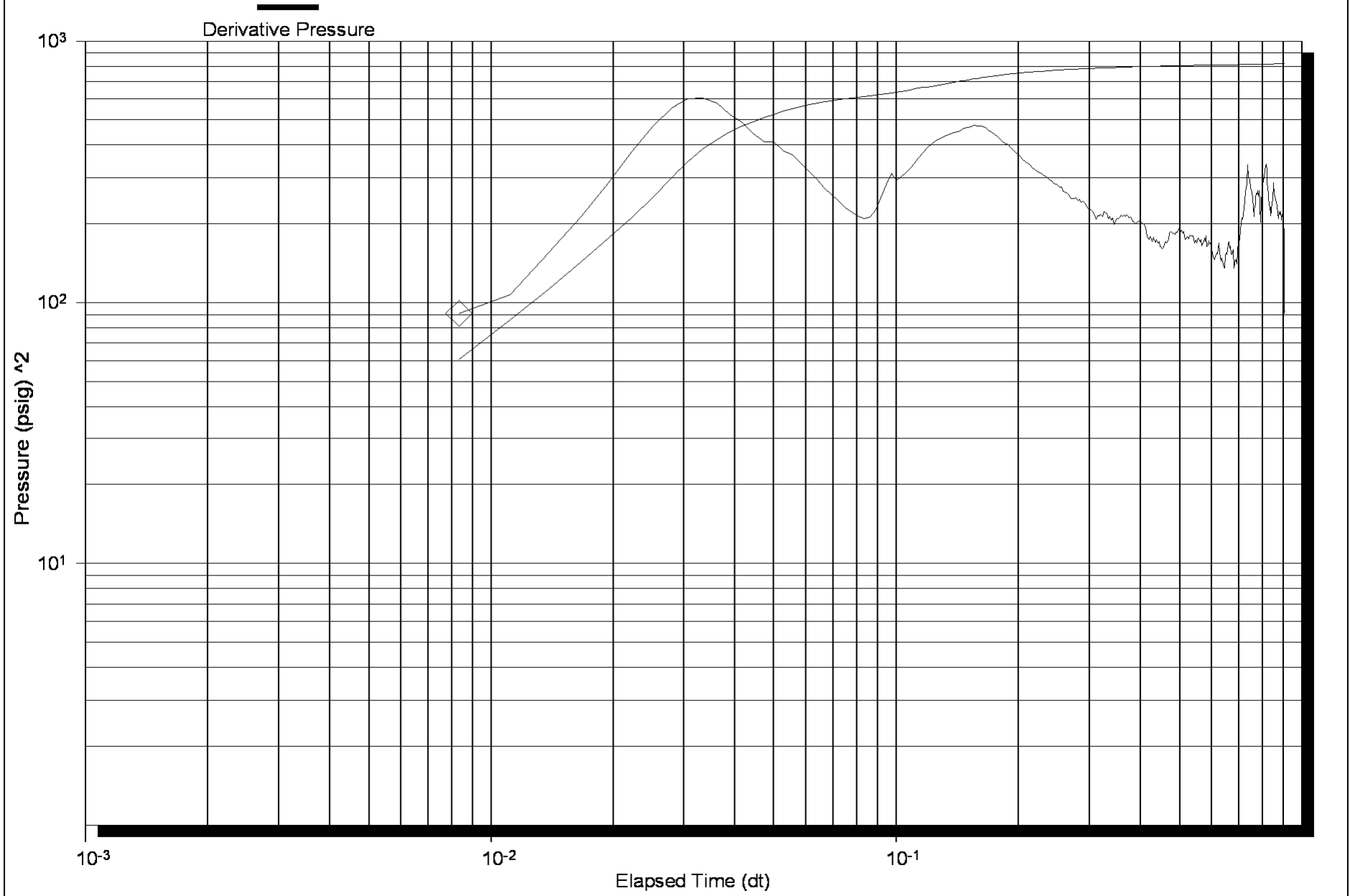
# Horner Plot



# Horner Plot

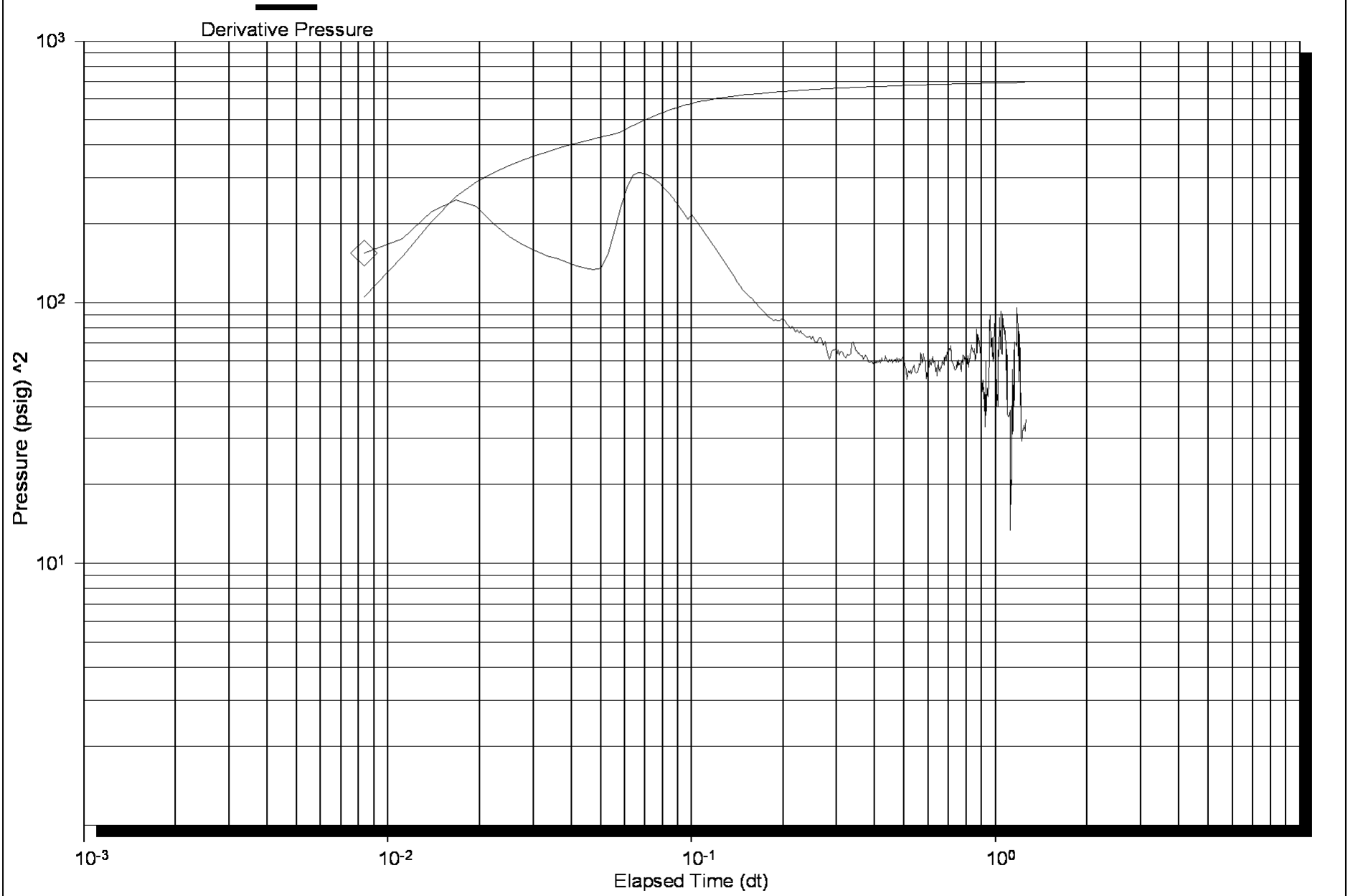


### Log-Log and Pseudo-Derivative





# Log-Log and Pseudo-Derivative





## DRILL STEM TEST REPORT

Prepared For: **Sam Gary & assoc.inc.**

1515 Wynkoop  
STE 700  
Denver Co. 80202

ATTN: Clsyton Camozzi

**36-15s-16w Ellis**

**B.W.1-36**

Start Date: 2010.11.22 @ 08:20:05

End Date: 2010.11.22 @ 15:44:39

Job Ticket #: 039988                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary & assoc.inc.

**B.W.1-36**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**36-15s-16w Ellis**

Job Ticket: 039988 **DST#: 2**

Test Start: 2010.11.22 @ 08:20:05

## GENERAL INFORMATION:

Formation: **Lansing "F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:15:00

Time Test Ended: 15:44:39

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 31

**Interval: 3240.00 ft (KB) To 3290.00 ft (KB) (TVD)**

Reference Elevations: 1914.00 ft (KB)

Total Depth: 3290.00 ft (KB) (TVD)

1906.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8352 Outside**

Press @ Run Depth: 73.77 psig @ 3244.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.22 End Date: 2010.11.22

Last Calib.: 2010.11.22

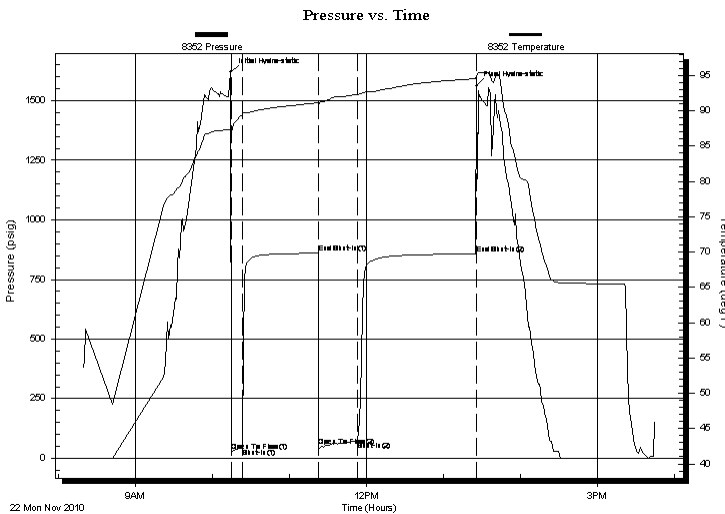
Start Time: 08:20:05 End Time: 15:44:40

Time On Btm: 2010.11.22 @ 10:14:40

Time Off Btm: 2010.11.22 @ 13:26:09

**TEST COMMENT:** IF: Fair 3.5 inch blow  
IS: No Return  
FF: Fair 3.5 inch blow  
FS: No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1618.31	87.47	Initial Hydro-static
1	27.53	86.76	Open To Flow (1)
10	43.15	89.46	Shut-In(1)
69	860.21	91.14	End Shut-In(1)
69	48.82	90.62	Open To Flow (2)
99	73.77	92.29	Shut-In(2)
192	856.13	94.58	End Shut-In(2)
192	1561.28	94.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
118.00	SOSGM	1.37
0.00	GIP=434ft	0.00

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



**TRILOBITE**  
**TESTING, INC**

**DRILL STEM TEST REPORT**

Sam Gary & assoc.inc.  
1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**B.W.1-36**  
**36-15s-16w Ellis**  
Job Ticket: 039988 **DST#: 2**  
Test Start: 2010.11.22 @ 08:20:05

**GENERAL INFORMATION:**

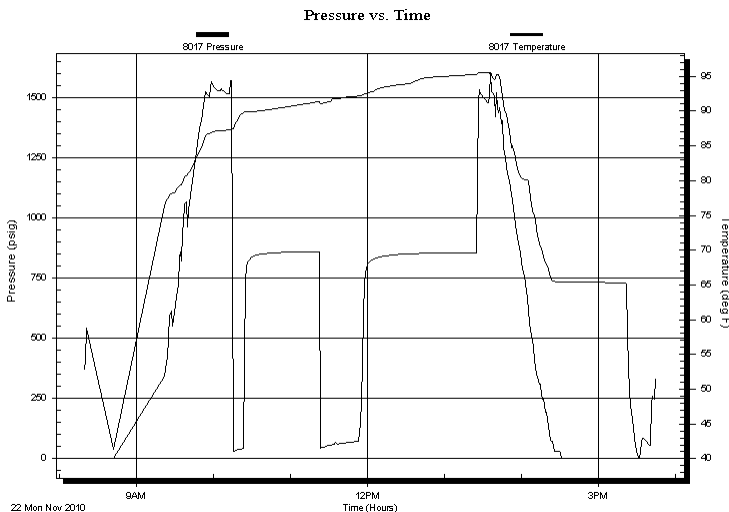
Formation: **Lansing "F-G"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:15:00  
Time Test Ended: 15:44:39  
**Interval: 3240.00 ft (KB) To 3290.00 ft (KB) (TVD)**  
Total Depth: 3290.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Andy Carreira  
Unit No: 31  
Reference Elevations: 1914.00 ft (KB)  
1906.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8017**

**Inside**

Press @ RunDepth: psig @ 3244.00 ft (KB)  
Start Date: 2010.11.22 End Date: 2010.11.22  
Start Time: 08:19:55 End Time: 15:44:40  
Capacity: 8000.00 psig  
Last Calib.: 2010.11.22  
Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: Fair 3.5 inch blow  
IS: No Return  
FF: Fair 3.5 inch blow  
FS: No Return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
118.00	SOSGM	1.37
0.00	GIP=434ft	0.00

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Sam Gary & assoc.inc.

**B.W.1-36**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**36-15s-16w Ellis**

Job Ticket: 039988      **DST#: 2**  
Test Start: 2010.11.22 @ 08:20:05

### GENERAL INFORMATION:

Formation:      **Lansing "F-G"**

Deviated:      No      Whipstock:      ft (KB)

Time Tool Opened: 10:15:00

Time Test Ended: 15:44:39

**Interval: 3240.00 ft (KB) To 3290.00 ft (KB) (TVD)**

Total Depth: 3290.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 31

Reference Elevations: 1914.00 ft (KB)

1906.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8650      Fluid**

Press @ Run Depth:      psig @      3207.00 ft (KB)

Start Date: 2010.11.22      End Date: 2010.11.22

Start Time: 08:20:01      End Time: 15:43:00

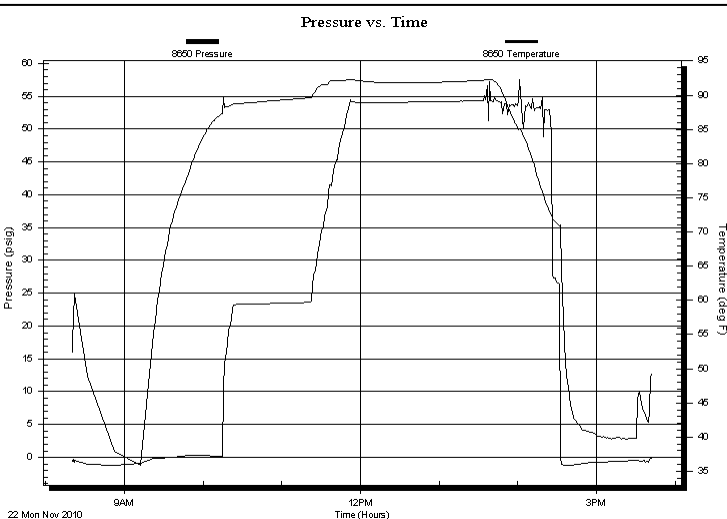
Capacity: 8000.00 psig

Last Calib.: 2010.11.22

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Fair 3.5 inch blow  
IS: No Return  
FF: Fair 3.5 inch blow  
FS: No Return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
118.00	SOSGM	1.37
0.00	GIP=434ft	0.00

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary & assoc.inc.

**B.W.1-36**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**36-15s-16w Ellis**

Job Ticket: 039988

**DST#: 2**

Test Start: 2010.11.22 @ 08:20:05

## Tool Information

Drill Pipe:	Length: 3196.00 ft	Diameter: 3.80 inches	Volume: 44.83 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.81 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 44.98 bbl</u>	Tool Chased	5.00 ft
Drill Pipe Above KB:	19.81 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3240.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8650	Fluid	3207.00	
Blank Spacing	3.00			3210.00	
Shut In Tool	5.00			3215.00	
Sampler	3.00			3218.00	
Hydraulic tool	5.00			3223.00	
Jars	5.00			3228.00	
Safety Joint	3.00			3231.00	
Packer	5.00			3236.00	33.00 Bottom Of Top Packer
Packer	4.00			3240.00	
Stubb	1.00			3241.00	
Perforations	2.00			3243.00	
Change Over Sub	1.00			3244.00	
Recorder	0.00	8017	Inside	3244.00	
Recorder	0.00	8352	Outside	3244.00	
Drill Pipe	31.00			3275.00	
Change Over Sub	1.00			3276.00	
Perforations	11.00			3287.00	
Bullnose	3.00			3290.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 83.00**



**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Sam Gary & assoc.inc.

**B.W.1-36**

1515 Wynkoop  
STE 700  
Denver Co. 80202  
ATTN: Csyton Camozzi

**36-15s-16w Ellis**

Job Ticket: 039988

**DST#: 2**

Test Start: 2010.11.22 @ 08:20:05

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 8.79 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5400.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	SOSGM	1.375
0.00	GIP=434ft	0.000

Total Length: 118.00 ft      Total Volume: 1.375 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

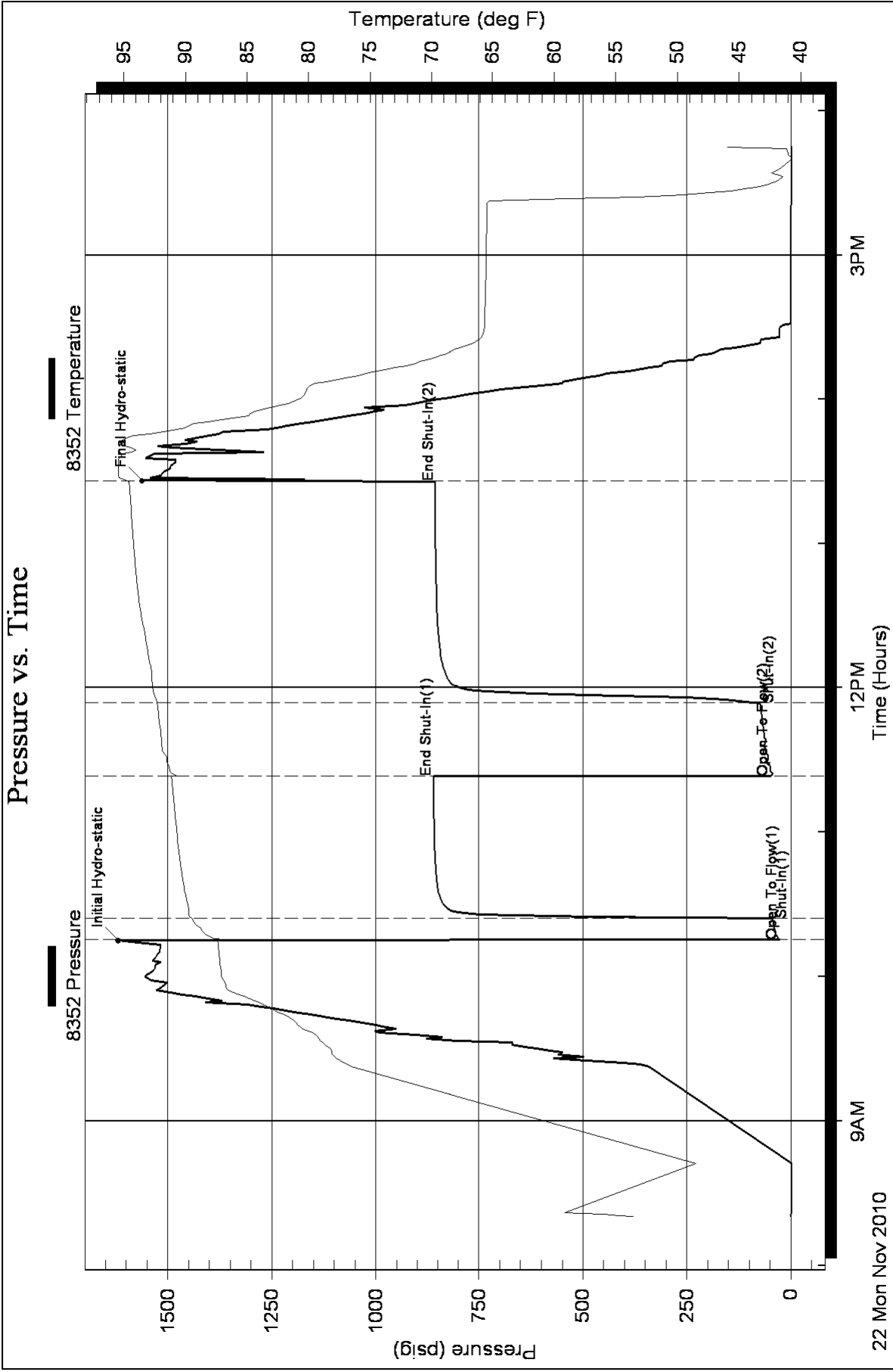
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Analysis= Gas=One Eighth CF, Mud=1000 ML  
Pressure= 35lbs

# Pressure vs. Time





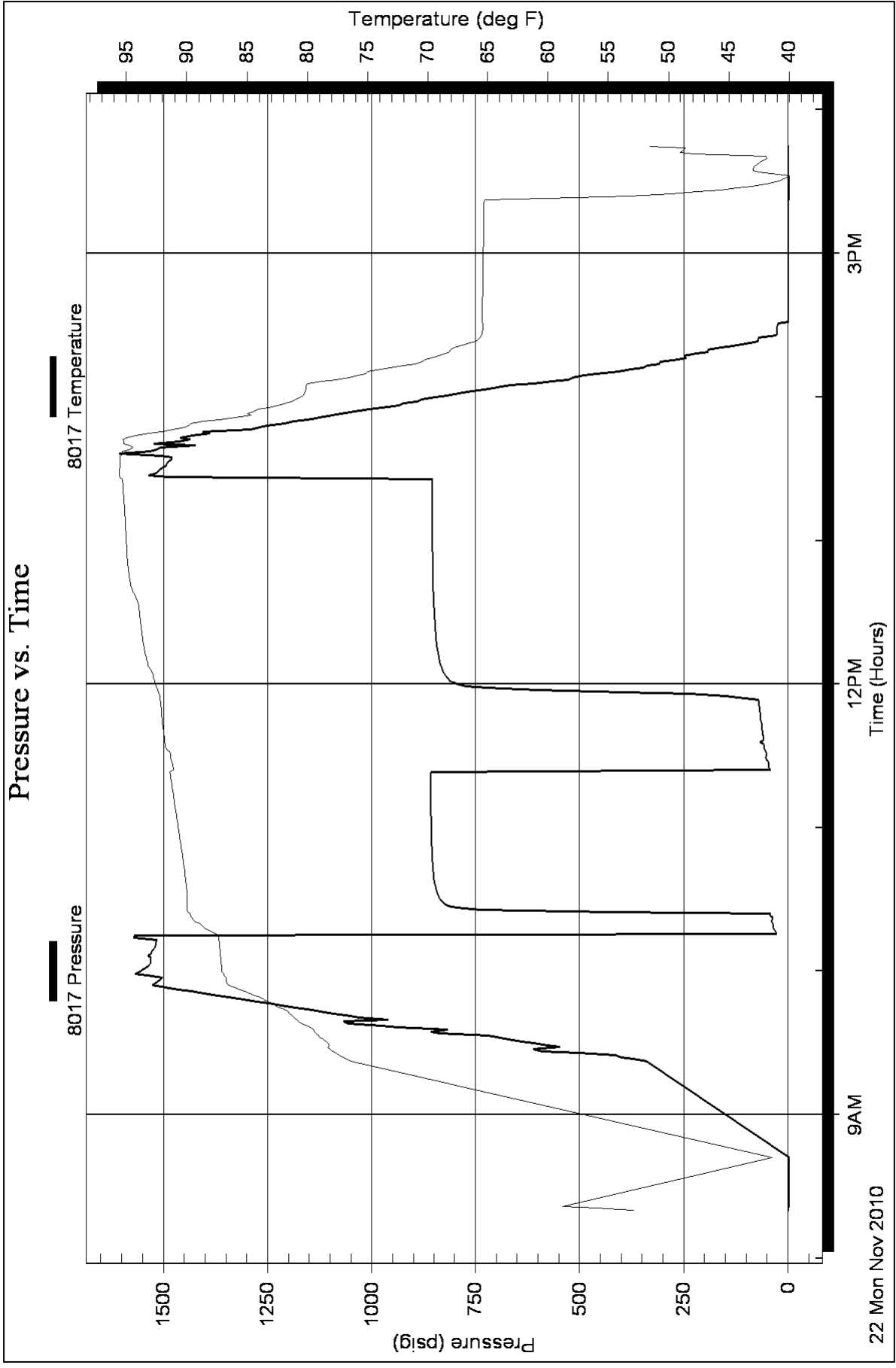
Serial #: 8017

Inside

Sam Gary & assoc.inc.

36-15s-16w Ellis

DST Test Number: 2



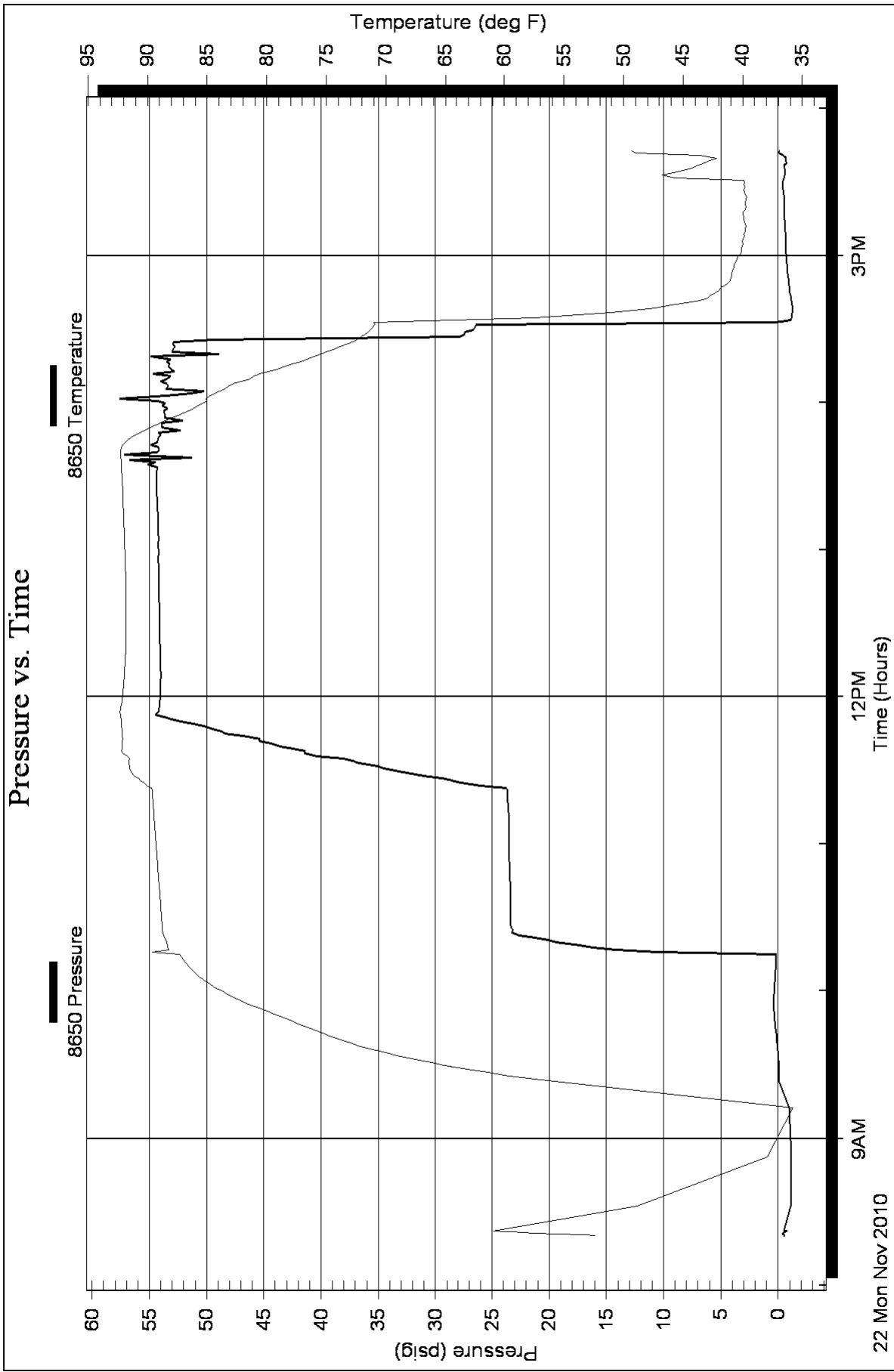
Serial #: 8650

Fluid

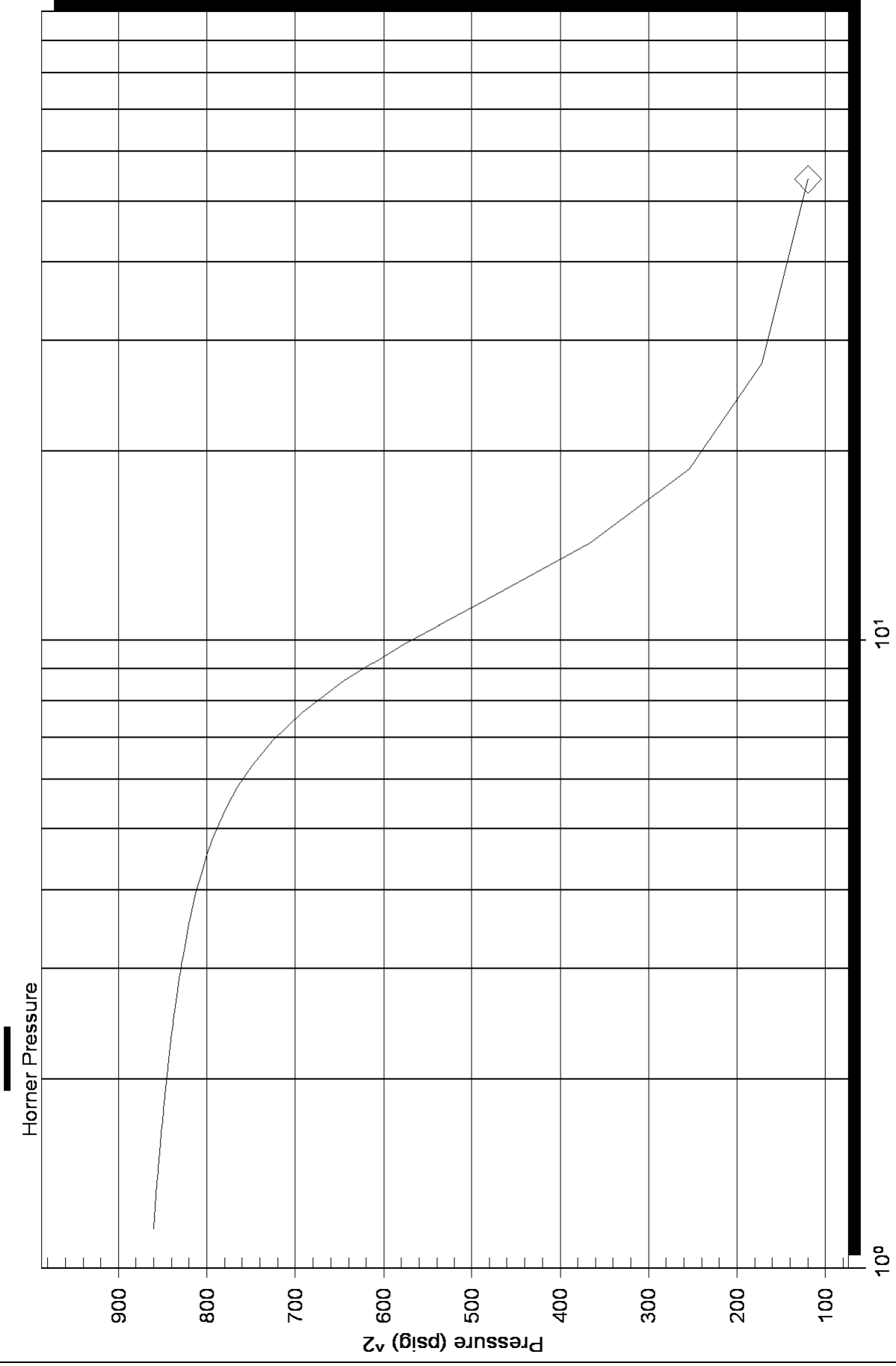
Sam Gary & assoc.inc.

36-15s-16w Ellis

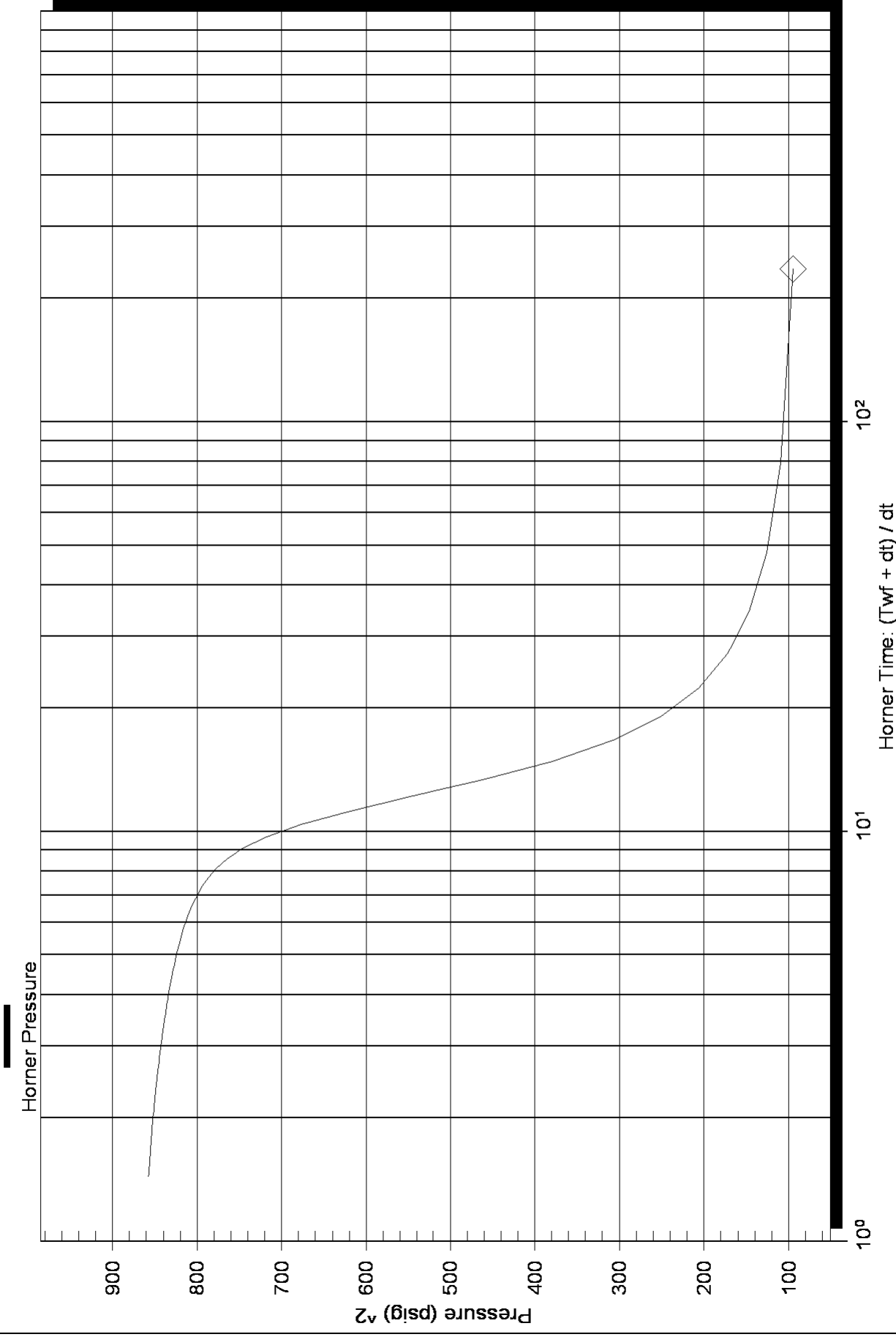
DST Test Number: 2



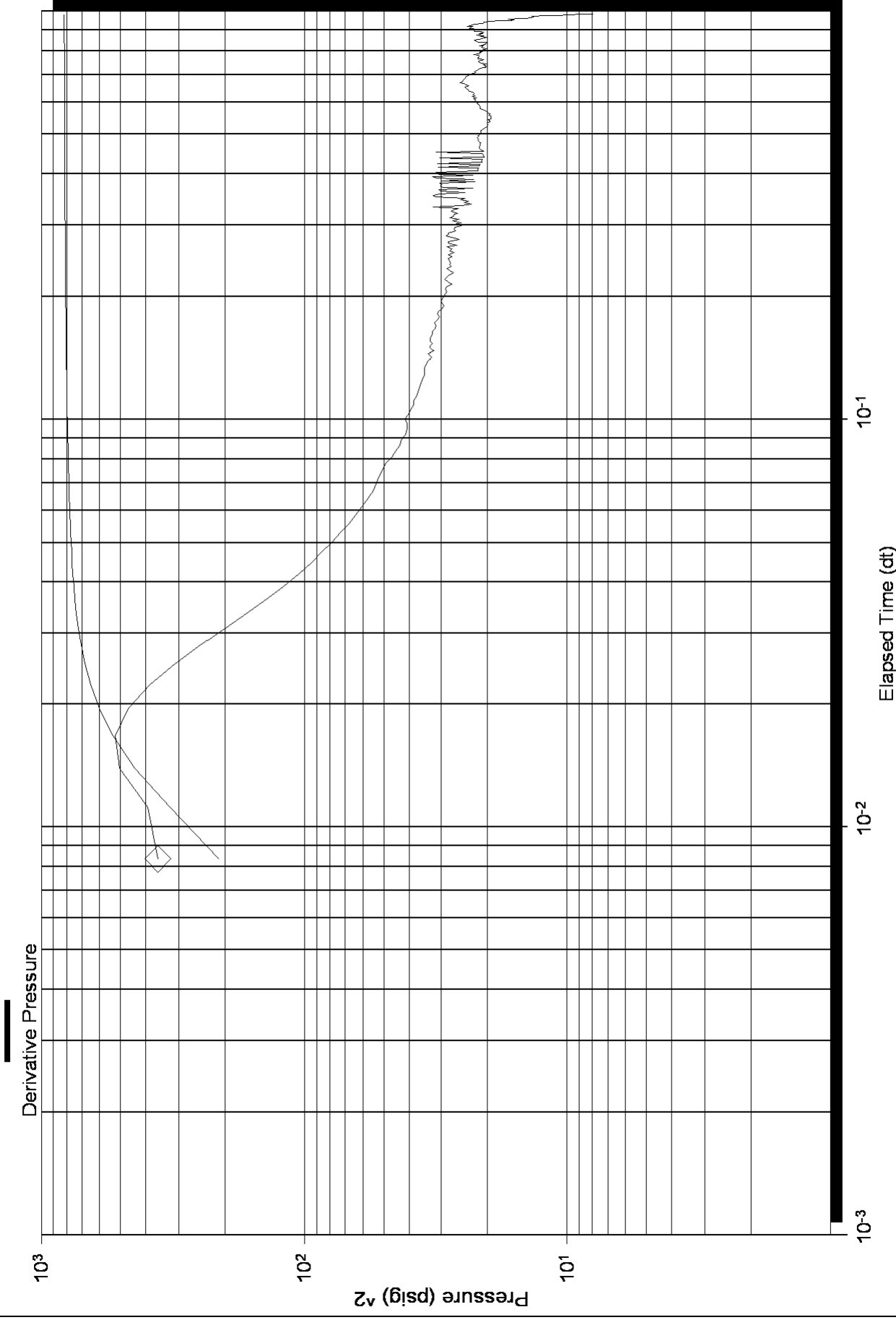
### Homer Plot



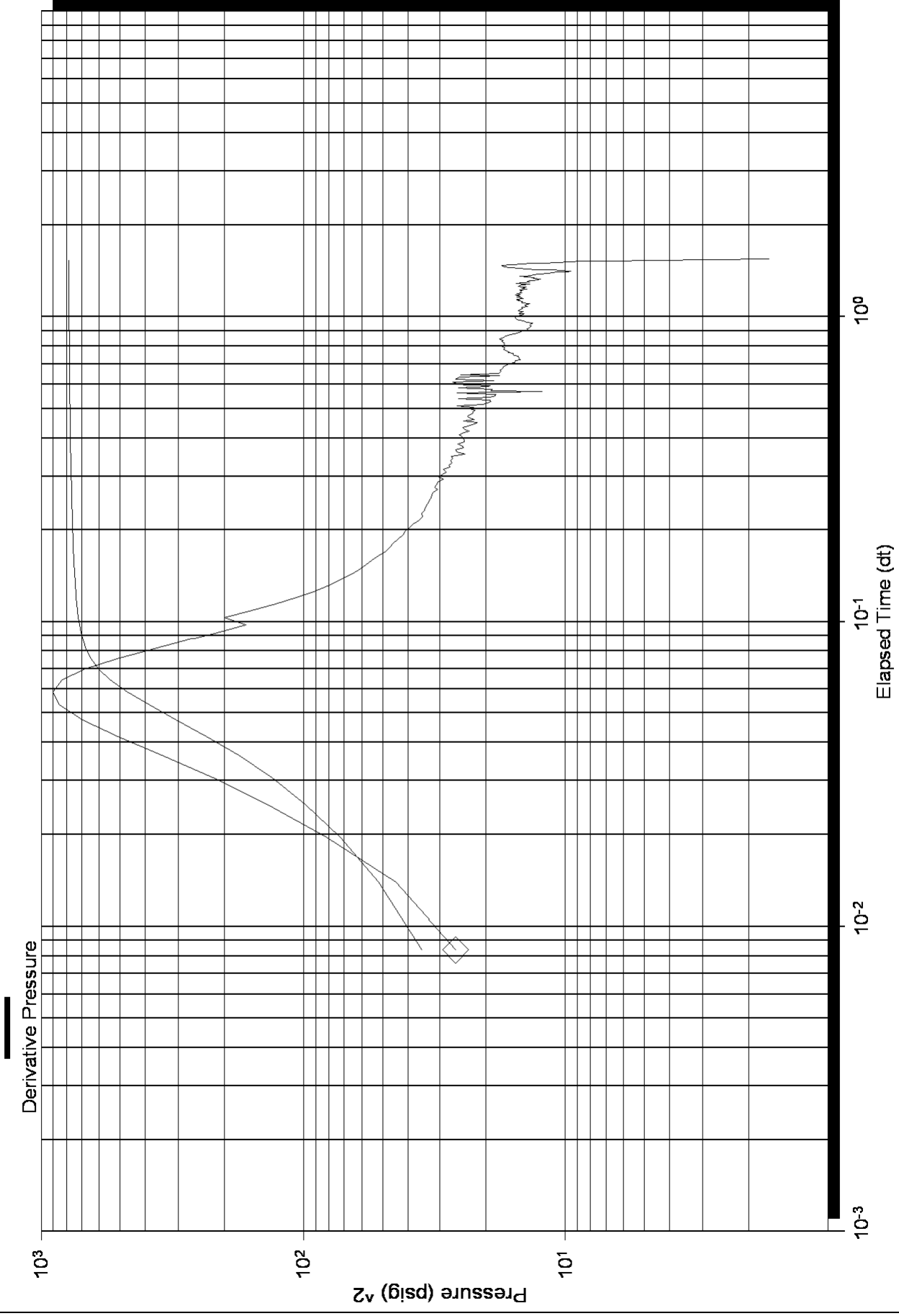
### Homer Plot



# Log-Log and Pseudo-Derivative



# Log-Log and Pseudo-Derivative





Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: B.W. 1-36  
Location: SEC 36, 15S, 16W, Rush, Kansas  
License Number: 15-051-26048-0000  
Spud Date: 11/18/2010  
Surface Coordinates: 135' FSL & 430' FEL  
Region: Wildcat  
Drilling Completed: 11/24/2010

Bottom Hole Coordinates:

Ground Elevation (ft): 1906'                      K.B. Elevation (ft): 1914'  
Logged Interval (ft): 1762'              To: 3570'              Total Depth (ft): 3570'  
Formation: Lansing, Arbuckle  
Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

OPERATOR

Company: Samuel Gary Jr, & Assoc.  
Address: 1515 Wykoop, Ste. # 700  
Denver, Colo. 80202  
Geo: Clayton Camozzi

GEOLOGIST

Name: Rodney Napier  
Company: Earth Tech OGL, Inc.  
Address: PO Box 683  
Hooker, Okla . 73945  
Off. 888-543-8378 Cell: 620-282-8377

## Circulating Report

UNMANNED UNIT STARTED 11/19/2010  
 START 24 HR MANNED UNIT  
 CFS/CTCH 3190' 20,40,60 TOTAL 1.5 HRS  
 CFS 3216' 20,40,60  
 DST #1  
 CTCH 1 HR  
 CFS 3273' 20,40,60  
 CFS 3290' 20,40,60  
 DST#2  
 CTCH 1 HR  
 CFS 3344'  
 TOH FOR CORE TOOL  
 COMMENCE CORING 2:46 AM 11/23/2010  
 CORING COMPLETED 3404' 7:04 PM 11/23/2010  
 RTN TO DRILLING 2'30 AM 11/24/2010  
 TD 3570' 8:36 AM 11/24/2010  
 CFS/CTCH 20,40,60 TOTAL 1.5 HRS  
 TOH FOR LOGS  
 LOGS BY WEATHERFORD LIBERAL KS.


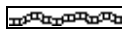
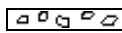

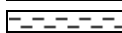



### DST's Report





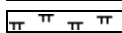
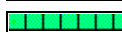
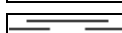
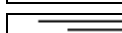
DST #1 3152'-3216' IF: BOB 30 SEC, IS: BLOW BACK 1/2 INCH, FF: BOB IMMEDIATELY GTS 18 MIN TSTM, FS: BLOW BACK 1/2 INCH, 727' CGO % GAS, REC FEET 727, BHT 98, GRAVITY 47, IH 1510, FIF 136, FFF 152, ISI 970, SIF 199, SFF 269, FSI 962, FH 1452, 5,60,20,70

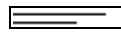


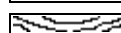
### DST's Report







DST#2 3240'-3290' ANCHOR: 50' IF:3.5 IN BLOW,IS:NO RTN,FF:FAIR BLOW 3.5 IN BLOW,FS:NO RTN RECOVERY: 434' GIP,118' SOSGM TOTAL 118' BHT 94 DEG  
 IH:1618,FIF:27,FFF:43,ISI:860,SIF:48 SFF: 73, FSI:856', FH:1561, TIMES:8,60,30,90

### ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Slst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Slstn
	Shlyslts
	Sltysh
	Lms



### ACCESSORIES

- MINERAL**
- Anhy
  - Arggrn
  - Arg
  - Bent
  - Bit
  - Breclfrag
  - Calc
  - Carb
  - Chtdk
  - Chtlit
  - Dol
  - Feldspar
  - Ferrpel
  - Ferr
  - Glau
  - Gyp
  - Hvymin
  - Kaol
  - Marl
  - Minxl
  - Nodule
  - Phos
  - Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sity

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

- FOSSIL**
- Algae
  - Amph
  - Belm
  - Bioclst
  - Brach
  - Bryozoa
  - Cephal
  - Coral
  - Crin
  - Echin
  - Fish
  - Foram

- STRINGER**
- Anhy
  - Arg
  - Bent
  - Coal
  - Dol
  - Gyp
  - Ls
  - Mrst
  - Sltstrg
  - Ssstrg
  - Carbsh

- TEXTURE**
- Boundst
  - Chalky
  - Cryxln
  - Earthy
  - Finexln
  - Grainst
  - Lithogr
  - Microxln
  - Mudst
  - Packst
  - Wackest

### OTHER SYMBOLS

- POROSITY TYPE**
- Earthy
  - Fenest
  - Fracture
  - Inter
  - Moldic
  - Organic
  - Pinpoint
  - Vuggy

- SORTING**
- Well
  - Moderate
  - Poor

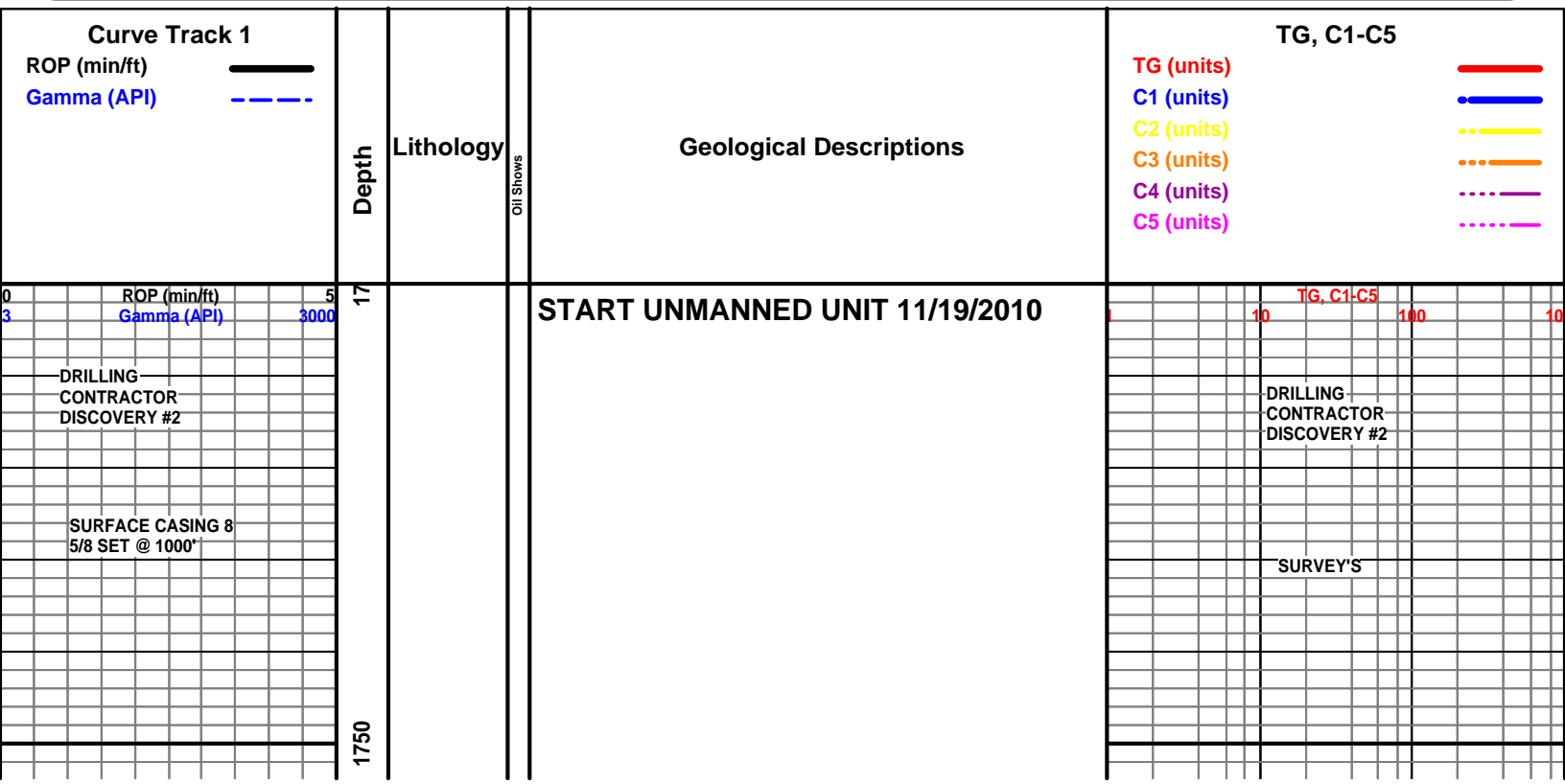
- Angular

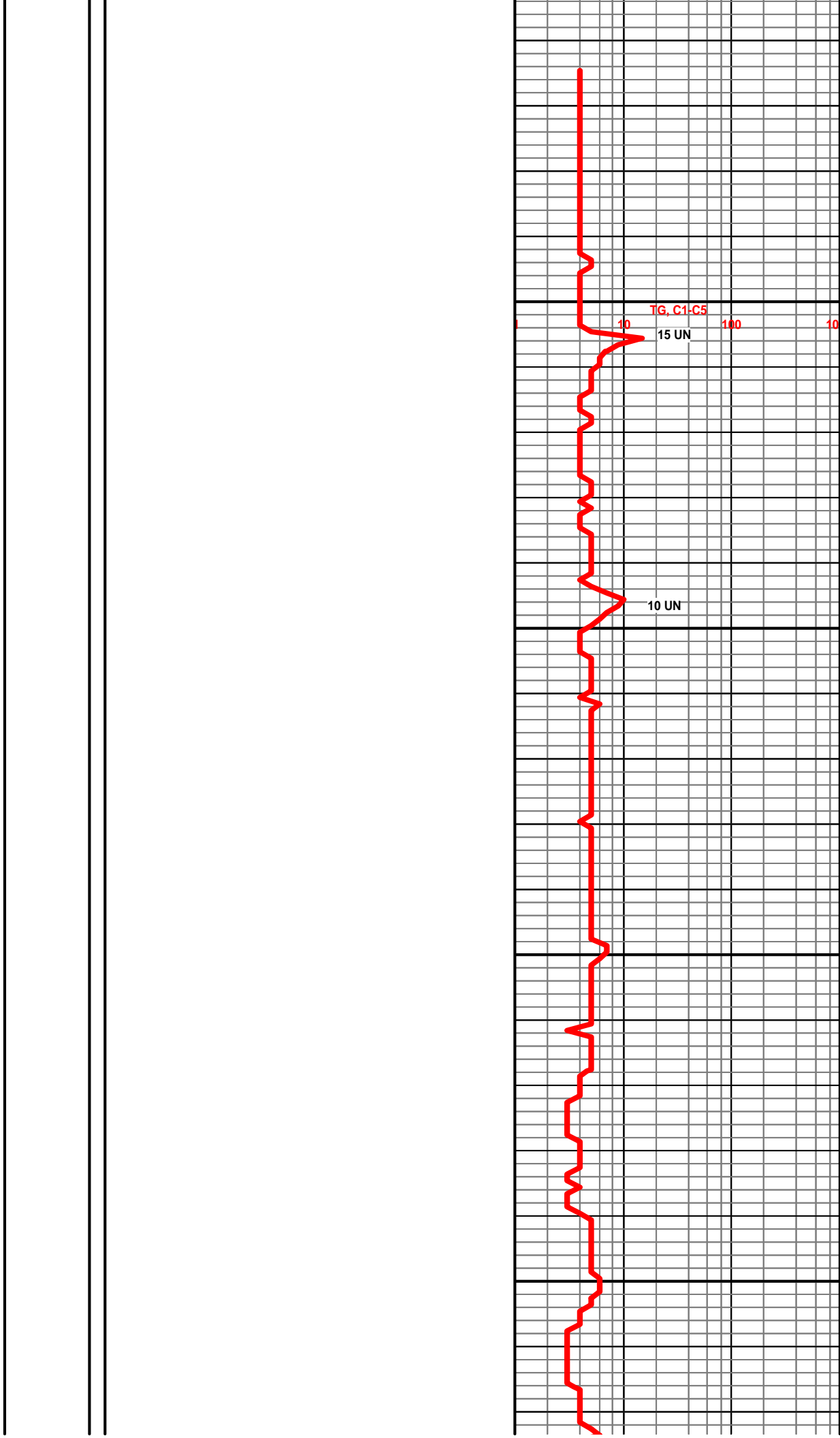
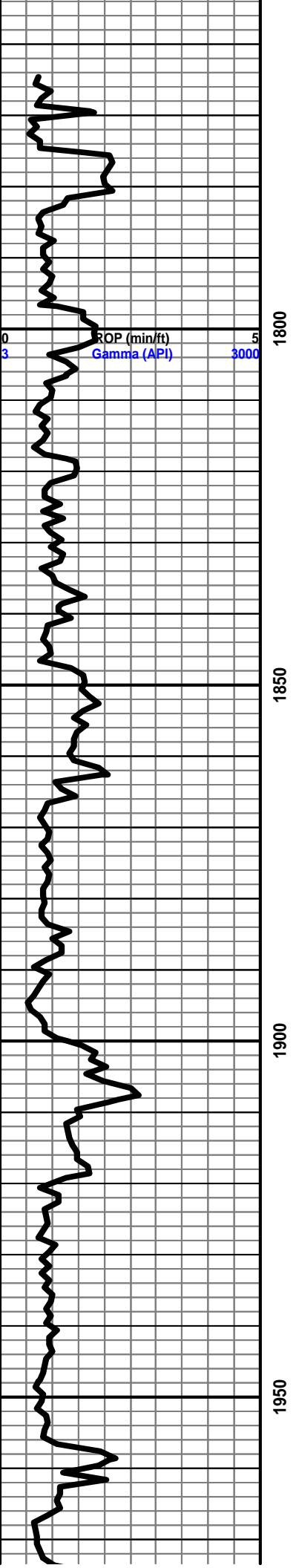
- INTERVALS**
- Core
  - Dst
  - Dst

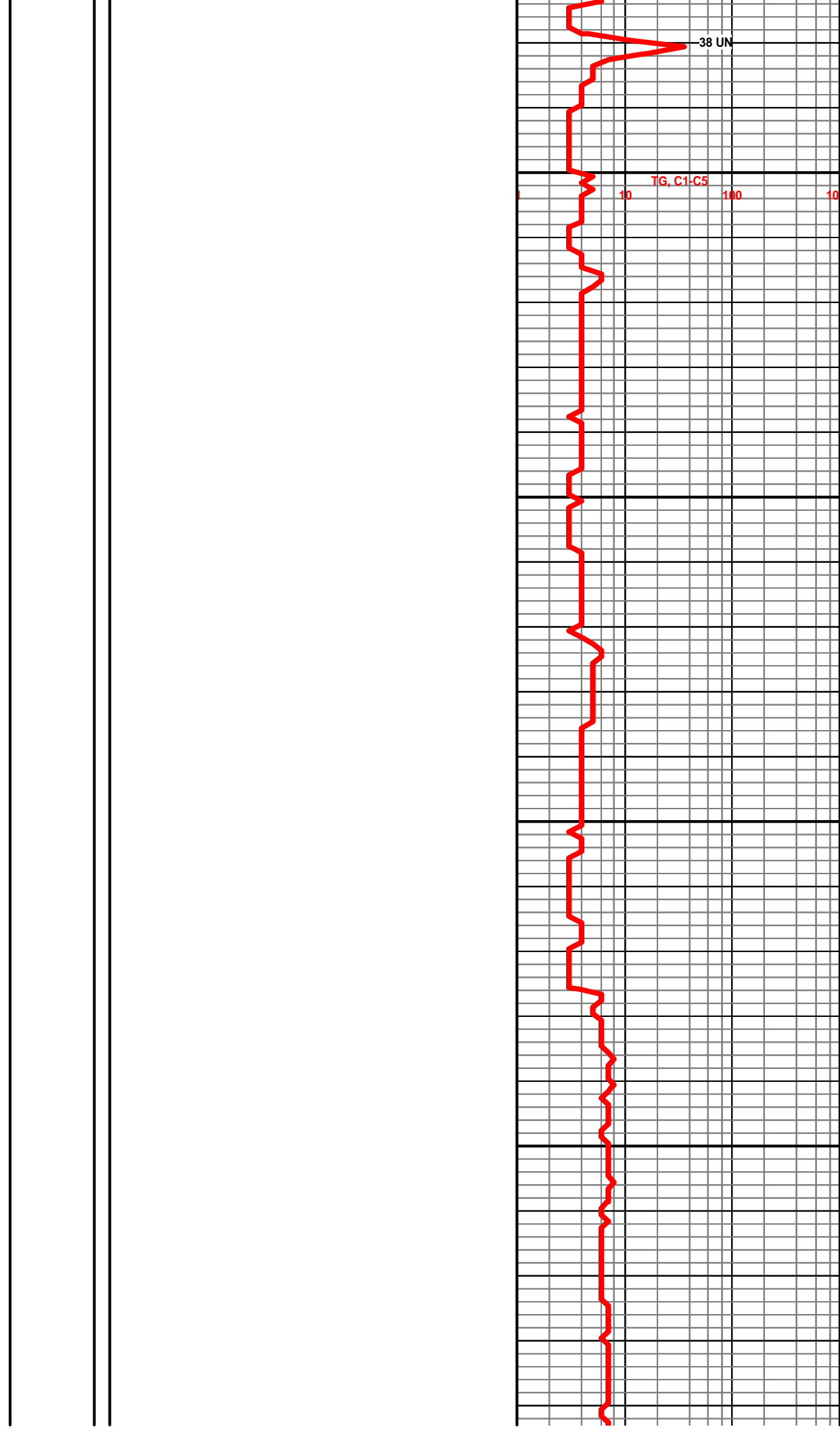
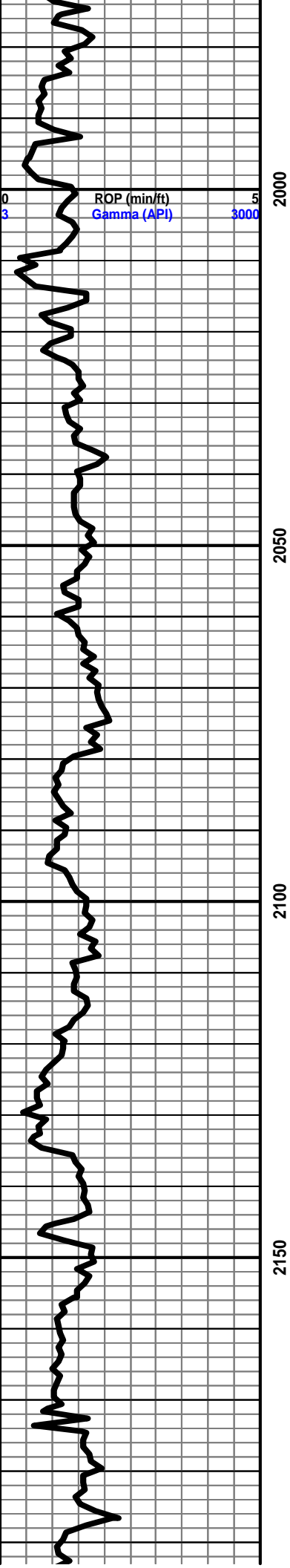
- ROUNDING**
- Rounded
  - Subrnd
  - Subang

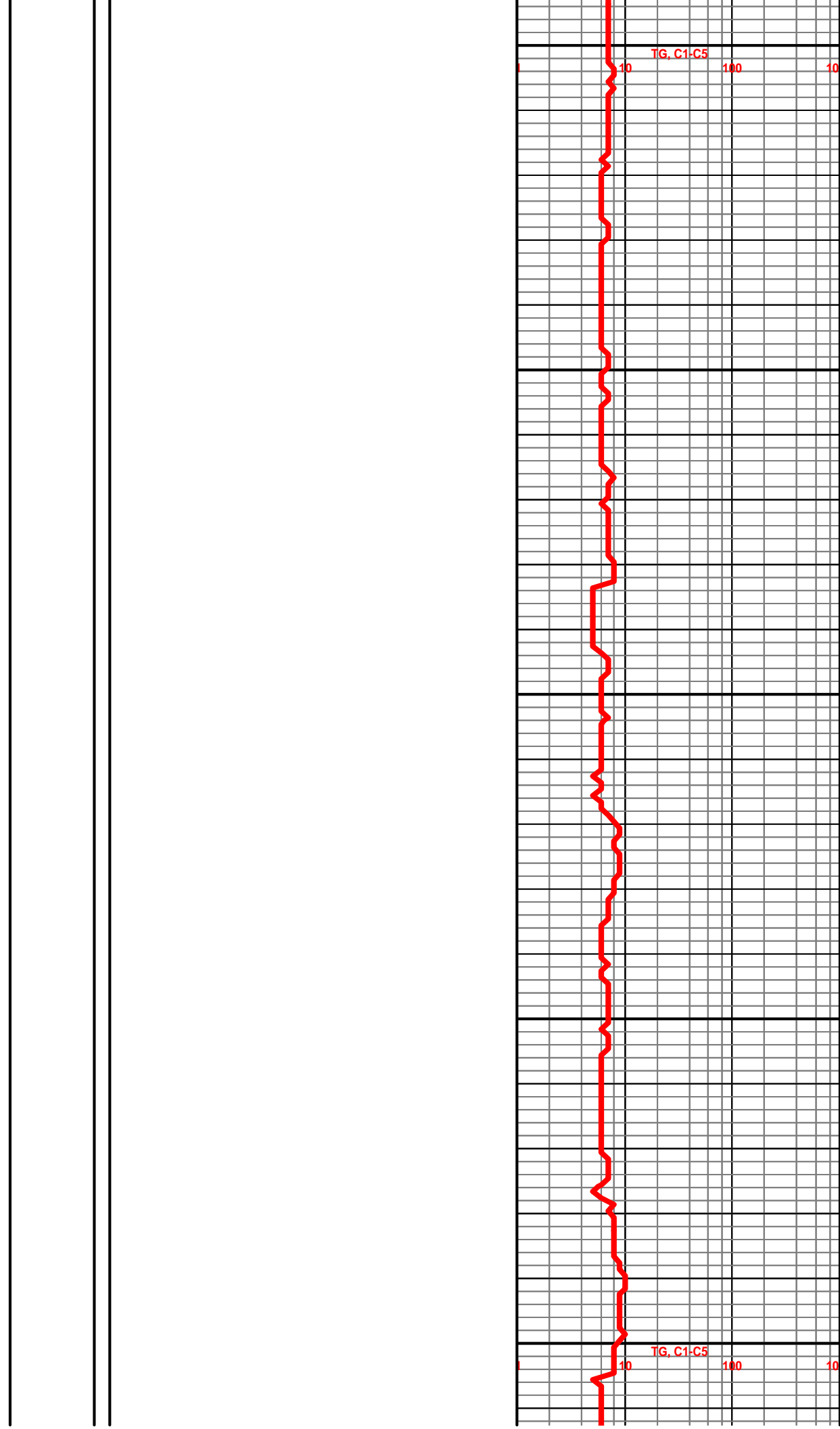
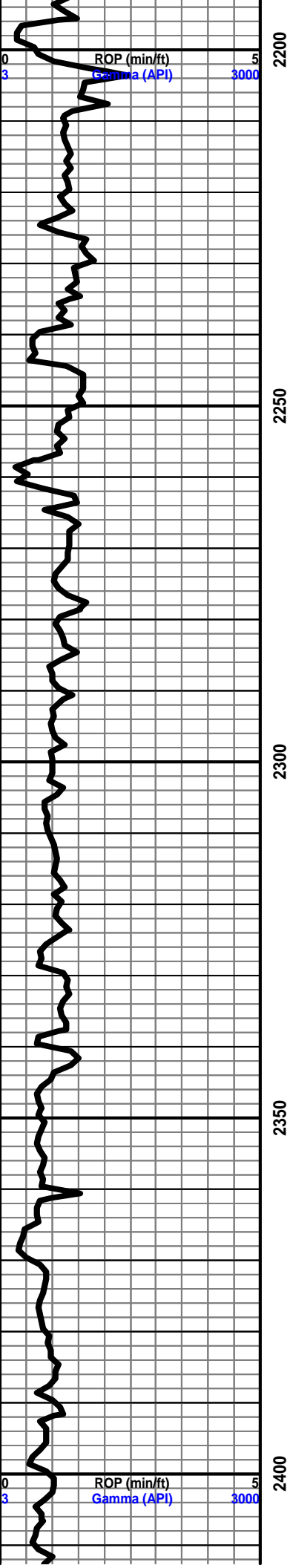
- OIL SHOWS**
- Even
  - Spotted
  - Ques
  - Dead
  - Gas show

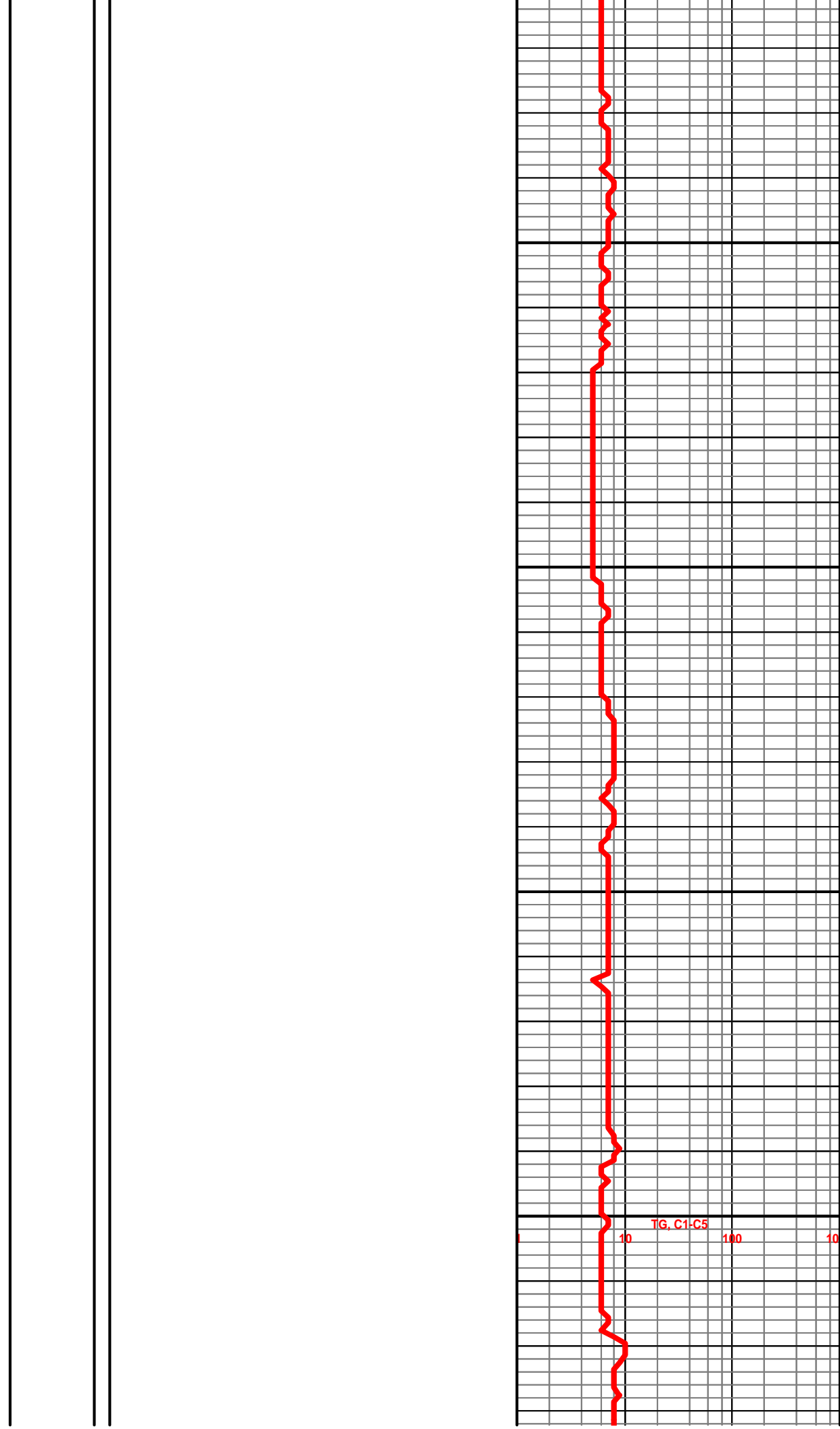
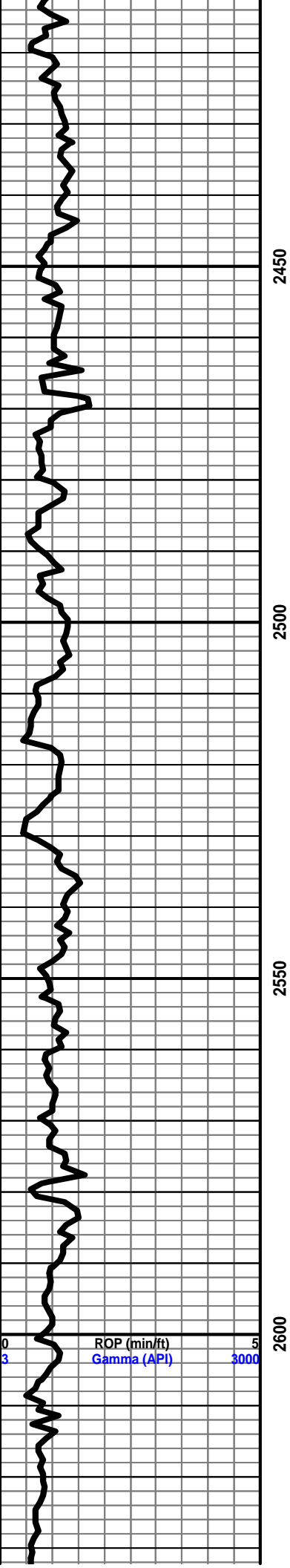
- EVENTS**
- Rft
  - Sidewall



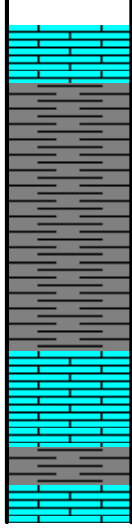
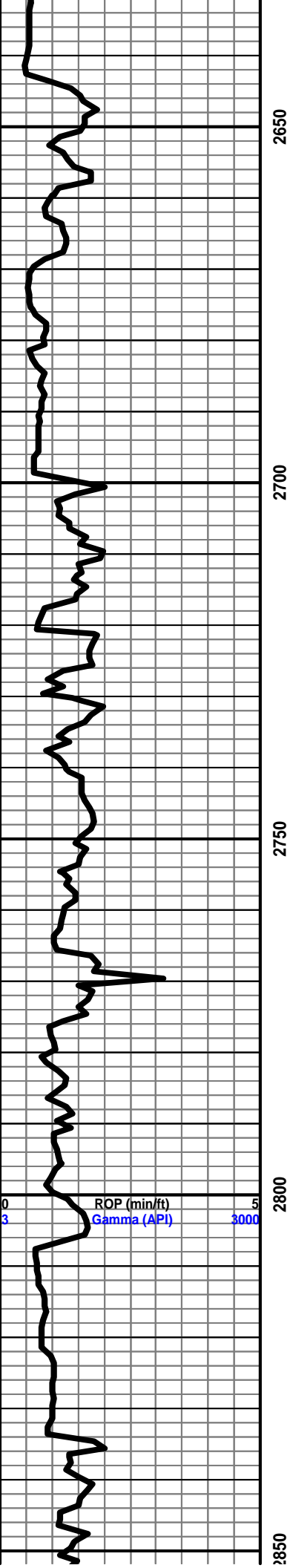








BASE ROOT SHALE 2643' -729'

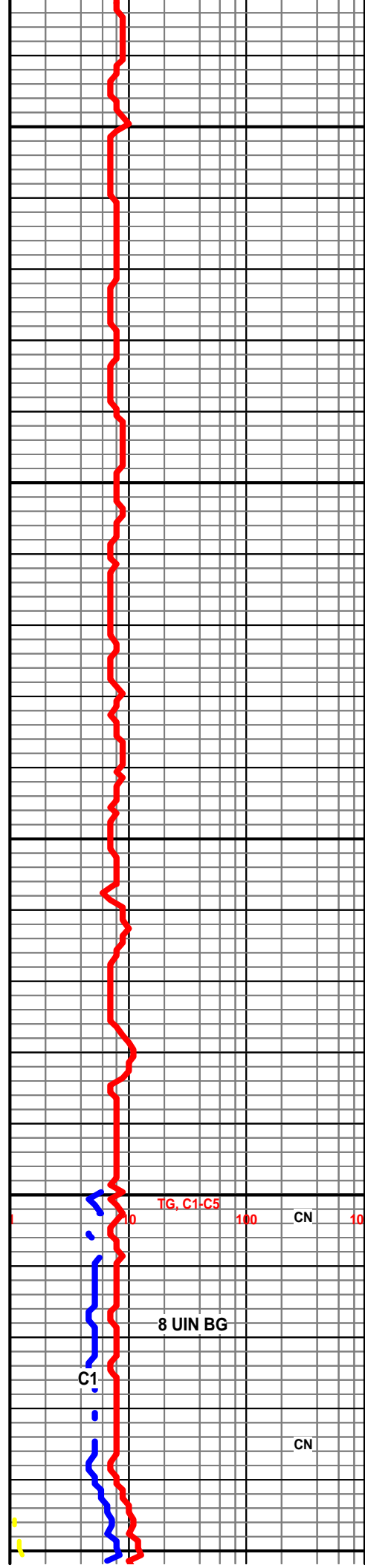


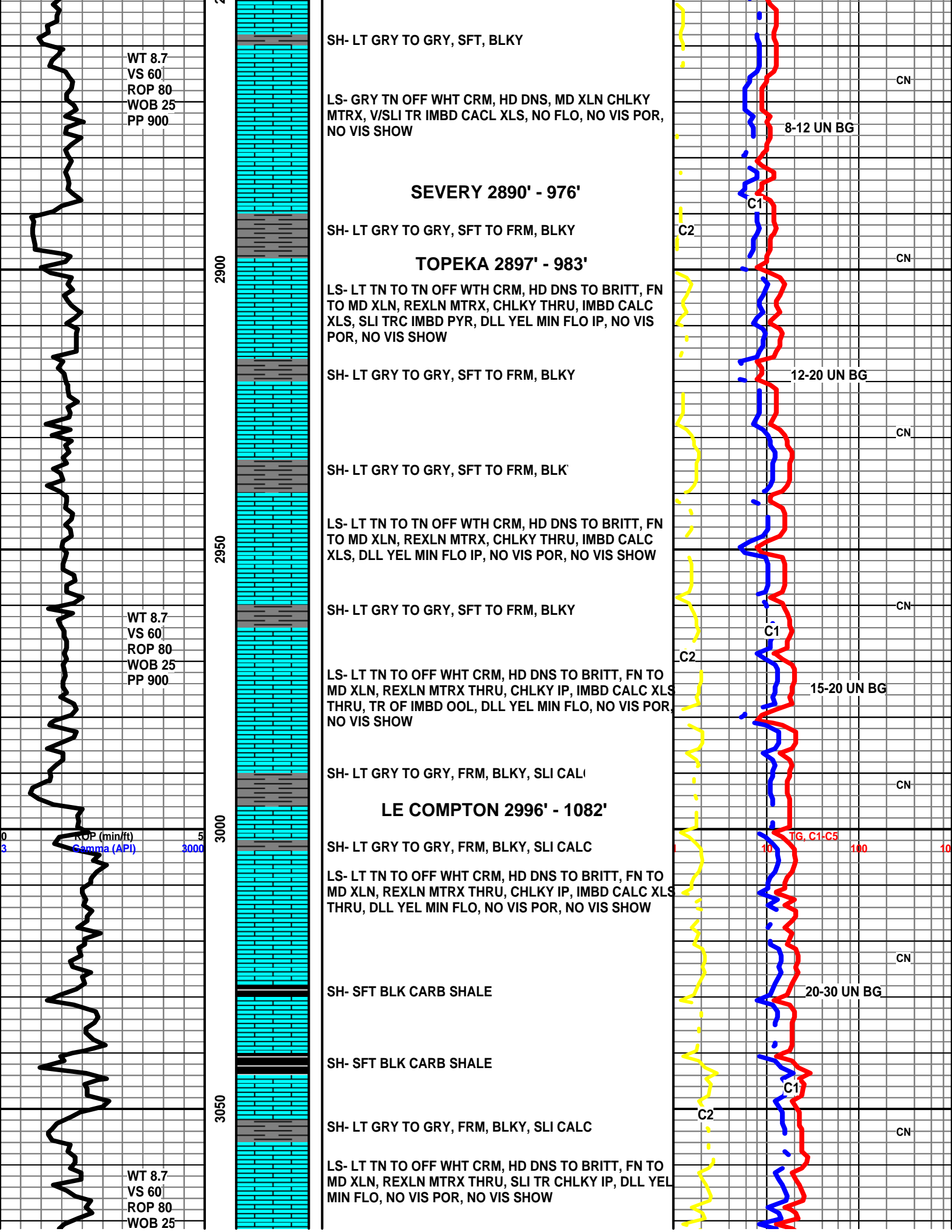
START ONE MAN UNIT 11/20/2010

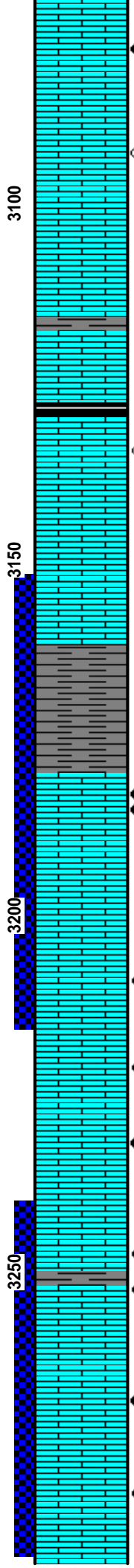
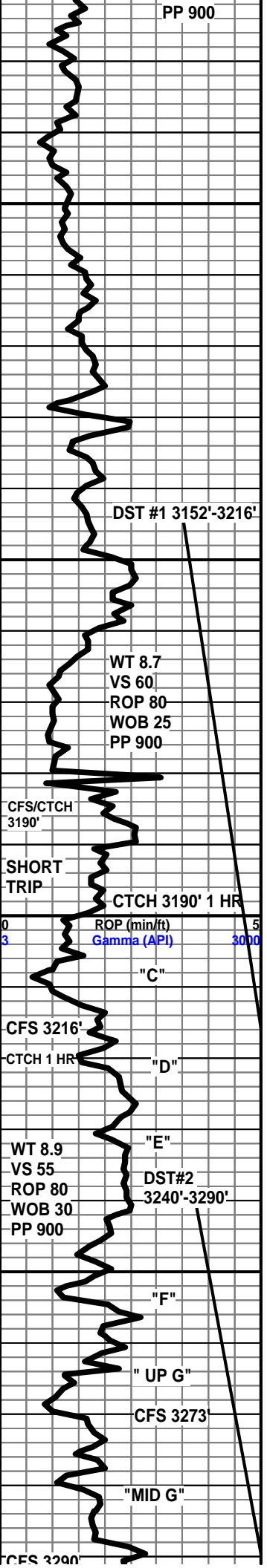
SH- GRY TO LT GRY, SFT, BLKY

HOWARD 2834' - 920'

LS- GRY TN OFF WHT CRM, SFT TO HD DNS, MD XLN  
CHLKY MTRX, SLI TRC IMBD FOSS FRAGS, V/SLI TR  
IMBD CACL XLS, NO FLO, NO VIS POR, NO VIS SHO







LS- LT TN TO TN CRM OIL STN OF 20%, HD DNS BRITT, FN XLN, REXLN MTRX, IMBD CALC XLS, IMBD GRN SHALE IP, IMBD GLUAC IP, DEAD OIL STAIN OF 10%, DLL TO GLD YEL FLO, MICRO PP TO POS FRAC POR, INST FLUSH CUT, TO SLOW BLUE STRM CUT, STN ON DISH, FR TO GD OIL ODER

LS- LT TN TO TN CRM OIL STN OF 25%, HD DNS BRITT, FN XLN, REXLN MTRX, IMBD CALC XLS, DEAD OIL STAIN OF 10%, DLL TO GLD YEL FLO, MICRO PP TO POS FRAC POR, INST FLUSH CUT, TO SLOW BLUE STRM CUT, STN ON DISH, FR TO GD OIL ODER

**HEEBNER 3128' - 1214'**  
SH- SFT BLK CARB SHALE

LS- CRM OFF WHT LT TN TO TN DUE TO OIL STAIN, HD DNS TO BRITT IP, V/FN TO FN XLN, REXLN MTRX THRU, IMBD OOL IP, IMBD GRN SHALE, CALC XLS IP, TR OF CHLK IP, IMBD PYR, DEAD OIL STAIN 15%, DLL TO GLD YEL FLO, V/SLI TR OF FRAC POR, MICRO PP POR, FR T GD FLUSH CUT, GD SLOW BLUE STRM CUT, FR OIL ODER

**DOUGLAS 3159' - 1245'**  
SH- LT GRY TO GRY, FRM, BLKY

**LANSING 3180' - 1266'**

LS- LT TN DUE TO STAIN CRM BUFF, FN XLN MTRX, REXLN MTRX IP, TR OF IMBD CALC XLS, TR OF IMBD FOSS FRAGS, FR TO GD OIL ODER, GLD FLO 40% LT YEL FLO 30% PR TO FR INTR XLN POR, TR MICRO VUG IP, FR TO GD FLUSH CUT, SLOW STRONG MLKY BLUE STRM CUT, BRN LEACH ON DISH

3206' "C" LS- LT TN DUE TO STAIN CRM BUFF, V/FN TO FN XLN MTRX, REXLN MTRX, TR OF IMBD CALC XLS, TR OF IMBD FOSS FRAGS, GD OIL ODER, GLD FLO 40% LT YEL FLO 10% FR INTR XLN POR, TR MICRO VUG IP, FR TO GD FLUSH CUT, SLOW MLKY BLUE STRM CUT, BRN LEACH ON DISH

**GAS ZERO @ 330 UN**

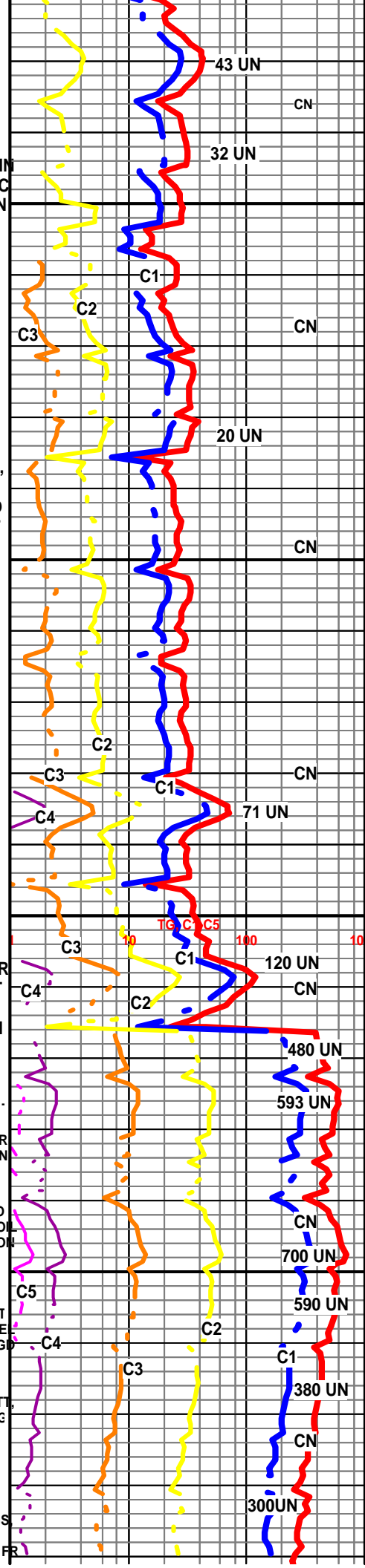
"D" 3221' LS- LT TN TN DUE TO OIL STAIN CRM, HD DNS BRITT, V/FN MD XLN, REXLN MTRX IP, IMBD GLUAC IP, IMBD CALC XLS, IMBD FOSS FRAGS, DEAD OIL STAIN 30%, GLD FLO IN 50%, MICRO PP POR POS FRAC POR, INST FLUSH CUT, FR MLKY BLUE STRM CUT, LT BRN LEACH ON DISH, FR OIL ODER

"E" 3231' LS- TN DUE TO OIL STAIN CRM BUFF, HD DNS BRITT, FN TO MD XLN, REXLN MTRX, IMBD CALC XLS, IMBD FOSS FRAGS, DEAD OIL STAIN 20%, LIVE OIL ON 3 ROCKS, GLD FLO ON 30% BRIT YEL FLO ON 20%, MICRO PP POR TR VUG POR, INST FLUSH CUT, GD MLKY BLUE STRM CUT, LT BRN LEACH ON DISH, GD OIL ODER

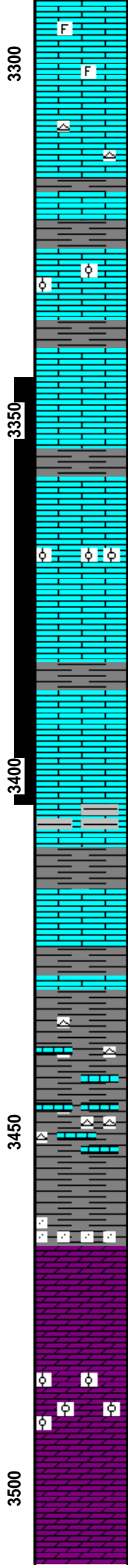
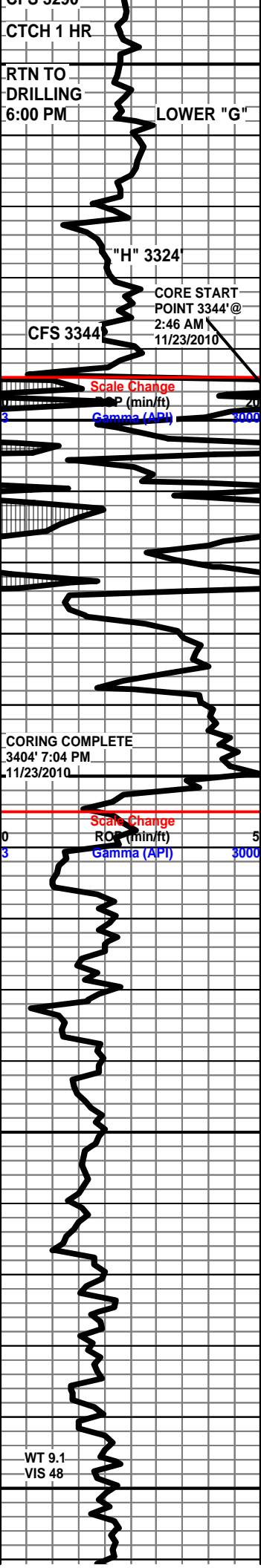
"F" 3252' LS- TN DUE TO OIL STAIN CRM BUFF, HD DNS BRITT, V/FN T FN XLN, REXLN MTRX IP, IMBD CALC XLS, GLD FLO ON 20% BRIT YEL FLO ON 10%, MICRO PP POR TR VUG POR, INST FLUSH CUT, FR TO GD MLKY BLUE STRM CUT, LT BRN LEACH ON DISH, GD OIL ODER

"UP G" 3264' LS- TN DUE TO OIL STAIN 50% CRM BUFF, HD DNS BRITT, V/FN TO FN XLN, REXLN MTRX IP, IMBD CALC XLS, IMBD FOSS FRAGS, DEAD OIL STAIN 10%, GLD FLO ON 10% BRIT YEL FLO ON 60%, PP POR VUG POR, INST FLUSH CUT, GD MLKY BLUE STRM CUT, BRN LEACH ON DISH, GD OIL ODER

"MID G" 3279' LS- TN DUE TO OIL STAIN 20% CRM BUFF, HD DNS BRITT, MD XLN, REXLN MTRX IP, IMBD CALC XLS, IMBD FOSS FRAGS, CHLKY THRU, GLD FLO ON 30% BRIT YEL FLO ON 10%, MICRO PP POR, V/SLI TR VUG POR, FR FLUSH CUT, FR MLKY BLUE STRM CUT, FR







OIL ODER

LS TN LT TN CRM BUFF HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD FOSS IP NO FLO NO VIS POR NO VIS SHO

LS DK TN TO TN GRY CRM BUFF MOTT HD DN TT CRYPTO XLN MTX THRU TR BRITE WHT CHERT IP NO FLO NO VIS POR NO VIS SHOW

SH GRY FRM SMOOTH BRITT TO SFT

LS TN CRM BUFF TO OFF WHT HD DN TT CRYPTO TO VVFN XLN MTX RE-XLN MTX IP TR IMBD QRTZ XLS IP TR IMBD OOLITES IP SCATT LT YLW FLO NO STAIN NO ODOR NO CUT NO VIS SHO

LS 344 WHT TO WHT HD DN TT CRYPTO TO VVFN XLN MTX NO FLO NO VIS POR NO VIS SOW

3348'-3352'LS OFF WHT TO WHT HD FRM BRITT VVFN TO FN XLN MTX TR IMBD CALC XLS IP LT YLW FLO 50% FAIR ODOR STAIN 50% BLK GUMMY OIL ON ROCKS POOR FAIR TO TR GOOD VUGGY POR TO PP AND MICRO PP POR FAIR FLUSH CUT TO SPOTTY MILKY BLUE STREAM CUT

LS CRM BUFF TO OFF WHT HD DN VVFN TO FN XLN MTX TR IMBD FOSS SUB-CHLKY IP LT YLW FLO POSS TT INTER XLN POR NO CUT NO VIS SHOW

3366'-3371' LS LT TN DUE TO STAIN IP CRM BUFF TO OFF WHT FRM BRITT VFN TO FN XLN MTX RE-XLN MTX IMBD OOLITES WITH IMBD SM CALC XLS WITH LT OIL STAIN LT YLW FLO 60% LT GLDN YLW FLO 20% STAIN 20% POOR INTER XLN TO TR VUGS AND MICRO VUGS WITH POOR TO TR FAIR INTER FOSS POR FAIR ODOR POOR TO FAIR FLUSH CUT SLOW SPOTTY MILKY BLUE STREAM CUT 2 ROCKS

3374'-3377' LS CRM BUFF TO OFF WHT IMBD OOLITES SUB-CHLKY TO CHLKY SM TO TR MD CALC XLS IP POOR TO TR FAIR INTER XLN POR TO TR MICRO PP AND PP POR POSS INTER FOSS POR TR LT OIL STAIN 20% LT YLW FLO 45% POOR TO FAIR ODOR POOR FLUSH CUT TO LT YLW GRN RING CUT

LS LT GRY TN CRM BUFF HD DN TT CRYPTO TO VVFN XLN MTX IMBD FOSS IMBD CALC XLS LT YLW FLO NO STAIN NO CUT NO VIS SHOW

**BKC 3409' -1495'**

SH DK GRY FRM SMOOTH BRITT

LS CRM BUFF OFF WHT HD DN TT CRYPTO XLN MTX NO FLO NO VIS POR NO VIS SHOW

SH RED/BRN SFT SILTY THRU

SH WITH INTER BED LS CRM BUFF TO OFF WHT CHLKY IP WITH CHERT OFF WHT TO BRITE WHT TO OPAQUE ORNG NO FLO TR VUG POR NO CUT NO VIS SHO

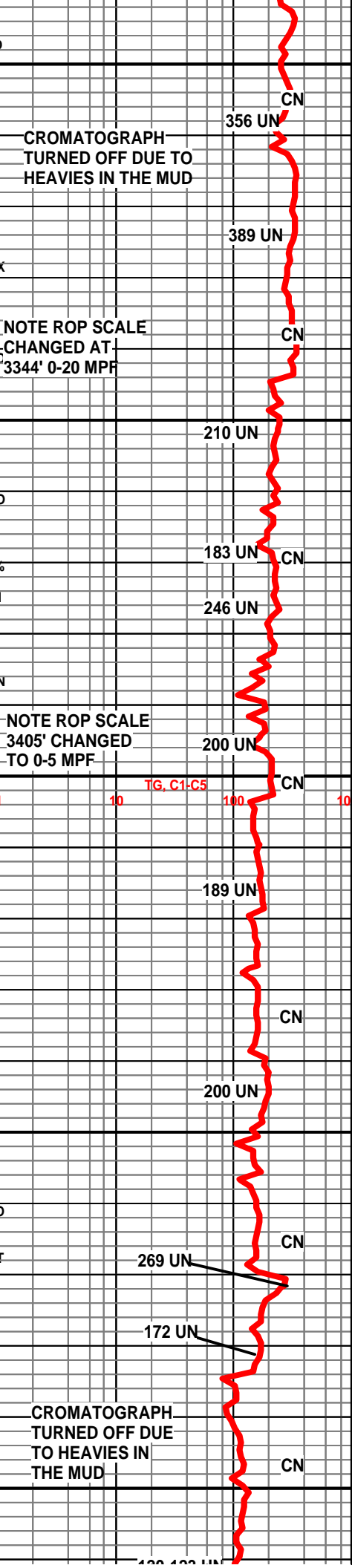
**ARBUCKLE 3467' -1553'**

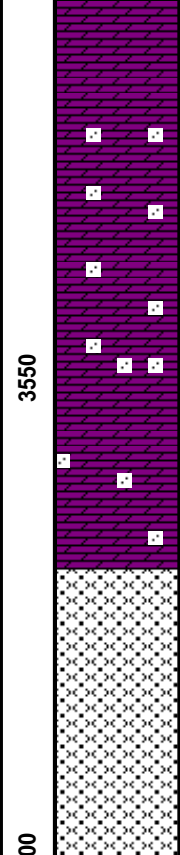
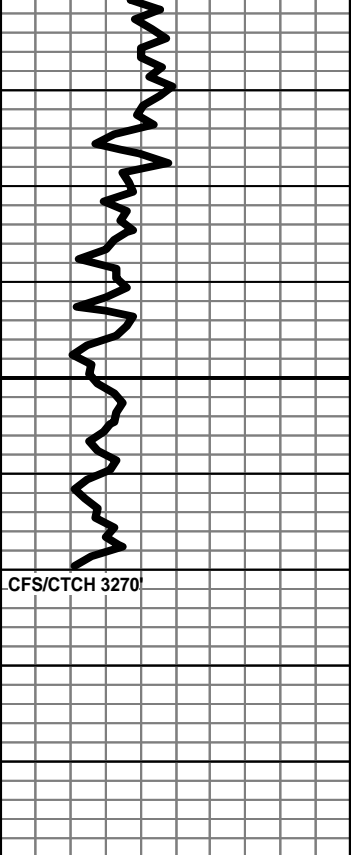
3467'-3474' DOL LT TN DUE TO STAN CRM TO OFF WHT HD TO FRM BRITT IP VFN TO FN XLN MTX TR MD XLN MTX IMBD SM TO MD ANG TO SUB-ANG DOL XLS TR IMBD QRTZ XLS POOR TO FAIR ODOR STAIN 40% MLT YLW FLO 50% DULL GLDN YLW FLO 20% POOR TO TR POSS FAIR INTER XLN TO PP AND MICRO PP POR POOR TO FAIR FLUSH CUT TO SPOTTY MILKY BLUE STREAM CUT

3474'-3484' DOL LT TN DUE TO STAIN CRM BUFF TO TR OFF WHT VFN TO FN XLN MTX SUCRO TX SCATT LT YLW FLO 30% STAIN 20% POOR TO TR FAIR INTER XLN POR TO NO POR FAIT TO POOR INSTANT FLUSH CUT TO LT YLW RING CUT

DOL CRM BUFF TO OFF WHT HD DN TT CRYPTO TO VVFN XLN MTX NO ODOR NO STAIN FAIR INTER XLN POR TO TR VUG POR MICRO PP POR IP NO CUT NO VIS SHOW

DOL CRM BUFF OFF WHT HD DN TT CRYPTO TO VVFN XLN MTX SUCRO TX TR IMBD VRY SM DOL XLS NO ODOR NO STAIN POSS TT INTER XLN POR IP TO NO POR NO CUT NO VIS SHOW





DOL CRM BUFF OFF WHT HD TO FRM VVFN TO FN XLN  
 MTX SUCRO TX TR IMBD VRY SM DOL XLS NO ODOR NO  
 STAIN POSS TT INTER XLN POR IP TO NO POR NO CUT  
 NO VIS SHOW

DOL CRM BUFF OFF WHT VVFN TO FN XLN MTX SUCRO  
 TXT THRU WITH IMBD VRY SM SUB-RND TO RND DOL/SS  
 GRNS CHLKY IMBD CHLK TR FRM CHLK IN TRAY TR  
 LMNTD PYR IP NO FLO NO FAIR INTER XLN POR IP TO  
 PP POR TR VUG POR IP NO ODOR NO CUT NO VIS SHOW

DOL OFF WHT TO WHT VVFN TO FN XLN MTX TO TR MD  
 XLN MTX SM ANG TO SUB-ANG DOL XLS TR IMBD QRTZ  
 XLS TR IMBD FOSS IP CHLKY NO FLO FAIR TO GOOD  
 INTER XLN POR TO VUGGY POR IP NO ODOR NO CUT  
 NO VIS SHOW

**TD 3570' -1656'**  
**8:36 AM 11/24/2010**  
**CTCH 1.5 HRS**  
**TOH FOR LOGS**

**LOGS BY WEATHERFORD LIBERAL**  
**THANK YOU FOR CHOOSING**  
**EARTHTECH OGL INC.**

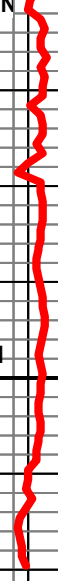
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SAMPLES WILL  
 BE DELIVERED TO  
 K.G.S. AS  
 REQUESTED





**QUALITY OILWELL CEMENTING, INC.**

PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 11/21/2010  
 Invoice # 4453

P.O.#:

Due Date: 12/21/2010

Division: Russell

# Invoice

**Contact:**

Samuel Gary Jr & Associates Inc  
**Address/Job Location:**  
 Samuel Gary Jr & Associates Inc  
 3111 W. 10th Street  
 Great Bend, KS 67503

**Reference:**

B-W 1-36

**Description of Work:**

LONG SURFACE JOB

DRLG  COMP  W/O  LOE

AFE # \_\_\_\_\_

ACCT # 8200-138

APPROVED BY [Signature]

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 702.18	No				
Common-Class A	400	\$ 4,742.40	Yes	Gilsonite	8	\$12.16	Yes
8 5/8" Basket	3	\$ 960.64	Yes				
Bulk Truck Matl-Material Service Charge	422	\$ 855.25	No				
Calcium Chloride	14	\$ 534.27	Yes				
Pump Truck Mileage-Job to Nearest Camp	24	\$ 242.71	No				
Flo Seal	100	\$ 202.67	Yes				
8 5/8" Centralizer	3	\$ 194.56	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	24	\$ 142.03	No				
8 5/8" Top Rubber Plug	1	\$ 107.41	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 91.20	Yes				

**Invoice Terms:**

Net 30

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,318.12)

SubTotal:	\$	8,787.48
SubTotal for Taxable Items:	\$	5,818.51
SubTotal for Non-Taxable Items:	\$	1,054.00
Total:	\$	7,469.36
Tax:	\$	366.57

6.30% Ellis County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 7,835.93**  
**Applied Payments:**  
**Balance Due: \$ 7,835.93**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4453

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-18-70	36	15	16	Ellis	Kansas		9:45 AM
Lease B-W	Well No. 1-36		Location Graham S. Carline 3rd N. 36th				
Contractor Discovery Drilling Rig 2				Owner To Quality Oilwell Cementing, Inc.			
Type Job Surface				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/2	T.D. 1000		Charge To Samuel Long Jr & Associates				
Csg. 8 5/8 23lb	Depth 1000		Street				
Tbg. Size	Depth		City State				
Tool	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg. 33'	Shoe Joint 33'		Cement Amount Ordered 400 Com 300 200#				
Meas Line	Displace 61 1/2 Bbl		516 Flo Sand				
<b>EQUIPMENT</b>				Common 400			
Pumptrk 5	No. 1	Cementer	Stew				
		Helper					
Bulktrk 12	No. 1	Driver	Bryan				
		Driver	Wade				
Bulktrk	No. 1	Driver	Doug				
		Driver					
<b>JOB SERVICES &amp; REMARKS</b>				Calcium 14			
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal 100#			
Centralizers				Kol-Seal 100#			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
				Sand			
				Handling 422			
				Mileage			
				<b>FLOAT EQUIPMENT</b>			
				Guide Shoe			
				Centralizer 3			
				Baskets 3			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				1 Baller Plate			
				1 8 5/8 Rubber Plug			
				Pumptrk Charge Long Surface			
				Mileage 24			
				Tax			
				Discount			
				Total Charge			
Signature <i>Samuel Long</i>							

Thank you

Signature *Samuel Long*



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone:785-324-1041 fax:785-483-1087  
 Email: cementing@ruraltel.net

Date: 11/29/2010  
 Invoice # 4395

P.O.#:  
 Due Date: 12/29/2010  
 Division: Russell

# Invoice

**Contact:**  
 Samuel Gary Jr & Associates Inc  
**Address/Job Location:**  
 Samuel Gary Jr & Associates Inc  
 3111 W. 10th Street  
 Great Bend, KS 67503

**Reference:**  
 B.W.1-36

**Description of Work:**  
 PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 835.70	No	Kol Seal	1057	\$298.38	Yes
Common-Class A	113	\$ 1,496.77	Yes	Salt (Fine)	19	\$287.97	Yes
CFL 117	117	\$ 782.50	Yes	5 1/2" Basket	1	\$249.71	Yes
CD-110	170	\$ 738.29	Yes	Pump Truck Mileage-Job to Nearest Camp	24	\$260.05	No
POZ Mix-Standard	112	\$ 559.36	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$243.20	Yes
Bulk Truck Matl-Material Service Charge	265	\$ 575.43	No	Calcium Chloride	5	\$204.44	Yes
5 1/2" Turbolizer	8	\$ 503.77	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	24	\$152.17	No
Mud Clear	500	\$ 401.71	Yes	Premium Gel (Bentonite)	8	\$141.40	Yes
Defoamer A or CAF-38	50	\$ 380.00	Yes	Flo Seal	56	\$121.60	Yes
Gyp Seal	21	\$ 344.28	Yes	KCL	2	\$64.84	Yes
Auto Fill Float Shoe, 5 1/2"	1	\$ 332.23	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 8,973.80  
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,346.07)

SubTotal for Taxable Items: \$ 6,077.88  
 SubTotal for Non-Taxable Items: \$ 839.50  
 Total: \$ 7,627.73  
 Tax: \$ 382.91

6.30% Ellis County Sales Tax

**Amount Due: \$ 8,010.63**

**Applied Payments:**

**Balance Due: \$ 8,010.63**

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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DRLG  COMP  W/O  LGE

AFE #

ACCT # 8700-138

APPROVED BY \_\_\_\_\_

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4395

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-25-10	36	15	16	Ellis	KS		3:45 p.m.
Lease	Well No.		Location				
R.V.	136		Corham 5 Colne 1w Ninto				

Contractor	Owner
D. Scary #2	To Quality Oilwell Cementing, Inc.
Type Job	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Production String	
Hole Size	T.D.
7 7/8	3571
Csg.	Depth
5 1/2 15.50	3568
Tbg. Size	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
22.52	22.52
Meas Line	Displace
	84 1/4 BCL
Charge To	
Sam Gary Jr & Associates	
Street	
City State	
The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Amount Ordered	
225 5/50 Q Pro-C 1/4 # FLO	

**EQUIPMENT**

Pumptrk	No.	Cementor		100% Salt 5% Calc. 20 ROKCL 50 gal mud deat
9		Helper		Common 23% CD-110 28% CFL-117 25% CAF-38
Bulktrk	No.	Driver		Rez-Mix 225 5/50 Q Pro-C
		Driver		
Bulktrk	No.	Driver		Gel.
8		Driver		

**JOB SERVICES & REMARKS**

Remarks:	Calcium
	CD-110 170#
Rat Hole	Hulls
305K	KCL 2 gal
Mouse Hole	Salt
155K	19
Centralizers	Flowseal
	56#
Baskets	Kol-Seal
	1057#
D/V or Port Collar	Mud CLR 48
	500 gal
	CFL-117 or CD-110 CAF 38
	50#
	Sand
	CFL-117 176#
	Handling
	265
	Mileage

5 1/2 set @ 3568 TDS 500 3545.5  
 Pump 500 gal mud deat 48 Cement Rathole  
 Mousehole - Cement casing - 255K @ 12"  
 155K @ 14" - Clear mud - Great Displacement  
 with 20BK KCL 64% Plug loaded  
 @ 1500 psi. Release Pressure Dry.

**FLOAT EQUIPMENT**

Guide Shoe	5 1/2 AFU Float shoe
Centralizer	8 Torbolizers
Baskets	1 Basket
AFU Inserts	1 Latchdown Assembly
Float Shoe	
Latch Down	

Pumptrk Charge	prod long string
Mileage	24

Signature	Tax
	Discount
	Total Charge

X Signature *[Handwritten Signature]*