



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

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: _____



1058181

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
---	---

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> <input type="checkbox"/> Other <i>(Specify)</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	BOXBERGER 3-36
Doc ID	1058181

All Electric Logs Run

DIL
MICRO
POR
SONIC

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	BOXBERGER 3-36
Doc ID	1058181

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3208'-12'	500 gals 28% MCA with 3% MAS	3208'-12'
4	3231'-37'	500 gals 28% MCA with 3% MAS	3231'-37'
4	3245'-49'	500 gals 28% MCA with 3% MAS	3245'-49'
4	3376'-81'	500 gals 28% MCA with 3% MAS	3376'-81'
4	3385'-3403'	500 gals 28% MCA with 3% MAS	3385'-3403'
4	3408'-14'	500 gals 28% MCA with 3% MAS	3408'-14'

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/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 22, 2011

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

Re: ACO1
API 15-051-26100-00-00
BOXBERGER 3-36
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



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: 2/26/2011
 Invoice # 4699

P.O.#:
 Due Date: 3/28/2011
 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

DRLG COMP W/O LOE GG

Account	8300 - 238
Well/Prospect	BOX BERBER 336
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 BOXBERGER 3-36

Description of Work:
 LONG SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 693.97	No	Baffle Plate Aluminum, 8 5/8"	1	\$91.20	Yes
Common-Class A	400	\$ 4,945.07	Yes				
8 5/8" Basket	3	\$ 960.64	Yes				
Bulk Truck Mat-Material Service Charge	422	\$ 855.25	No				
Calcium Chloride	14	\$ 534.27	Yes				
Pump Truck Mileage-Job to Nearest Camp	22	\$ 222.49	No				
Flo Seal	100	\$ 202.67	Yes				
8 5/8" Centralizer	3	\$ 194.56	Yes				
Premium Gel (Bentonite)	8	\$ 131.98	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	22	\$ 130.19	No				
8 5/8" Top Rubber Plug	1	\$ 107.41	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 9,069.70

Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,360.45)

SubTotal for Taxable Items:	\$ 6,092.62
SubTotal for Non-Taxable Items:	\$ 1,026.74

6.30% Rush County Sales Tax

Total: \$ 7,709.24
 Tax: \$ 383.84
Amount Due: \$ 8,093.08
 Applied Payments:
Balance Due: \$ 8,093.08

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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RECEIVED

MAR 11 2011

**SAMUEL GARY JR.
 & ASSOCIATES, INC.**

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. 4699

Date	2-24-11	Sec.		Twp.		Range		County	Rush	State	Kansas	On Location		Finish	2:45 PM
Lease	Rayberger	Well No.	3-36		Location		Gardner S. to Co Line 1 1/2 Miles								
Contractor	Discovery Drilling Rig 2				Owner		To Quality Oilwell Cementing, Inc.								
Type Job	Self Seal				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 1/4	T.D.	1042		Charge To		Samuel Casey Sr.								
Csg.	8 3/8 16	Depth	1042		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.	40.55'	Shoe Joint			Cement Amount Ordered		400 Com 35cc 2 1/2 gal								
Meas Line		Displace	63 3/4 Bbl		Cement Amount Ordered		400 Com 35cc 2 1/2 gal								

EQUIPMENT

Pumptrk	9	No.	Cement		Common	400
			Helper	Steve		
Bulktrk	12	No.	Driver	Paul	Poz. Mix	
			Driver	Rocky		
Bulktrk		No.	Driver	Chris	Gel.	8
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 100#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 4/22
	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	3
Baskets	3
AFU Inserts	
Float Shoe	
Latch Down	

Baffle Plate

Pumptrk Charge Long Surface
Mileage 22

Tax	
Discount	
Total Charge	

X Signature *Terry Wischer*

Thank You



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: 3/5/2011
 Invoice # 4778
 P.O.#:
 Due Date: 4/4/2011
 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

DRLG COMP W/O LOE GG

Account	8300-238
Well/Prospect	BOXBERGER 3-36
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 BOXBERGER 3-36

Description of Work:
 PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No	Pump Truck Mileage-Job to Nearest Camp	22	\$231.76	No
Pro-C Cement	225	\$ 4,037.50	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	22	\$135.62	No
CFL 117	176	\$ 1,144.39	Yes	Flo Seal	56	\$118.22	Yes
5 1/2" Basket	3	\$ 728.33	Yes	KCL	2	\$63.04	Yes
CD-110	170	\$ 717.78	Yes				
Bulk Truck Matl-Material Service Charge	255	\$ 538.33	No				
5 1/2" Turbolizer	8	\$ 489.78	Yes				
Defoamer A or CAF-38	50	\$ 369.44	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 323.00	Yes				
Salt (Fine)	19	\$ 279.98	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 236.44	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,377.46
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,556.62)

SubTotal for Taxable Items: \$ 7,231.72
 SubTotal for Non-Taxable Items: \$ 769.85

6.30% Ellis County Sales Tax

Total: \$ 8,820.84
 Tax: \$ 455.60
Amount Due: \$ 9,276.44
 Applied Payments:
Balance Due: \$ 9,276.44

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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RECEIVED

MAR 15 2011

**SAMUEL GARY JR.
 & ASSOCIATES, INC.**

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. 4778

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-3-11				Ellis	Kansas		4:30 AM
Lease <i>Rebinder</i>	Well No. <i>3-36</i>		Location <i>Graham S. to Co. Line 160 Miles</i>				
Contractor <i>Discovery Drilling Rig 2</i>				Owner			
Type Job <i>Long string</i>				To Quality Oilwell Cementing, Inc. 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 <i>7 7/8</i>	T.D. <i>31035</i>		Charge To <i>Sam Gray Jr. & Associates</i>				
Csg. <i>5 1/2 15.50 lb</i>	Depth <i>3629</i>		Street				
Tbg. Size	Depth		City State				
Tool	Depth		City State				
Cement Left in Csg. <i>42'</i>	Shoe Joint <i>42'</i>		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace <i>85 1/2 Bbl</i>		Cement Amount Ordered <i>225 Q-Pro C 100 Salt</i>				
EQUIPMENT				<i>5# Gelsolite 2 1/2 Gall 1/2 Flo Seal 100 Friction Reducer</i>			
Pumptrk <i>5</i> No.	Cementor <i>Steve</i>		Common <i>225 Q-pro-C</i>				
Bulktrk <i>10</i> No.	Driver <i>Brandon</i>		Poz. Mix				
Bulktrk No.	Driver <i>Caray</i>		Gel.				
JOB SERVICES & REMARKS				Calcium <i>CFL-117 176#</i>			
Remarks:				Calcium <i>CD-110 170#</i>			
Rat Hole <i>30sx</i>				Salt <i>19</i>			
Mouse Hole <i>20sx</i>				Flowseal <i>56#</i>			
Centralizers <i>1, 3, 5, 7, 9, 11, 13, 15</i>				Kol-Seal <i>1057#</i>			
Baskets <i>3, 9, 13</i>				Mud CLR 48 <i>500 gal</i>			
DNV or Port Collar				CFL-117 or CD110 (CAF 38) <i>50#</i>			
<i>30sx Rat Hole</i>				Sand <i>KCL 2</i>			
<i>20sx Mouse Hole</i>				Handling <i>755</i>			
<i>20 Bbl KCL followed by 500 gal Mud Clear -48</i>				Mileage			
<i>Mix 25sx light followed by 150sx @ 14.8-15lb</i>				FLOAT EQUIPMENT			
<i>Land plug @ 1400 psi Float Head</i>				Guide Shoe			
				Centralizer <i>8 Turbos</i>			
				Baskets <i>3</i>			
				AFU inserts			
				Float Shoe <i>1</i>			
				Latch Down <i>1</i>			
				<i>20 Bbl KCL</i>			
				<i>500 gal Mud Clear -48</i>			
				Pumptrk Charge <i>pond Long String</i>			
				Mileage <i>22</i>			
Signature <i>[Signature]</i>				Tax			
				Discount			
				Total Charge			



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary & Associates, INC**

1515 Wynkoop ste 700
Denver Co 80202

ATTN: Clayton Camozzi

36-15s-16w Ellis

Boxberger 3-36

Start Date: 2011.02.27 @ 14:21:28

End Date: 2011.02.27 @ 22:01:28

Job Ticket #: 042851 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

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

ATTN: Clayton Camozzi

Job Ticket: 042851

DST#: 1

Test Start: 2011.02.27 @ 14:21:28

GENERAL INFORMATION:

Formation: **LKC-A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:12:28

Time Test Ended: 22:01:28

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3182.00 ft (KB) To 3242.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3242.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 643.49 psig @ 3219.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.27 End Date: 2011.02.27

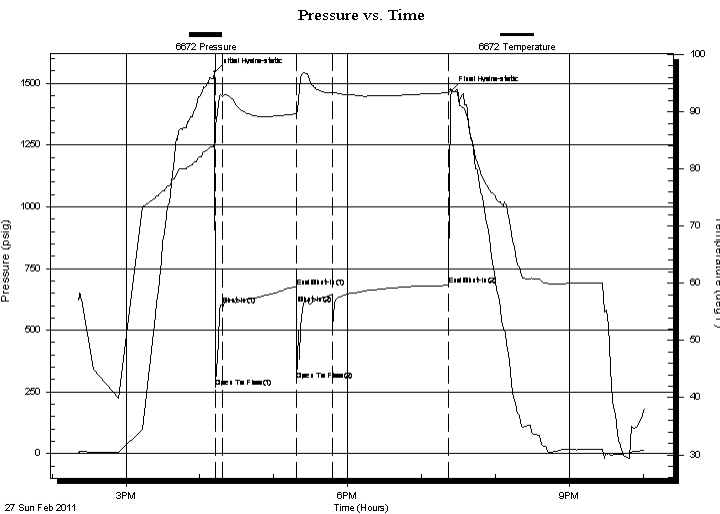
Last Calib.: 2003.01.01

Start Time: 14:21:29 End Time: 22:01:28

Time On Btm: 2011.02.27 @ 16:11:58

Time Off Btm: 2011.02.27 @ 19:23:58

TEST COMMENT: IFP-5min-Strong blow BOB in 1 min
ISI-60min-Dead no blow back
FFP-30min-Strong blow BOB in 30 sec
FSI-90 min-Fair blow back built to 4 1/2 in Died back to 4 in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1544.35	84.40	Initial Hydro-static
1	270.87	84.84	Open To Flow (1)
6	603.24	92.74	Shut-In(1)
66	676.86	89.60	End Shut-In(1)
67	299.85	89.43	Open To Flow (2)
96	643.49	93.29	Shut-In(2)
190	683.54	93.33	End Shut-In(2)
192	1470.99	93.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCGM 20%O20%G60%M	0.60
109.00	HOCGM20%M40%O40%G	1.53
15.00	MCO 30%M70%O	0.21
3.00	MO 3%M97%O	0.04
0.00	1386 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042851

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.02.27 @ 14:21:28

Tool Information

Drill Pipe:	Length: 3141.00 ft	Diameter: 3.80 inches	Volume: 44.06 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 44.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3182.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	95.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3148.00	
Recorder	0.00	8679	Fluid	3148.00	
Drill Pipe	5.00			3153.00	
Shut In Tool	5.00			3158.00	
Sampler	2.00			3160.00	
Hydraulic tool	5.00			3165.00	
Jars	5.00			3170.00	
Safety Joint	3.00			3173.00	
Packer	4.00			3177.00	35.00 Bottom Of Top Packer
Packer	5.00			3182.00	
Stubb	1.00			3183.00	
Perforations	3.00			3186.00	
Change Over Sub	1.00			3187.00	
Drill Pipe	31.00			3218.00	
Change Over Sub	1.00			3219.00	
Recorder	0.00	6672	Inside	3219.00	
Recorder	0.00	8321	Outside	3219.00	
Perforations	20.00			3239.00	
Bullnose	3.00			3242.00	60.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042851

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.02.27 @ 14:21:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	OCGM 20%O20%G60%M	0.601
109.00	HOCGM20%M40%O40%G	1.529
15.00	MCO 30%M70%O	0.210
3.00	MO 3%M97%O	0.042
0.00	1386 GIP	0.000

Total Length: 190.00 ft

Total Volume: 2.382 bbl

Num Fluid Samples: 0

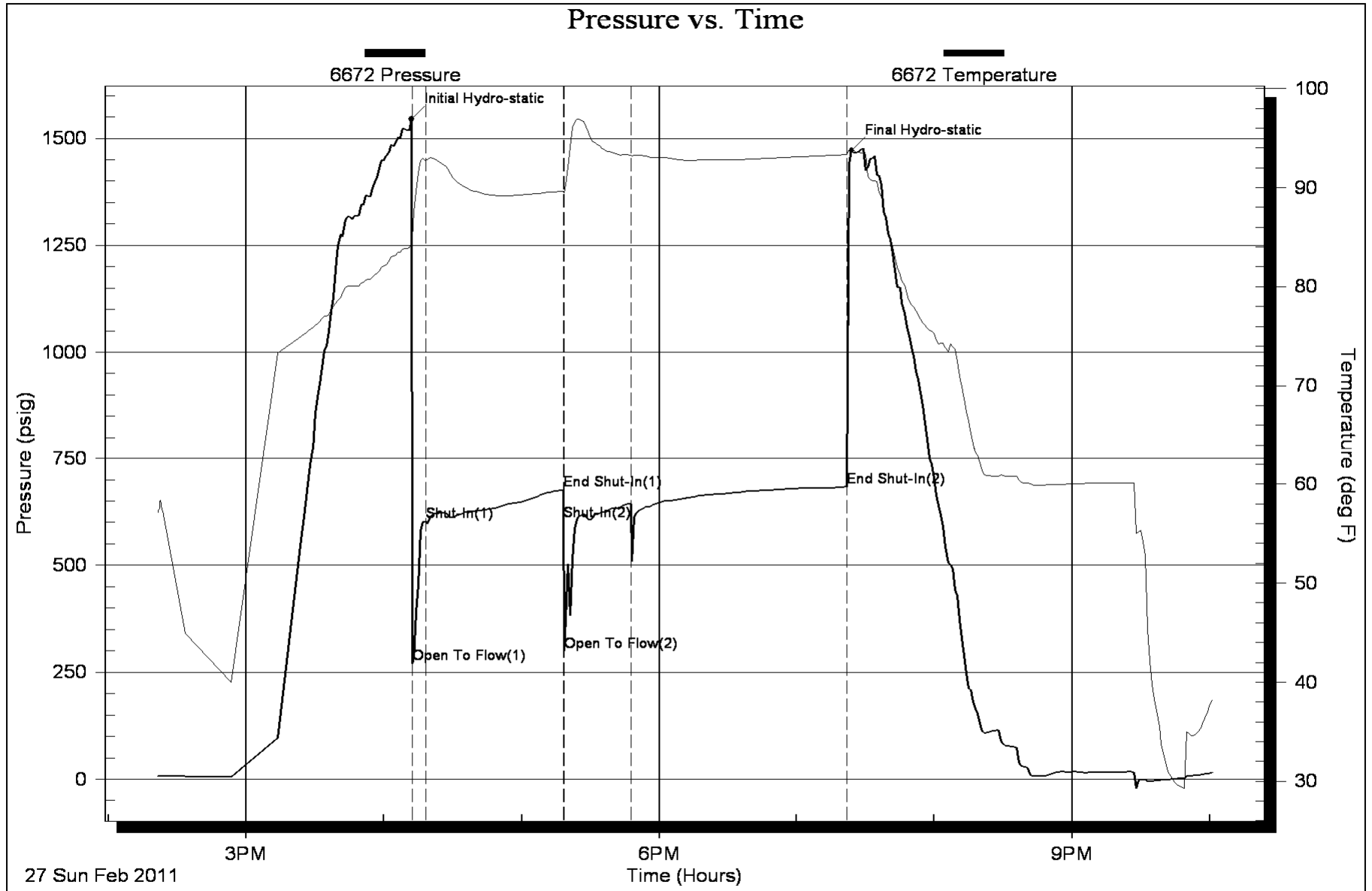
Num Gas Bombs: 0

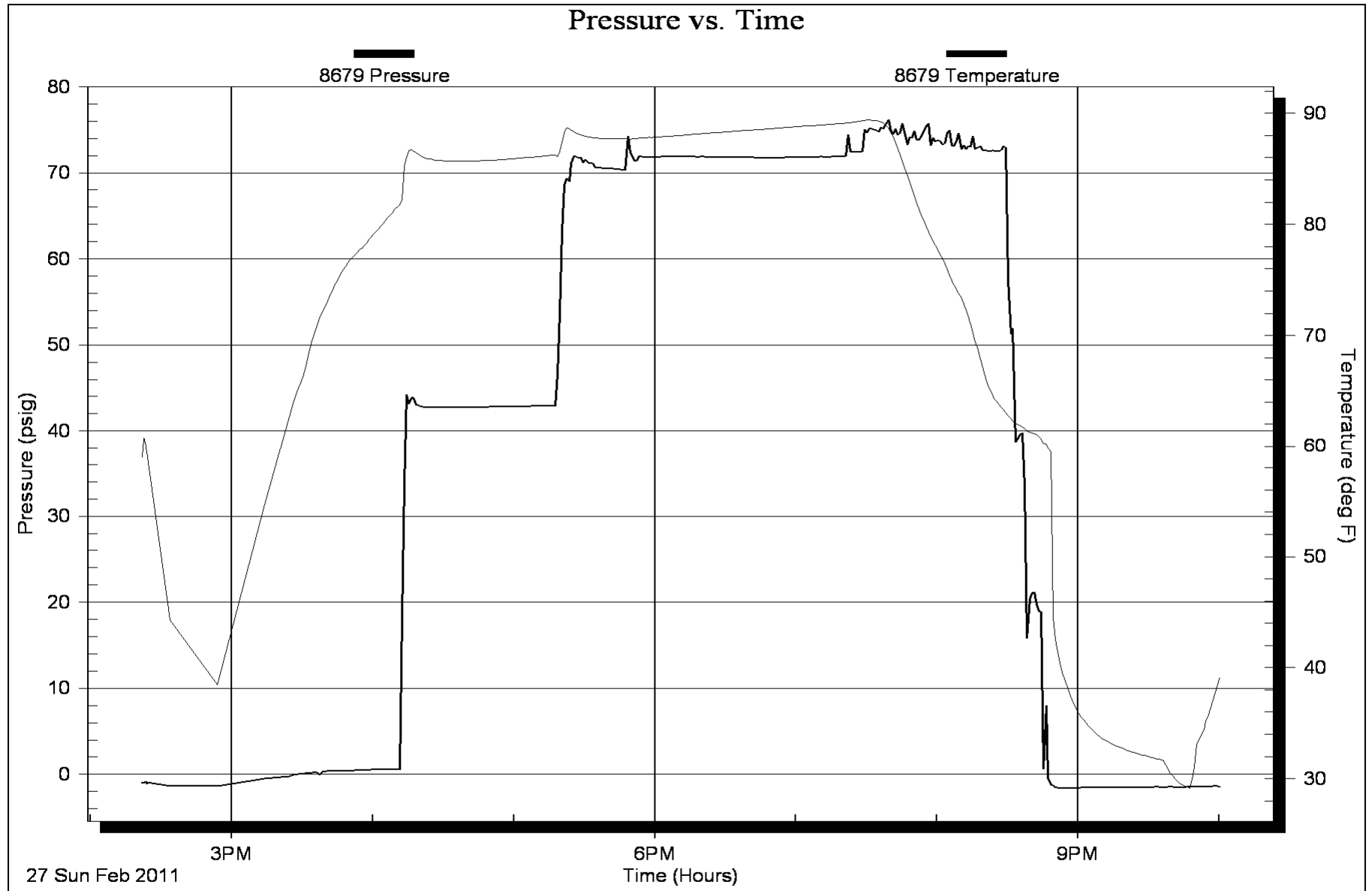
Serial #:

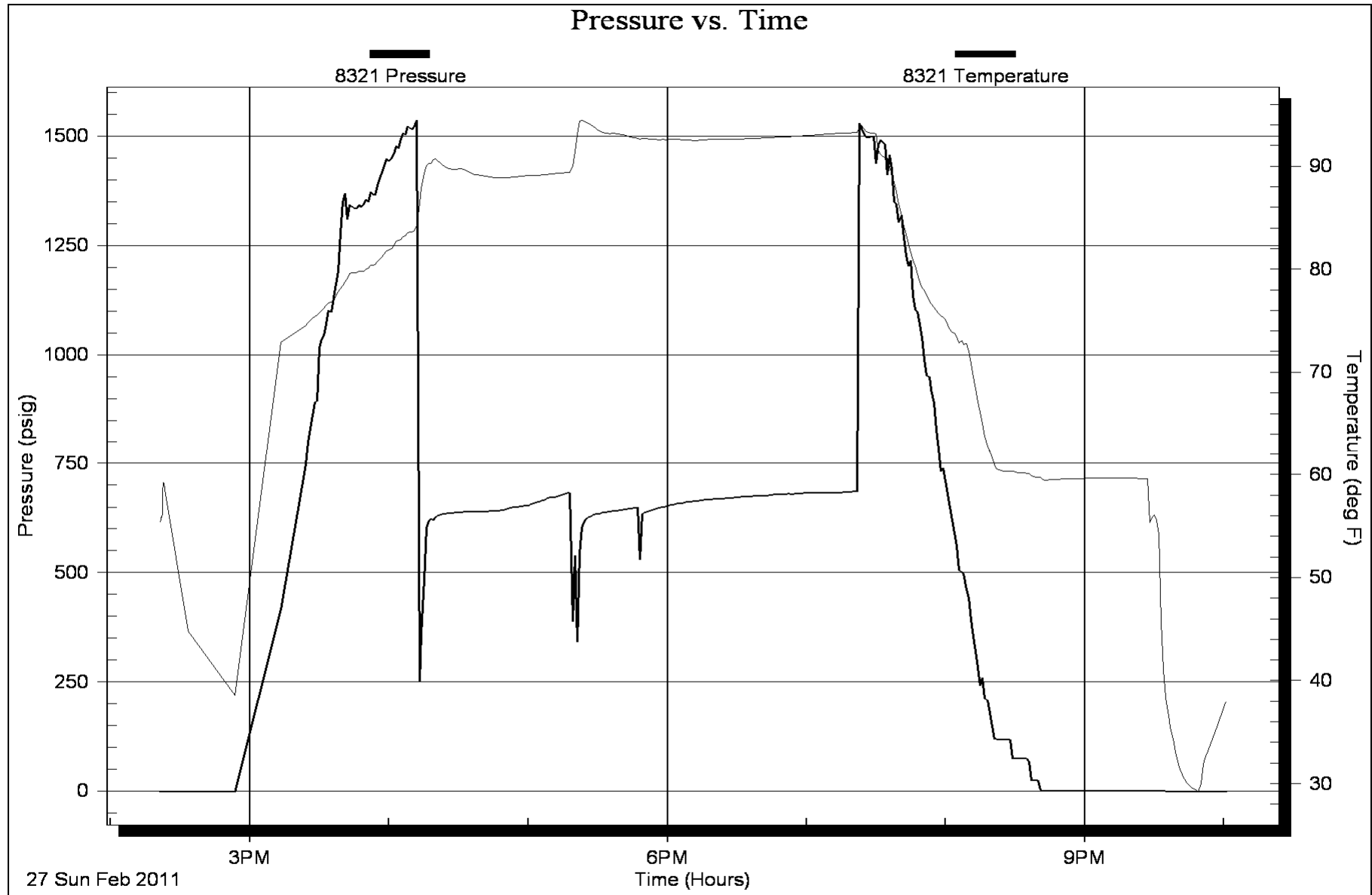
Laboratory Name:

Laboratory Location:

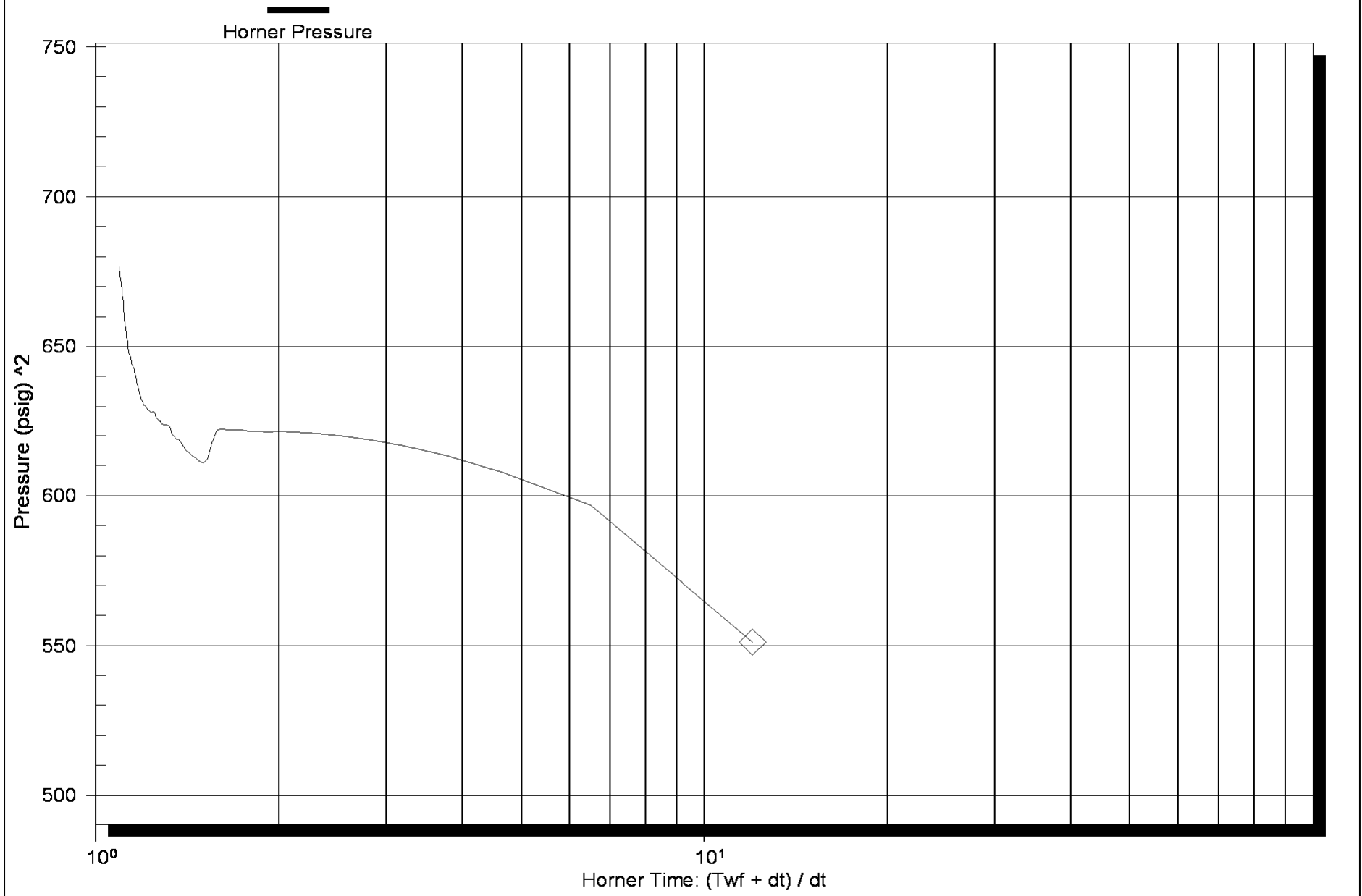
Recovery Comments:



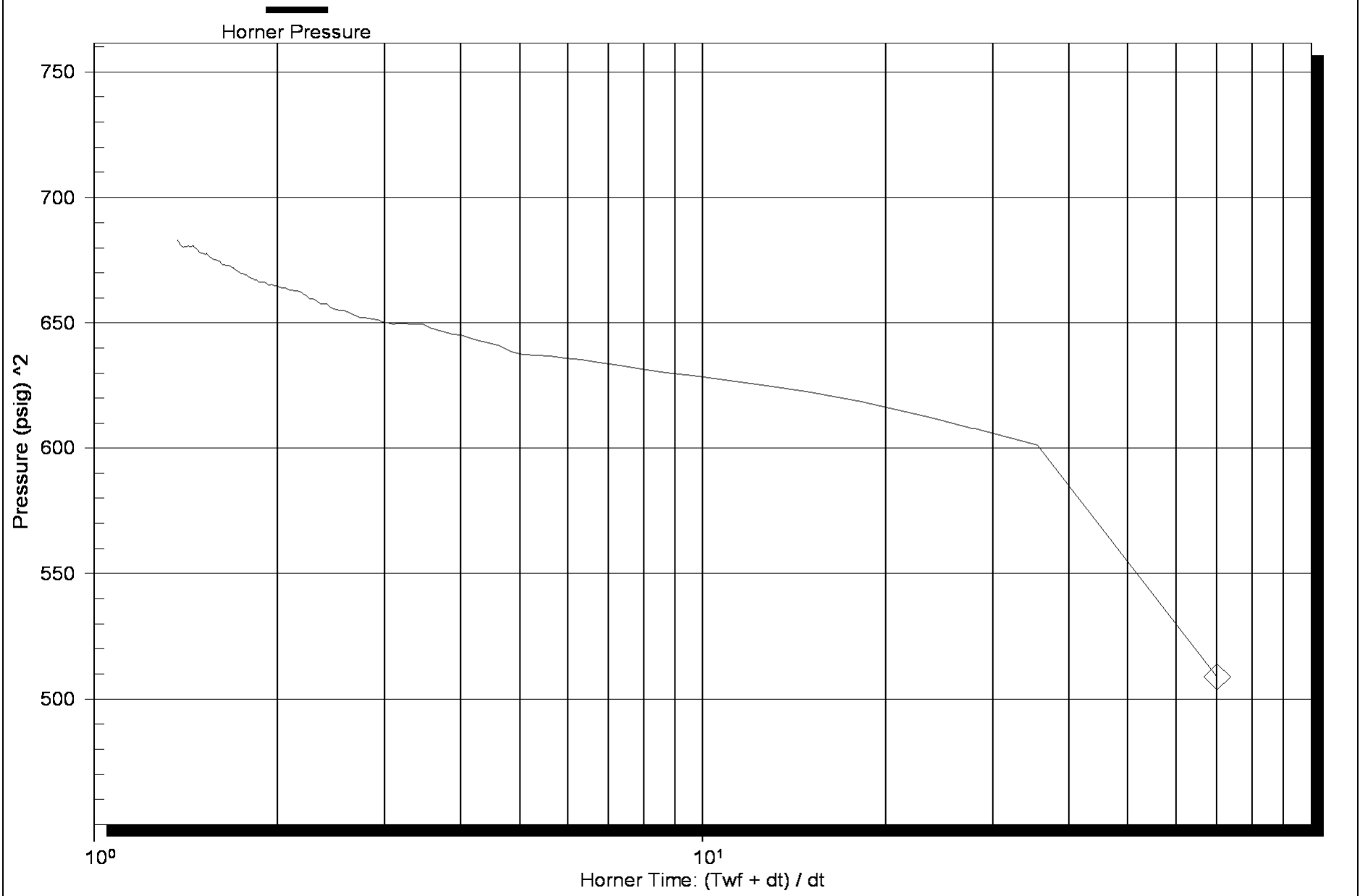




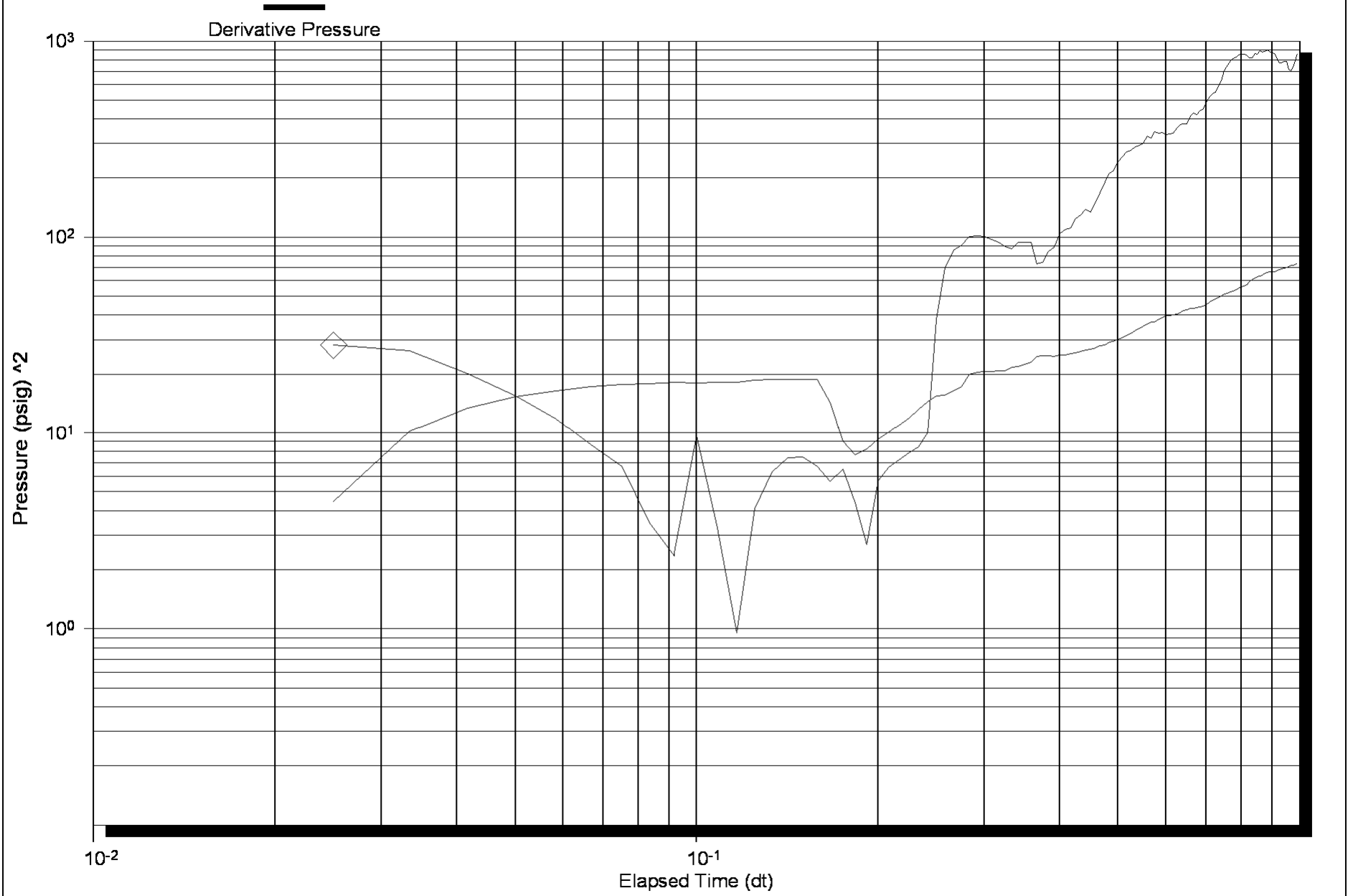
Horner Plot



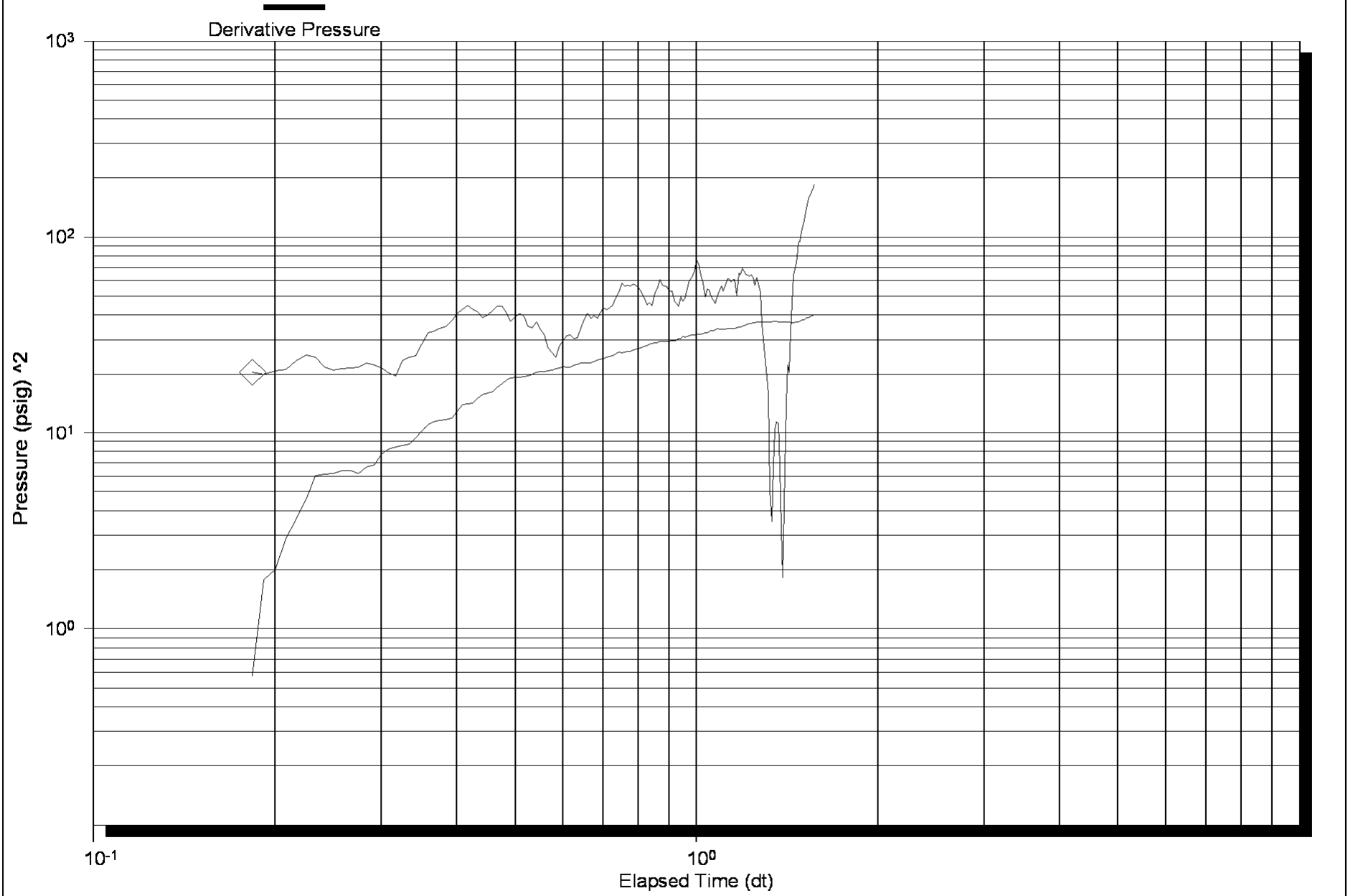
Horner Plot

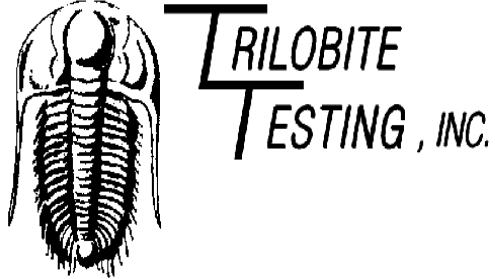


Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary & Associates, INC**

1515 Wynkoop ste 700
Denver Co 80202

ATTN: Clayton Camozzi

36-15s-16w Ellis

Boxberger 3-36

Start Date: 2011.02.28 @ 05:52:24

End Date: 2011.02.28 @ 14:00:54

Job Ticket #: 042852 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

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042852

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.02.28 @ 05:52:24

GENERAL INFORMATION:

Formation: **LKC-F-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:58:54

Time Test Ended: 14:00:54

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3270.00 ft (KB) To 3303.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3303.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 223.25 psig @ 3271.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.28

End Date:

2011.02.28

Last Calib.:

2011.02.28

Start Time: 05:52:25

End Time:

14:00:54

Time On Btm:

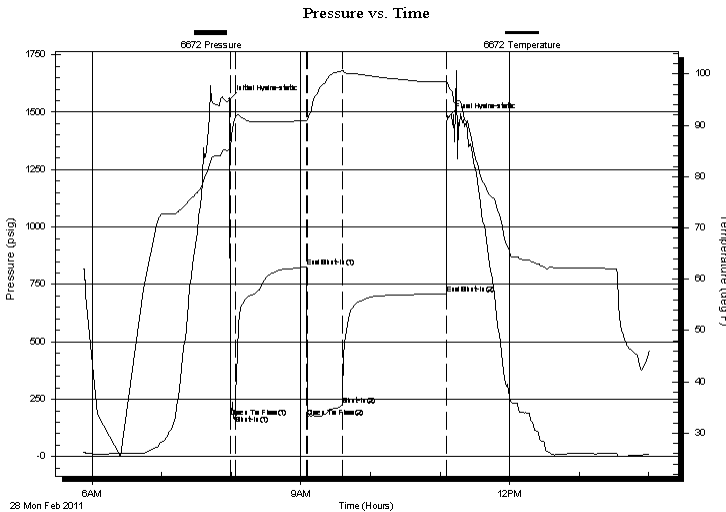
2011.02.28 @ 07:58:24

Time Off Btm:

2011.02.28 @ 11:06:54

TEST COMMENT: IFP-5 min-Strong blow BOB in 45 sec
ISI-60 min-Weak blow back built to 1/8 in
FFP-30 min-Strong blow BOB in 30 sec
FSI-90 min Good blow back BOB in 14 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.36	85.15	Initial Hydro-static
1	171.97	85.45	Open To Flow (1)
5	180.26	91.41	Shut-In(1)
67	825.08	90.88	End Shut-In(1)
68	172.10	91.14	Open To Flow (2)
97	223.25	100.63	Shut-In(2)
187	710.53	98.45	End Shut-In(2)
189	1478.21	97.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	SOCGM 5%O 15%G80%M	0.60
31.00	V SOCM 2%O 98%M	0.43
252.00	HOCGWM 35%G10%M5%W50%O	3.53
126.00	HOCGM 30%G25%M45%O	1.77
63.00	MCO 20%M80%O	0.88
0.00	1417 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042852

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.02.28 @ 05:52:24

Tool Information

Drill Pipe:	Length: 3234.00 ft	Diameter: 3.80 inches	Volume: 45.36 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.51 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3270.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3236.00	
Recorder	0.00	8679	Fluid	3236.00	
Drill Pipe	5.00			3241.00	
Shut In Tool	5.00			3246.00	
Sampler	2.00			3248.00	
Hydraulic tool	5.00			3253.00	
Jars	5.00			3258.00	
Safety Joint	3.00			3261.00	
Packer	4.00			3265.00	35.00 Bottom Of Top Packer
Packer	5.00			3270.00	
Stubb	1.00			3271.00	
Recorder	0.00	6672	Inside	3271.00	
Recorder	0.00	8321	Outside	3271.00	
Perforations	29.00			3300.00	
Bullnose	3.00			3303.00	33.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042852

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.02.28 @ 05:52:24

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.97 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5100.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

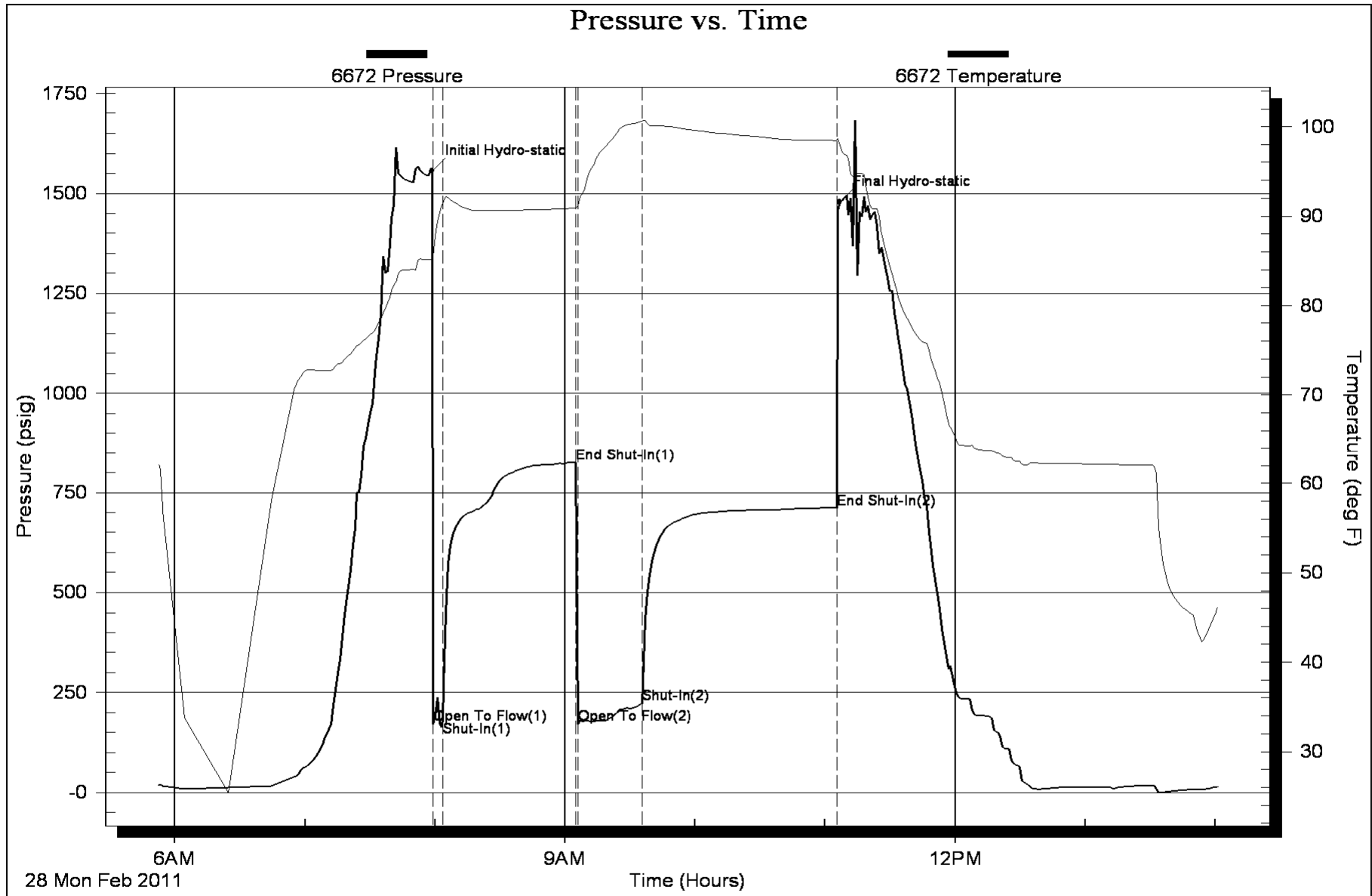
Length ft	Description	Volume bbl
63.00	SOCGM 5%O 15%G80%M	0.601
31.00	VSOCM 2%O 98%M	0.435
252.00	HOCGWM 35%G10%M5%W50%O	3.535
126.00	HOCGM30%G25%M45%O	1.767
63.00	MCO20%M80%O	0.884
0.00	1417 GIP	0.000

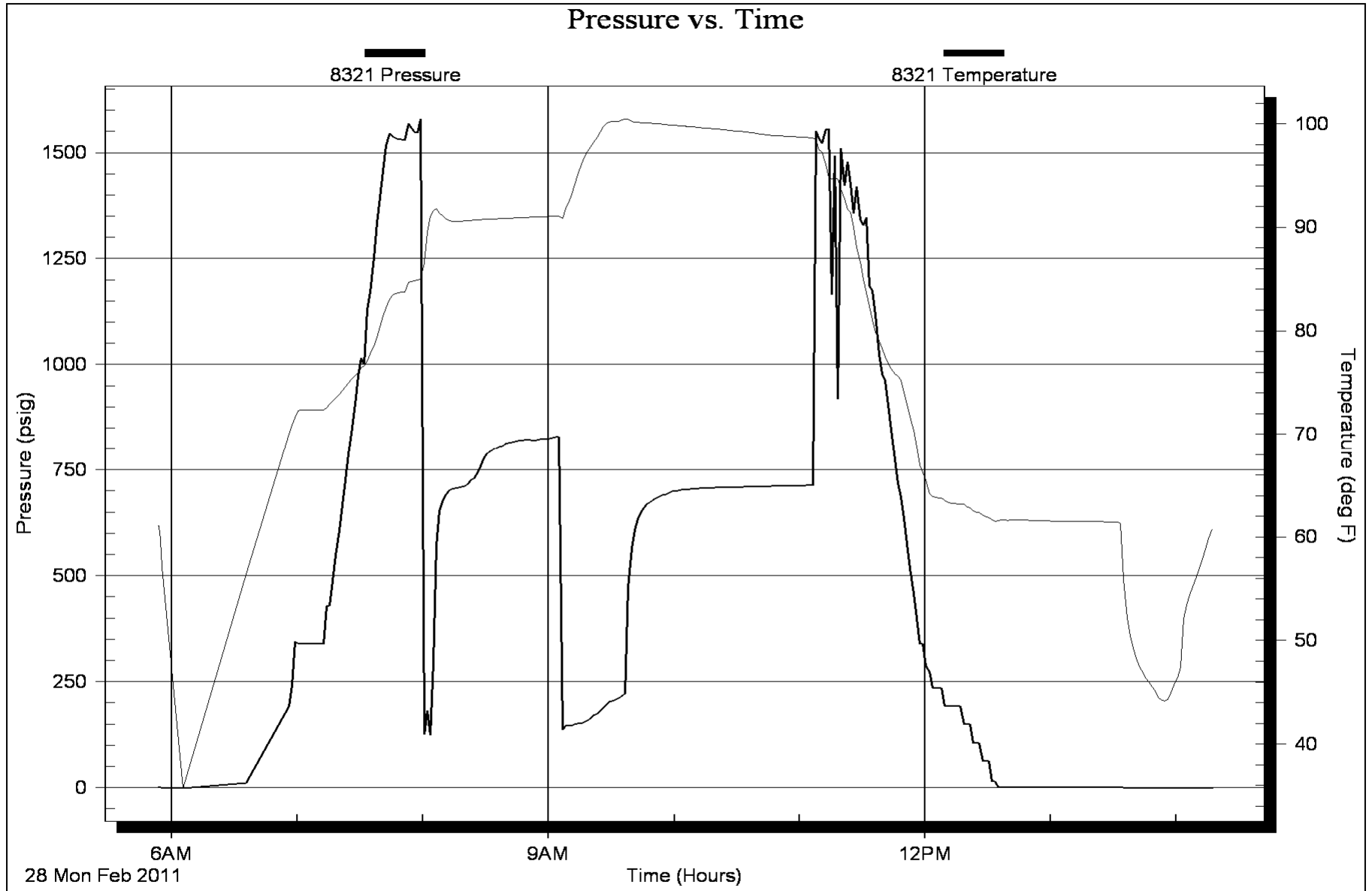
Total Length: 535.00 ft Total Volume: 7.222 bbl

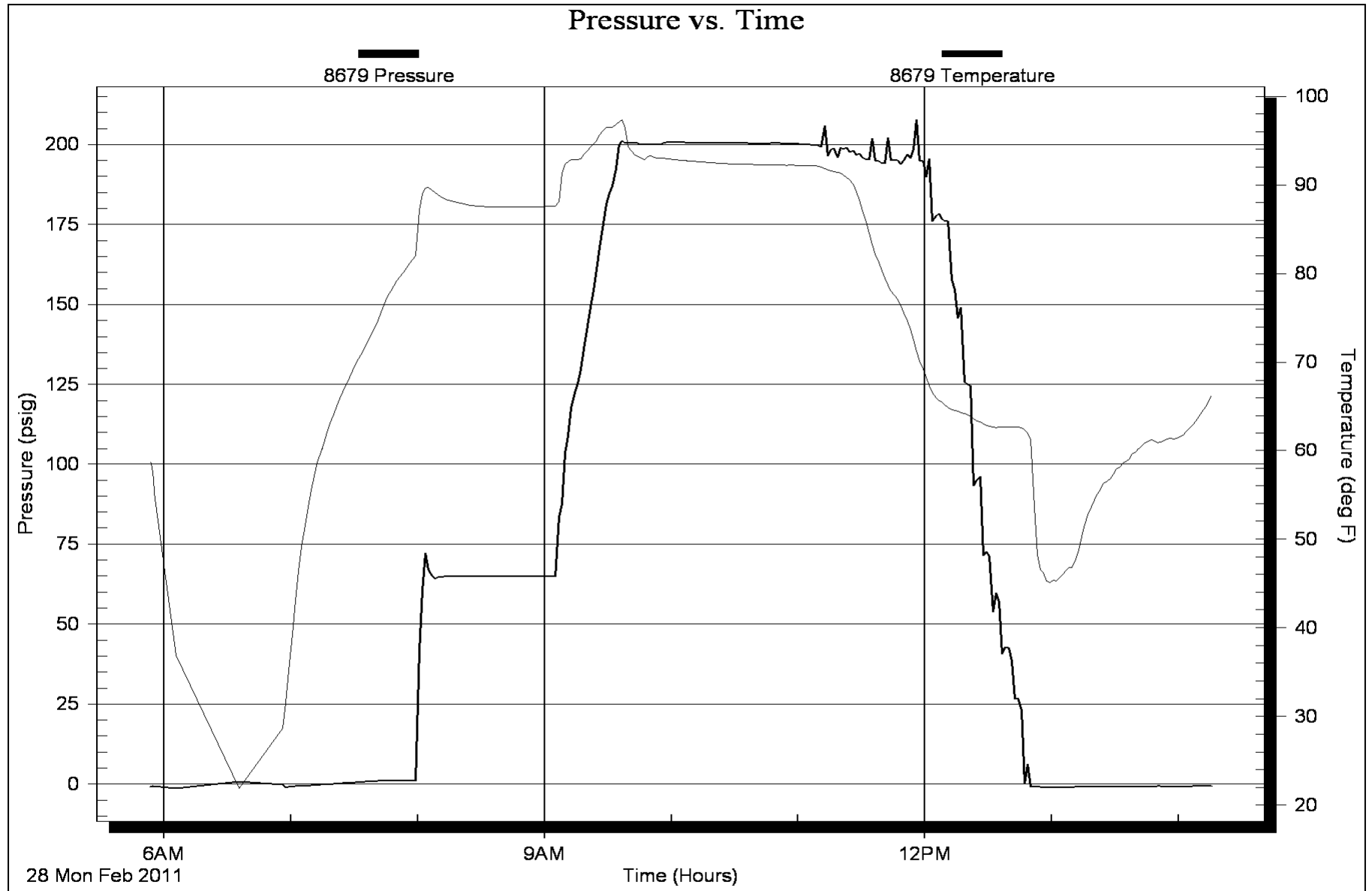
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

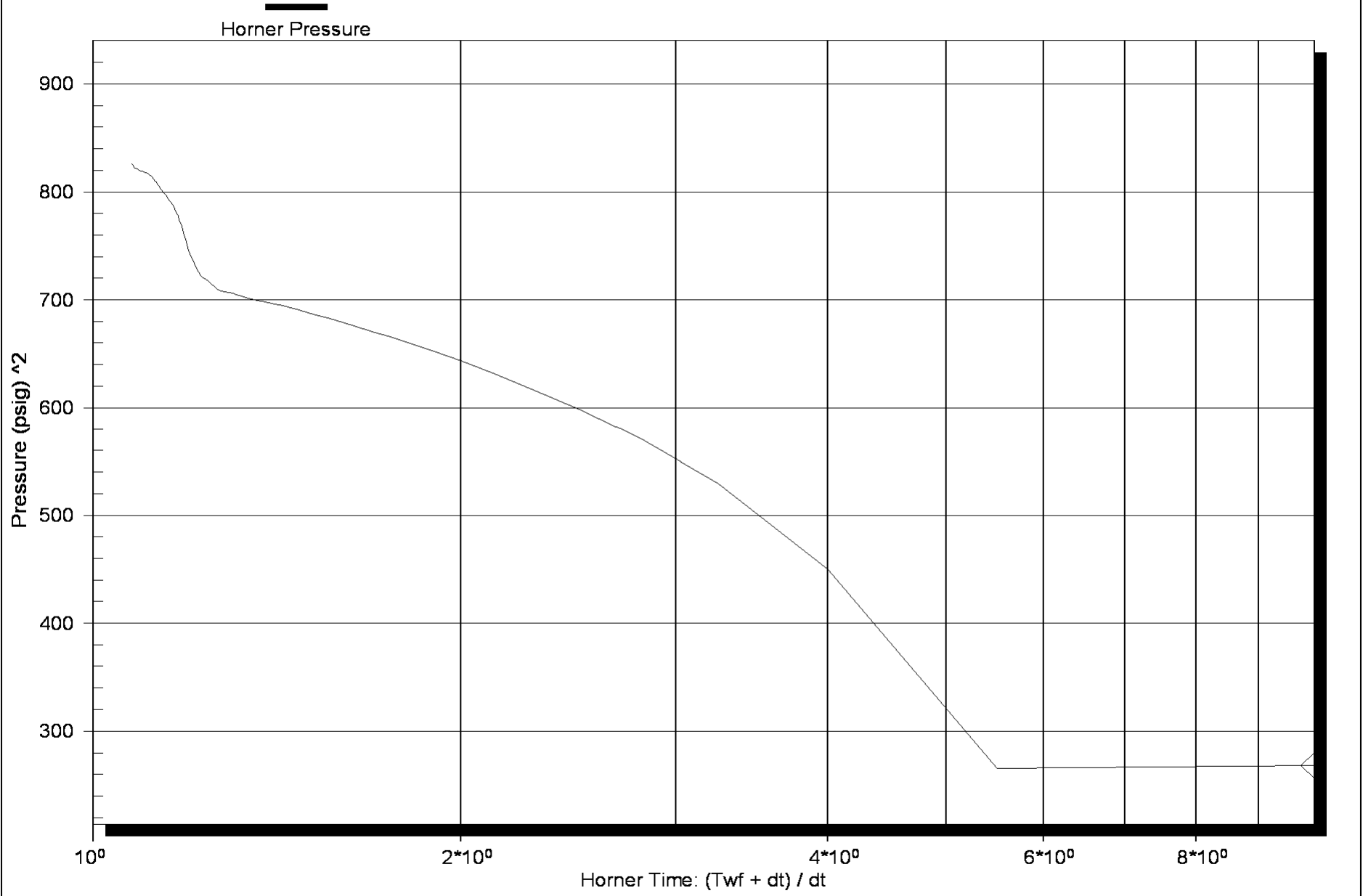
Recovery Comments: 2800 total ML- 360 PSI- 1QF of gas-2700 ML of oil-100ML of mud







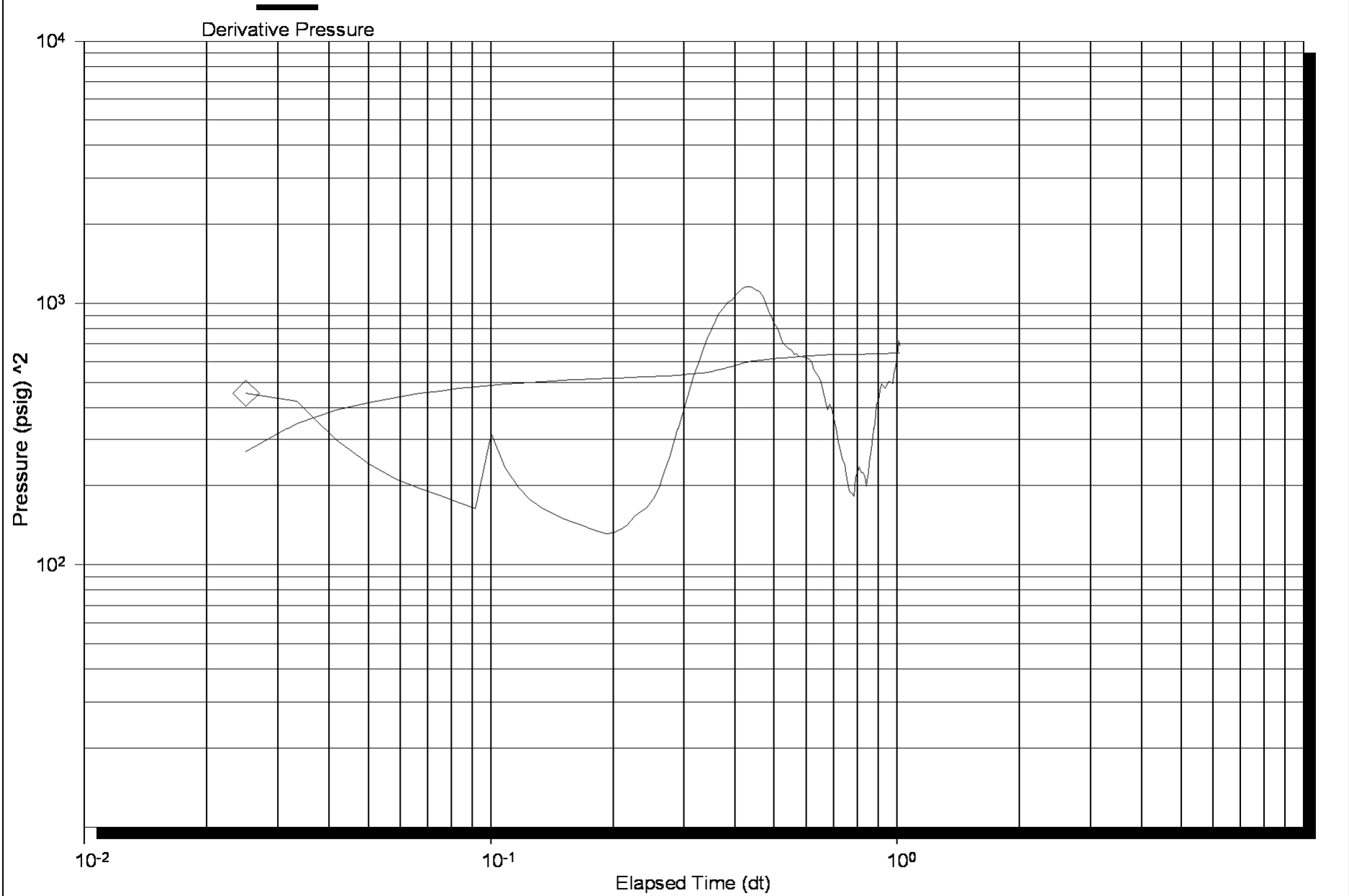
Horner Plot



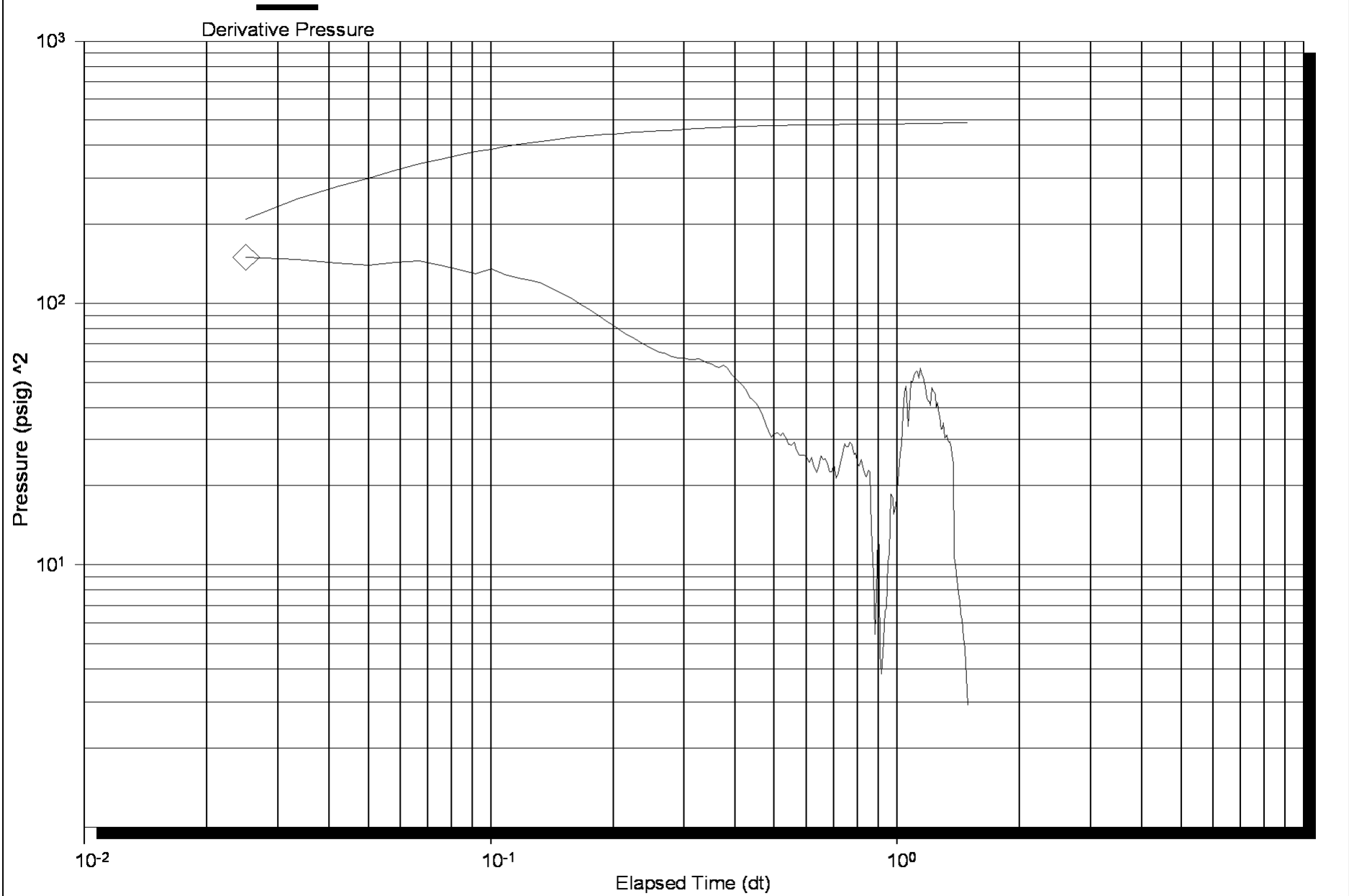
Horner Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary & Associates, INC**

1515 Wynkoop ste 700
Denver Co 80202

ATTN: Clayton Camozzi

36-15s-16w Ellis

Boxberger 3-36

Start Date: 2011.02.28 @ 21:07:16

End Date: 2011.03.01 @ 04:16:16

Job Ticket #: 042853 DST #: 3

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

ATTN: Clayton Camozzi

Job Ticket: 042853

DST#: 3

Test Start: 2011.02.28 @ 21:07:16

GENERAL INFORMATION:

Formation: **LKC-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:05:16

Time Test Ended: 04:16:16

Test Type: Conventional Straddle

Tester: Jeff Brown

Unit No: 44

Interval: 3218.00 ft (KB) To 3268.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6672 Outside

Press @ Run Depth: 237.68 psig @ 3221.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.28 End Date: 2011.03.01

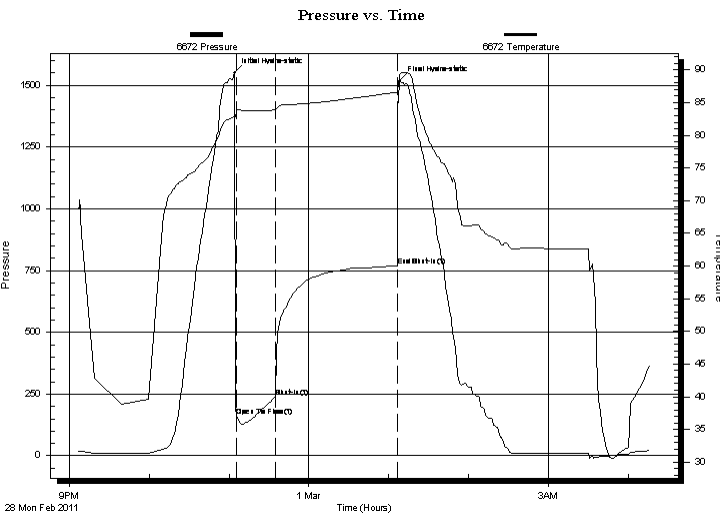
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Start Time: 21:07:17 End Time: 04:16:16

Time On Btm: 2011.02.28 @ 23:04:16

Time Off Btm: 2011.03.01 @ 01:08:16

TEST COMMENT: IFP-30 min-Strong blow BOB in 1 min Gas to surface in 15 Min
ISI-90 min Strong blow back BOB in 30 sec Gas to surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.79	82.93	Initial Hydro-static
1	161.58	83.55	Open To Flow (1)
31	237.68	83.90	Shut-In(1)
122	769.03	86.58	End Shut-In(1)
124	1518.82	89.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
146.00	MCGWO 8%M35%G2%W55%O	1.77
252.00	HOCGM 10%M55%G35%O	3.53
189.00	MCGO 10%M40%G50%O	2.65
0.00	2613GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042853

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2011.02.28 @ 21:07:16

Tool Information

Drill Pipe:	Length: 3173.00 ft	Diameter: 3.80 inches	Volume: 44.51 bbl	Tool Weight:	2200.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	56000.00 lb
			<u>Total Volume: 44.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3218.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	3268.00 ft				
Interval between Packers:	50.00 ft				
Tool Length:	157.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3184.00	
Stubb	5.00			3189.00	
Shut In Tool	5.00			3194.00	
Sampler	2.00			3196.00	
Hydraulic tool	5.00			3201.00	
Jars	5.00			3206.00	
Safety Joint	3.00			3209.00	
Packer	4.00			3213.00	35.00 Bottom Of Top Packer
Packer	5.00			3218.00	
Stubb	1.00			3219.00	
Perforations	2.00			3221.00	
Recorder	0.00	8321	Inside	3221.00	
Recorder	0.00	6672	Outside	3221.00	
Change Over Sub	1.00			3222.00	
Drill Pipe	31.00			3253.00	
Change Over Sub	1.00			3254.00	
Perforations	10.00			3264.00	
Blank Off Sub	1.00			3265.00	
Stubb	3.00			3268.00	50.00 Tool Interval
Packer	1.00			3269.00	
Stubb	1.00			3270.00	
Recorder	0.00	8679	Below	3270.00	
Change Over Sub	1.00			3271.00	
Drill Pipe	63.00			3334.00	
Change Over Sub	1.00			3335.00	
Perforations	2.00			3337.00	



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042853

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2011.02.28 @ 21:07:16

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 6100.00 ppm
Filter Cake: inches

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

Oil API: 42 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
146.00	MCGWO 8%M35%G2%W55%O	1.766
252.00	HOCGM 10%M55%G35%O	3.535
189.00	MCGO 10%M40%G50%O	2.651
0.00	2613GIP	0.000

Total Length: 587.00 ft Total Volume: 7.952 bbl

Num Fluid Samples: 0

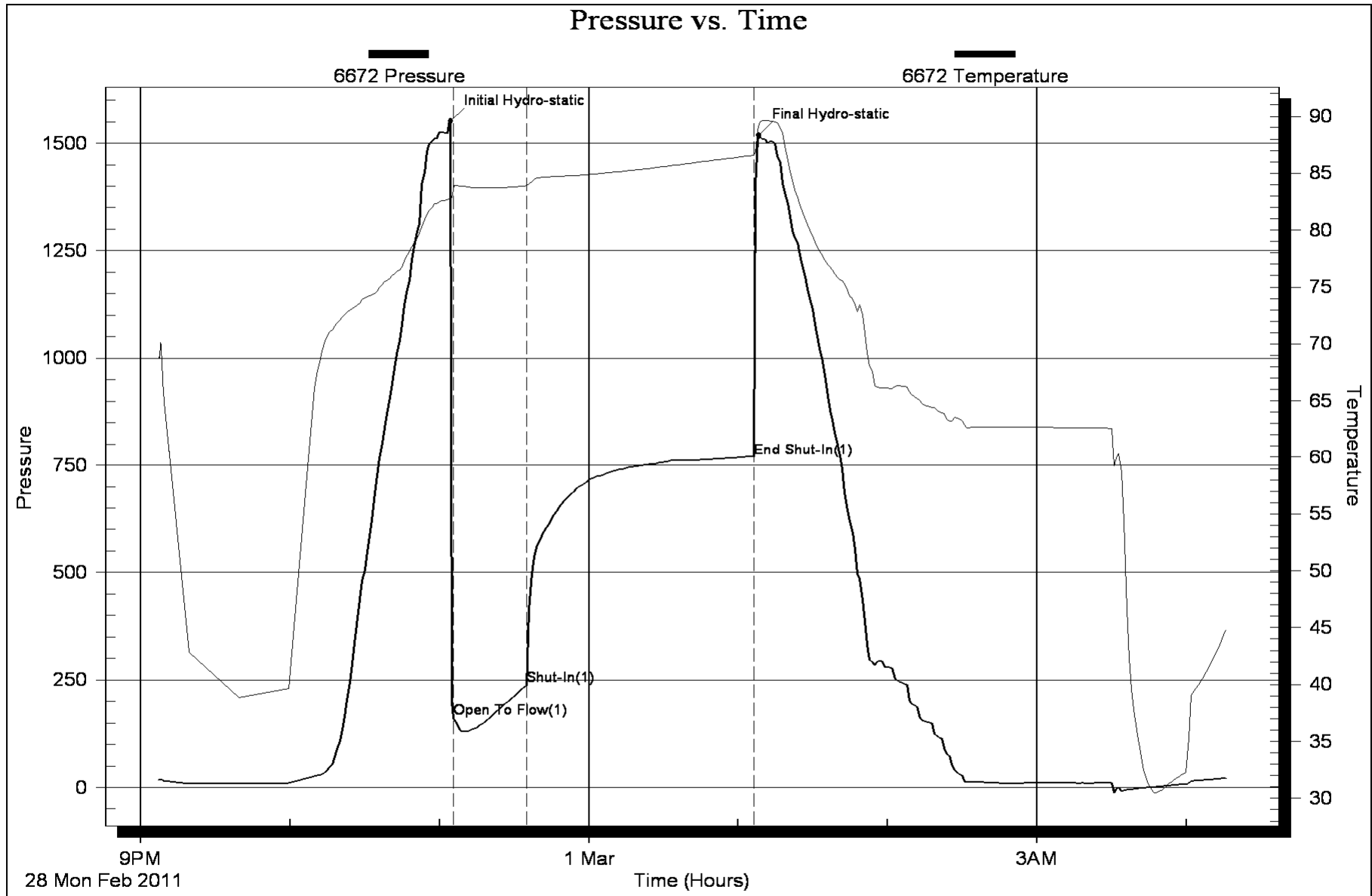
Num Gas Bombs: 0

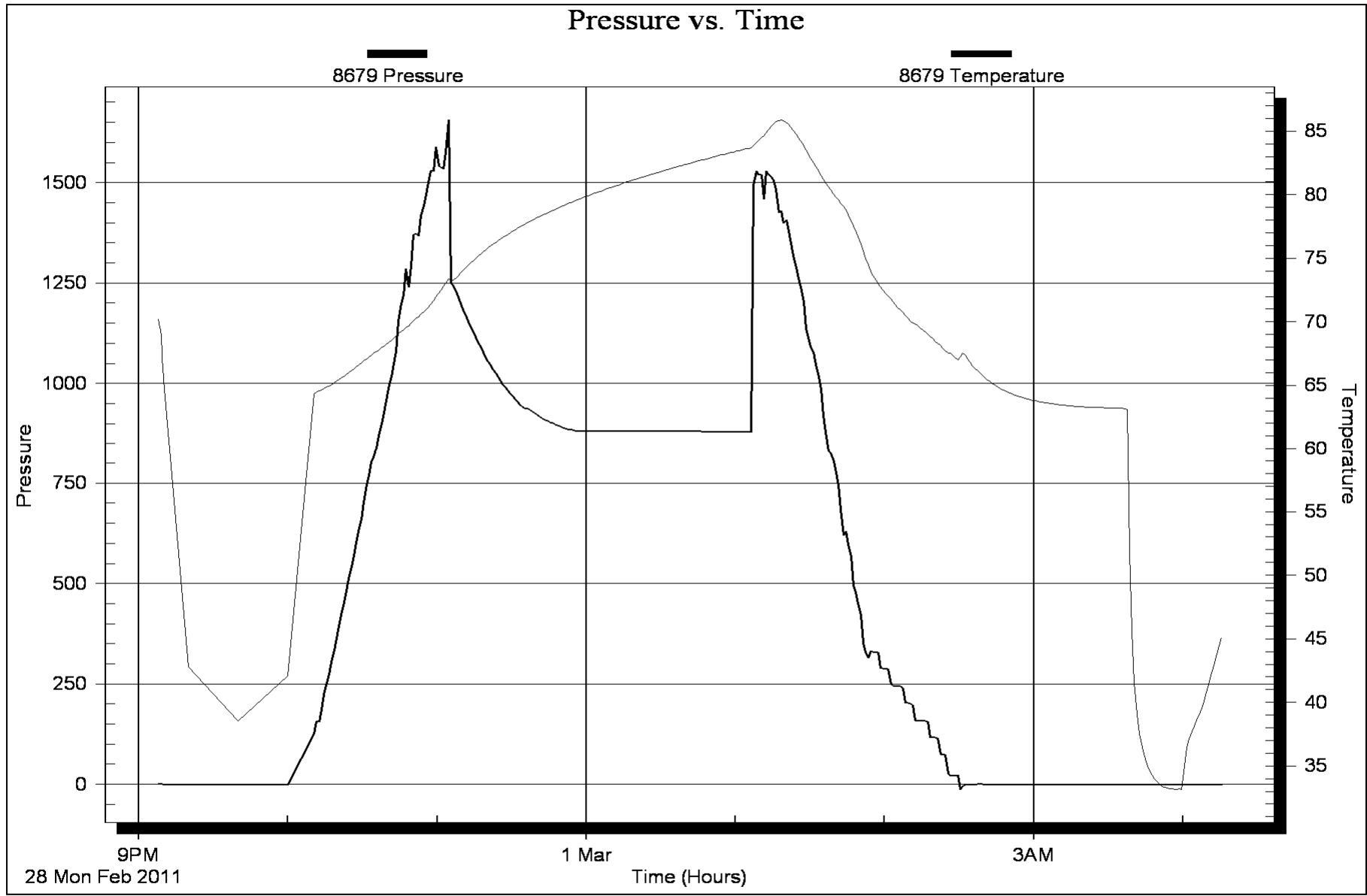
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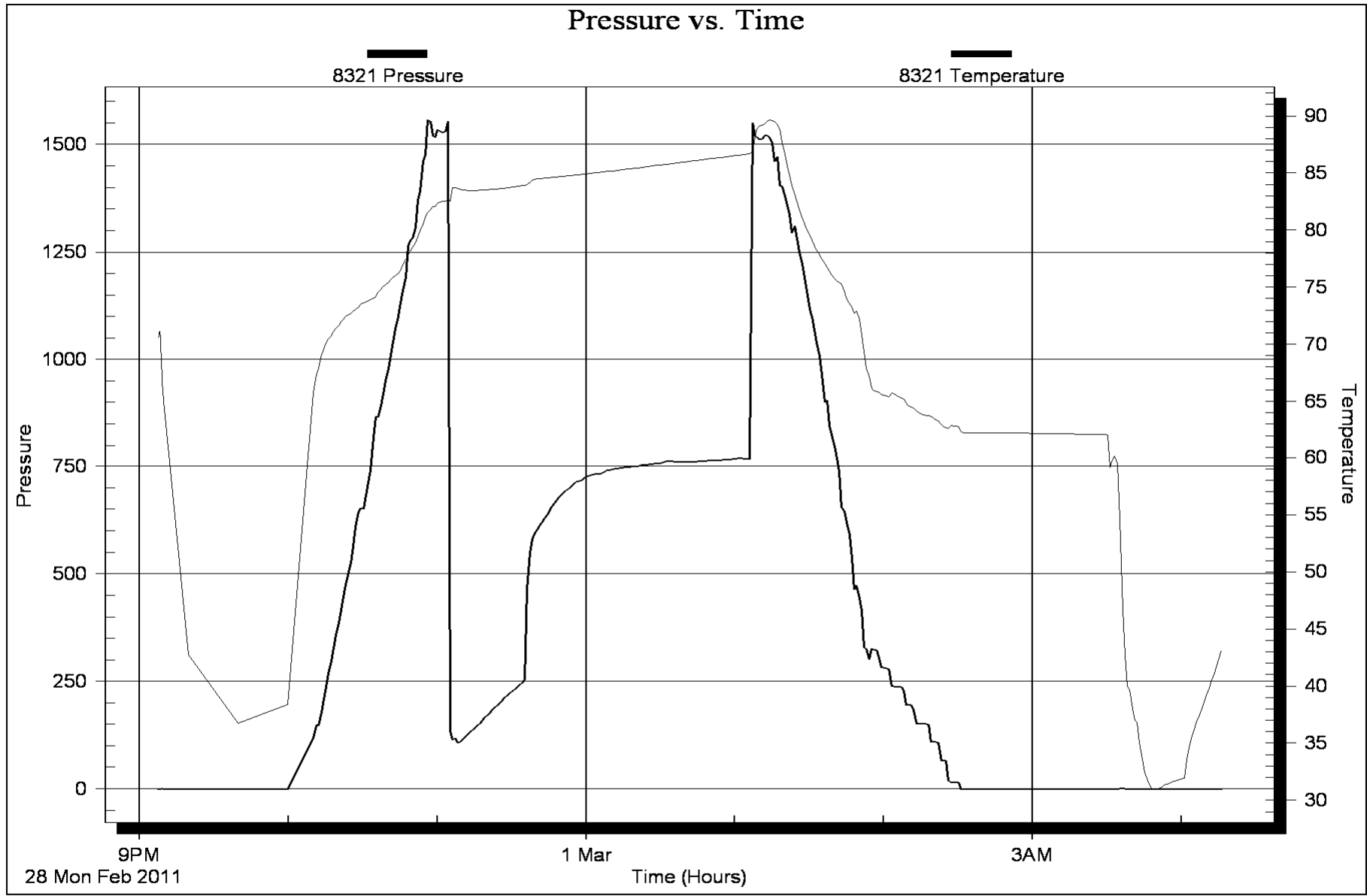
Laboratory Name:

Laboratory Location:

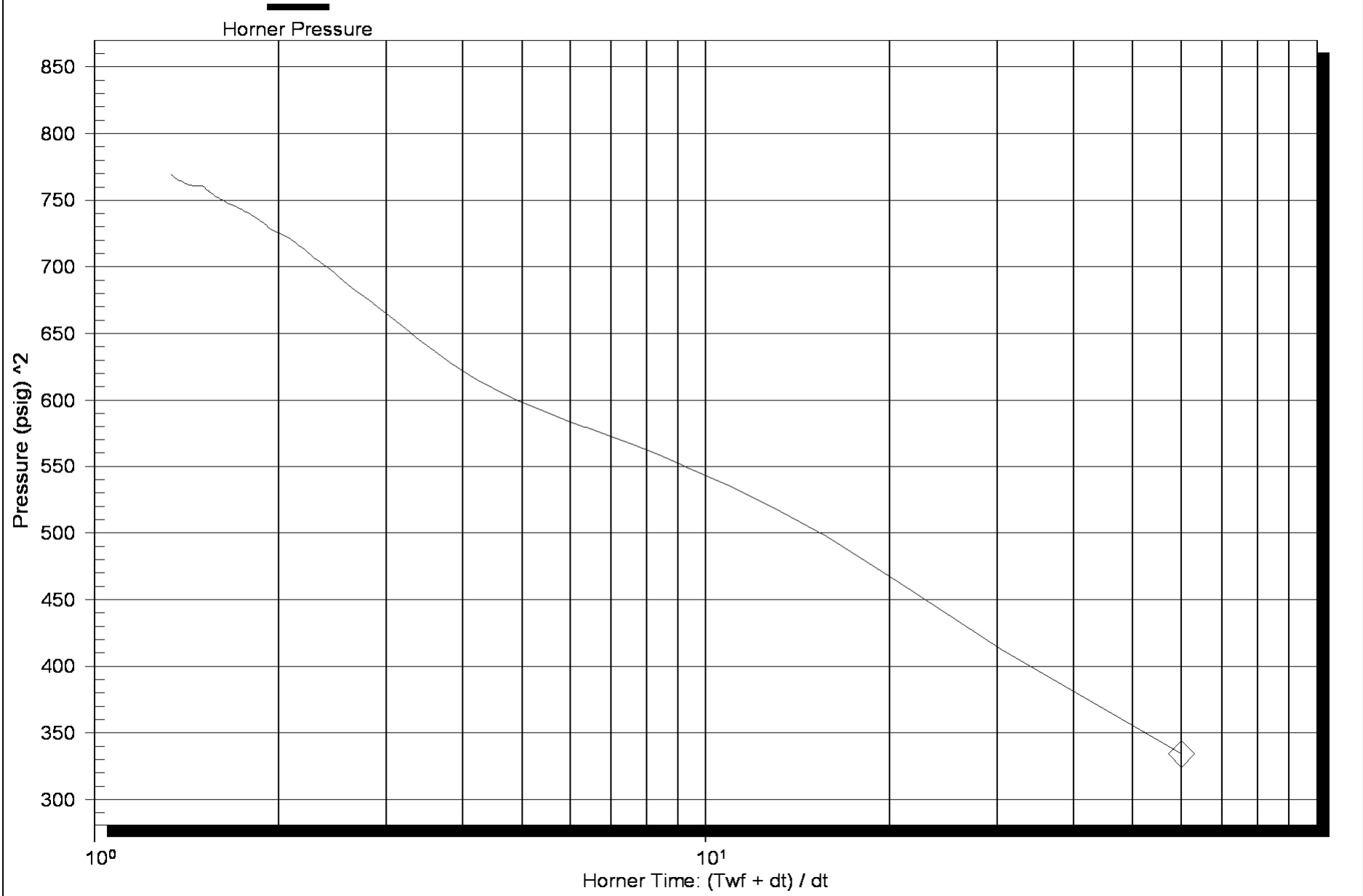
Recovery Comments: Samper-1100 ML total fluid-650 PSI 3 1/2 QF of gas 1100 ML of oil



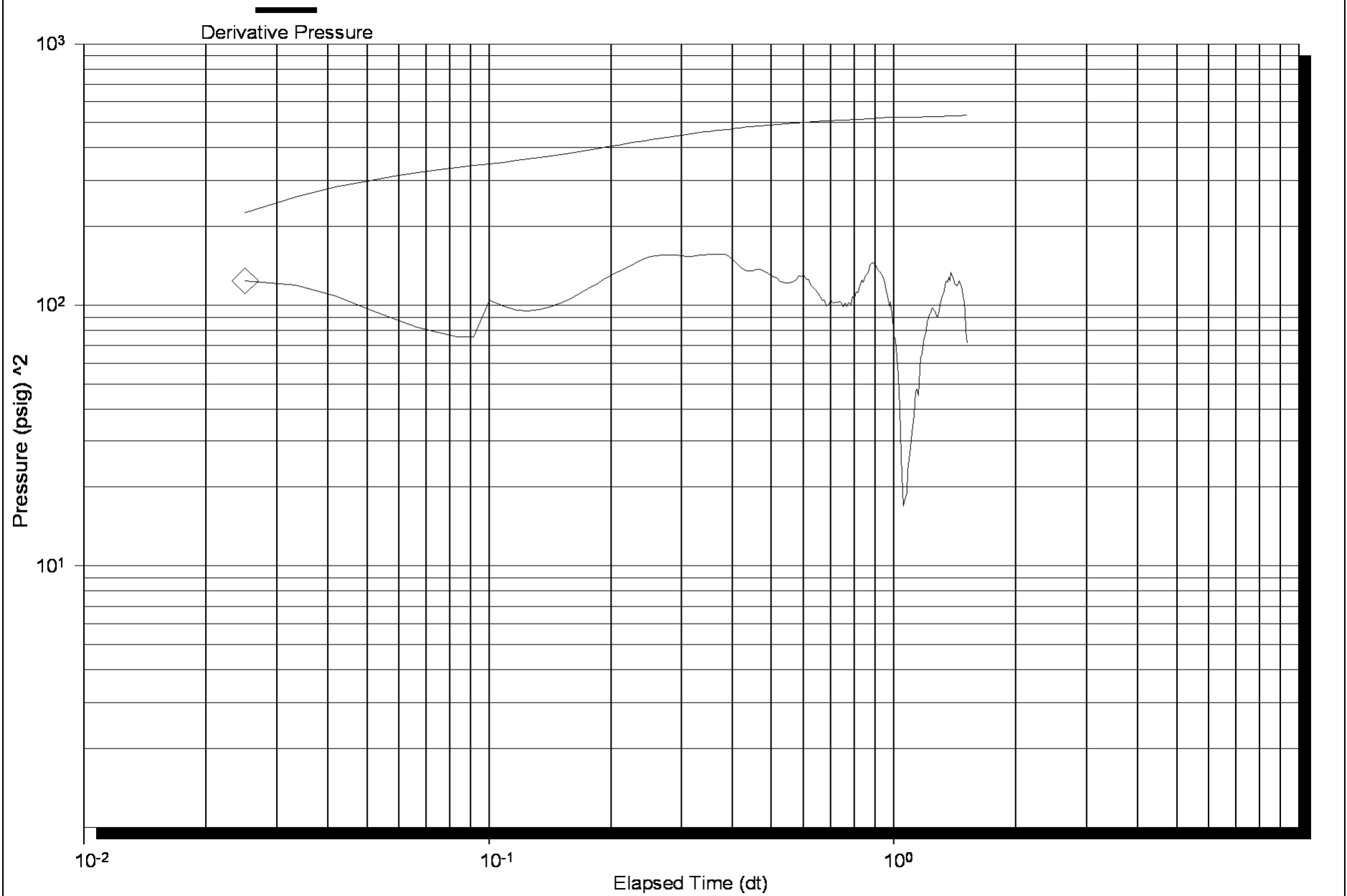


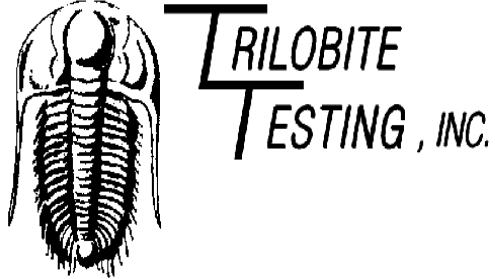


Horner Plot



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary & Associates, INC**

1515 Wynkoop ste 700
Denver Co 80202

ATTN: Clayton Camozzi

36-15s-16w Ellis

Boxberger 3-36

Start Date: 2011.03.01 @ 14:22:54

End Date: 2011.03.01 @ 22:24:24

Job Ticket #: 042854 DST #: 4

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042854

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2011.03.01 @ 14:22:54

GENERAL INFORMATION:

Formation: **LKC-I-J-K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:08:24

Time Test Ended: 22:24:24

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3367.00 ft (KB) To 3420.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3420.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 226.18 psig @ 3403.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.01

End Date:

2011.03.01

Last Calib.:

2011.03.01

Start Time:

14:22:55

End Time:

22:24:24

Time On Btm:

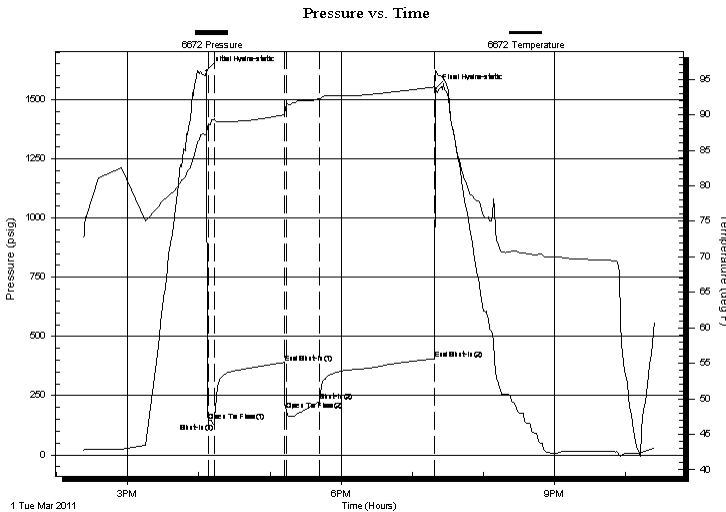
2011.03.01 @ 16:06:24

Time Off Btm:

2011.03.01 @ 19:19:54

TEST COMMENT: IFP-5 min-Strong blow BOB in 5 min
ISI-60 min-Fair blow back built to 4 in died back to 3 1/2 in
FFP-30 min-Stron blow BOB in 30 sec Gas to surface in 10 min
FSI-90 min-Strong blow back BOB in 30 s

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.34	87.38	Initial Hydro-static
2	143.71	88.54	Open To Flow (1)
7	132.33	89.50	Shut-In(1)
66	389.39	90.01	End Shut-In(1)
67	187.06	91.50	Open To Flow (2)
96	226.18	92.28	Shut-In(2)
192	405.50	93.89	End Shut-In(2)
194	1545.76	96.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	HOCGWM 12%M3%W40%G45%O	0.60
252.00	HOCGM 10%M40%G50%O	3.53
220.00	MCGO 5%M45%G50%O	3.09
0.00	2824 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042854

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2011.03.01 @ 14:22:54

Tool Information

Drill Pipe:	Length: 3328.00 ft	Diameter: 3.80 inches	Volume: 46.68 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 46.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3367.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3333.00	
Recorder	0.00	8679	Fluid	3333.00	
Drill Pipe	5.00			3338.00	
Shut In Tool	5.00			3343.00	
Sampler	2.00			3345.00	
Hydraulic tool	5.00			3350.00	
Jars	5.00			3355.00	
Safety Joint	3.00			3358.00	
Packer	4.00			3362.00	35.00 Bottom Of Top Packer
Packer	5.00			3367.00	
Stubb	1.00			3368.00	
Perforations	2.00			3370.00	
Change Over Sub	1.00			3371.00	
Drill Pipe	31.00			3402.00	
Change Over Sub	1.00			3403.00	
Recorder	0.00	6672	Inside	3403.00	
Recorder	0.00	8321	Outside	3403.00	
Perforations	14.00			3417.00	
Bullnose	3.00			3420.00	53.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates, INC

Boxberger 3-36

1515 Wynkoop ste 700
Denver Co 80202

36-15s-16w Ellis

Job Ticket: 042854

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2011.03.01 @ 14:22:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	HOCGWM 12%M3%W40%G45%O	0.601
252.00	HOCGM 10%M40%G50%O	3.535
220.00	MCGO 5%M45%G50%O	3.086
0.00	2824 GIP	0.000

Total Length: 535.00 ft Total Volume: 7.222 bbl

Num Fluid Samples: 0

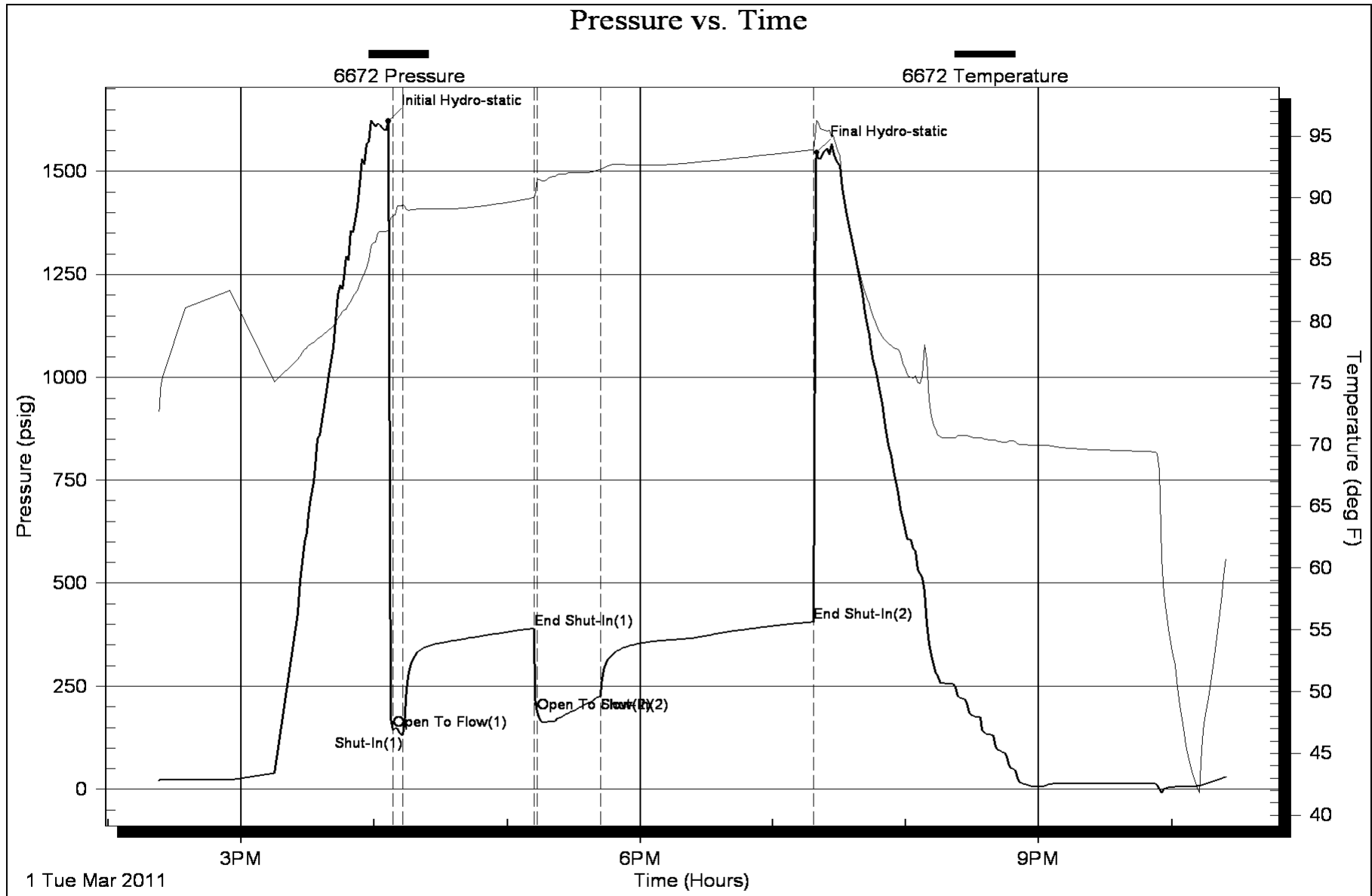
Num Gas Bombs: 0

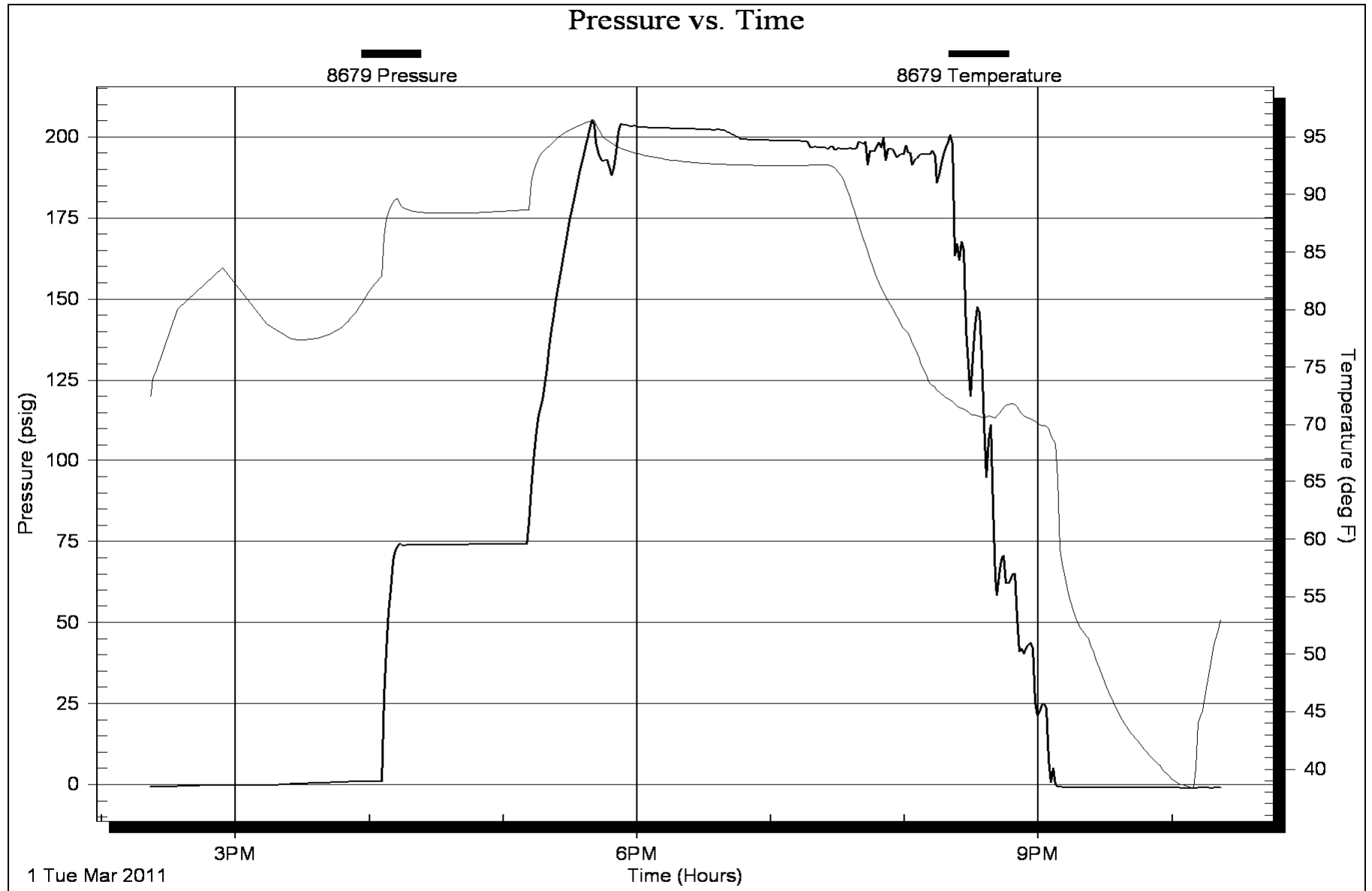
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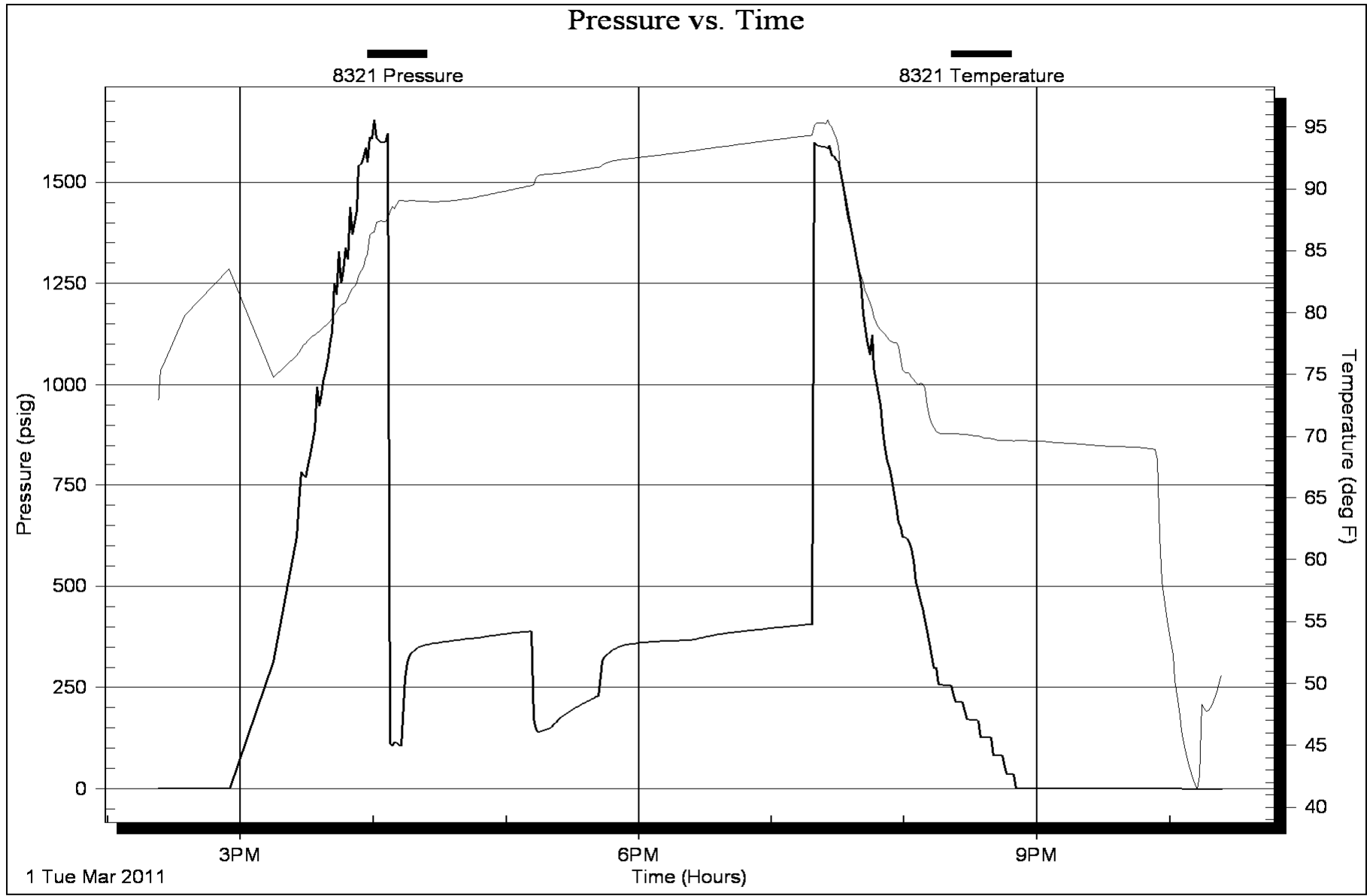
Laboratory Name:

Laboratory Location:

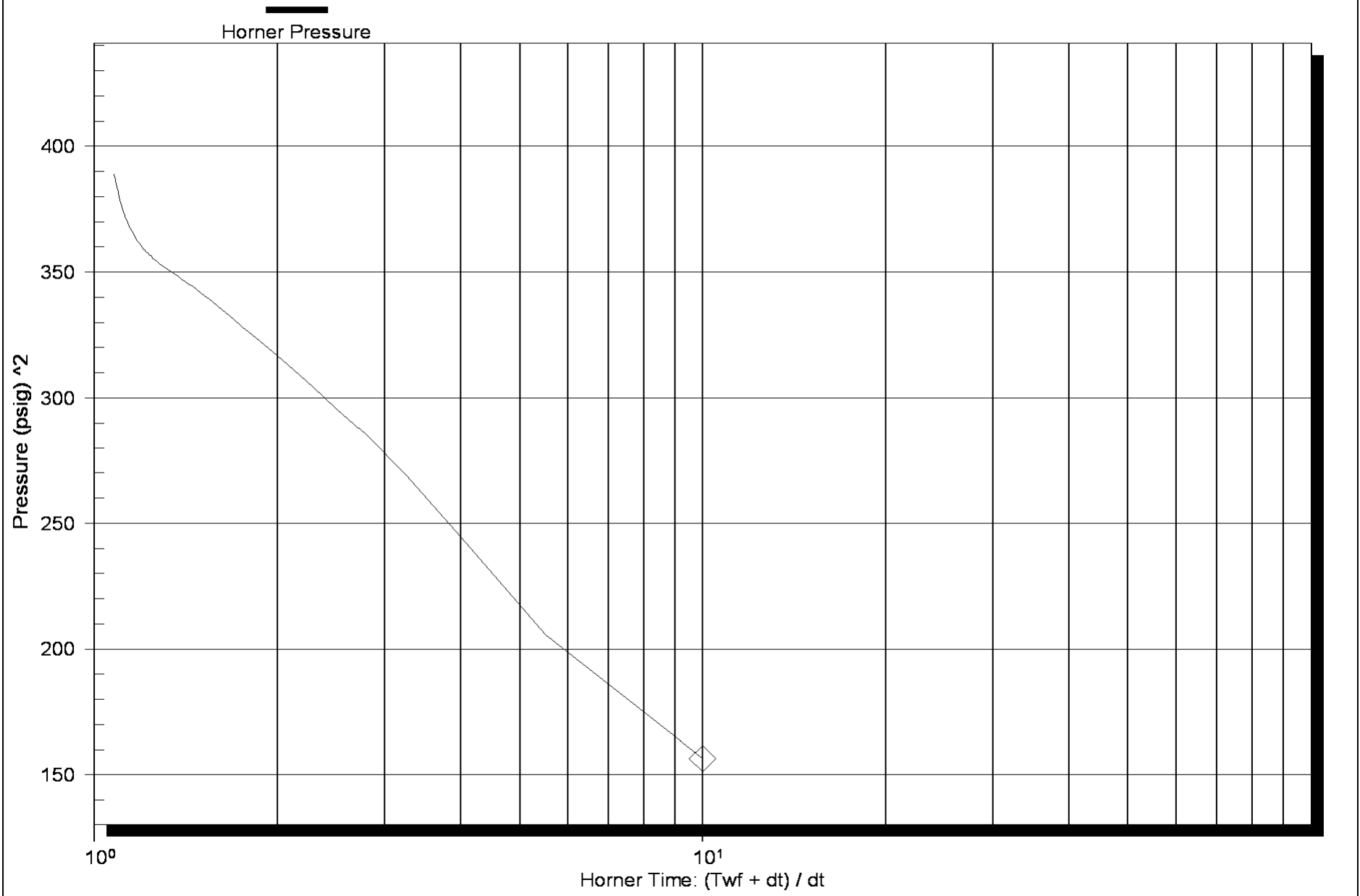
Recovery Comments: 500ML Total Fluid-350 PSI- 1 3/4 QF of gas 500 ML of oil



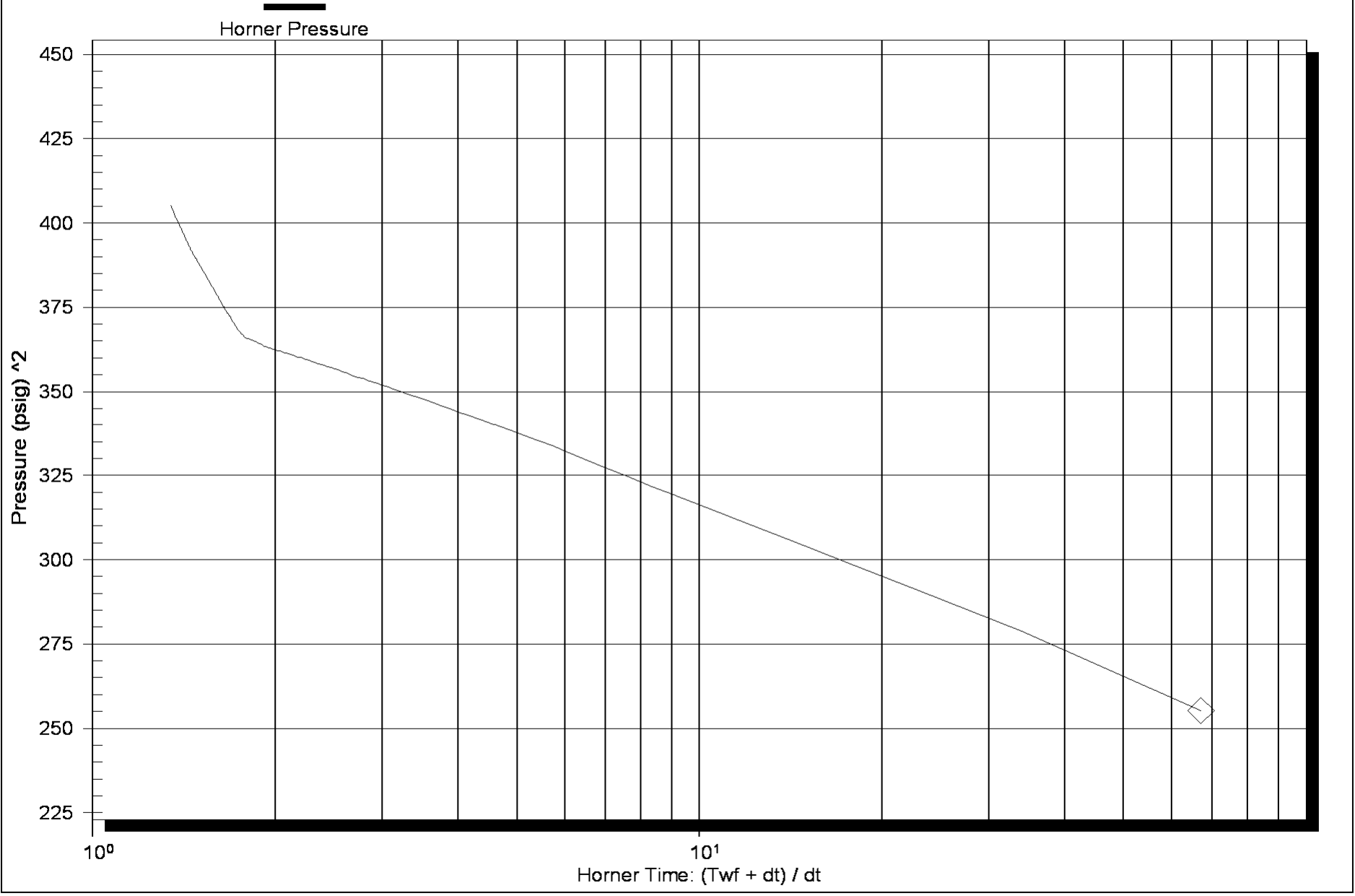




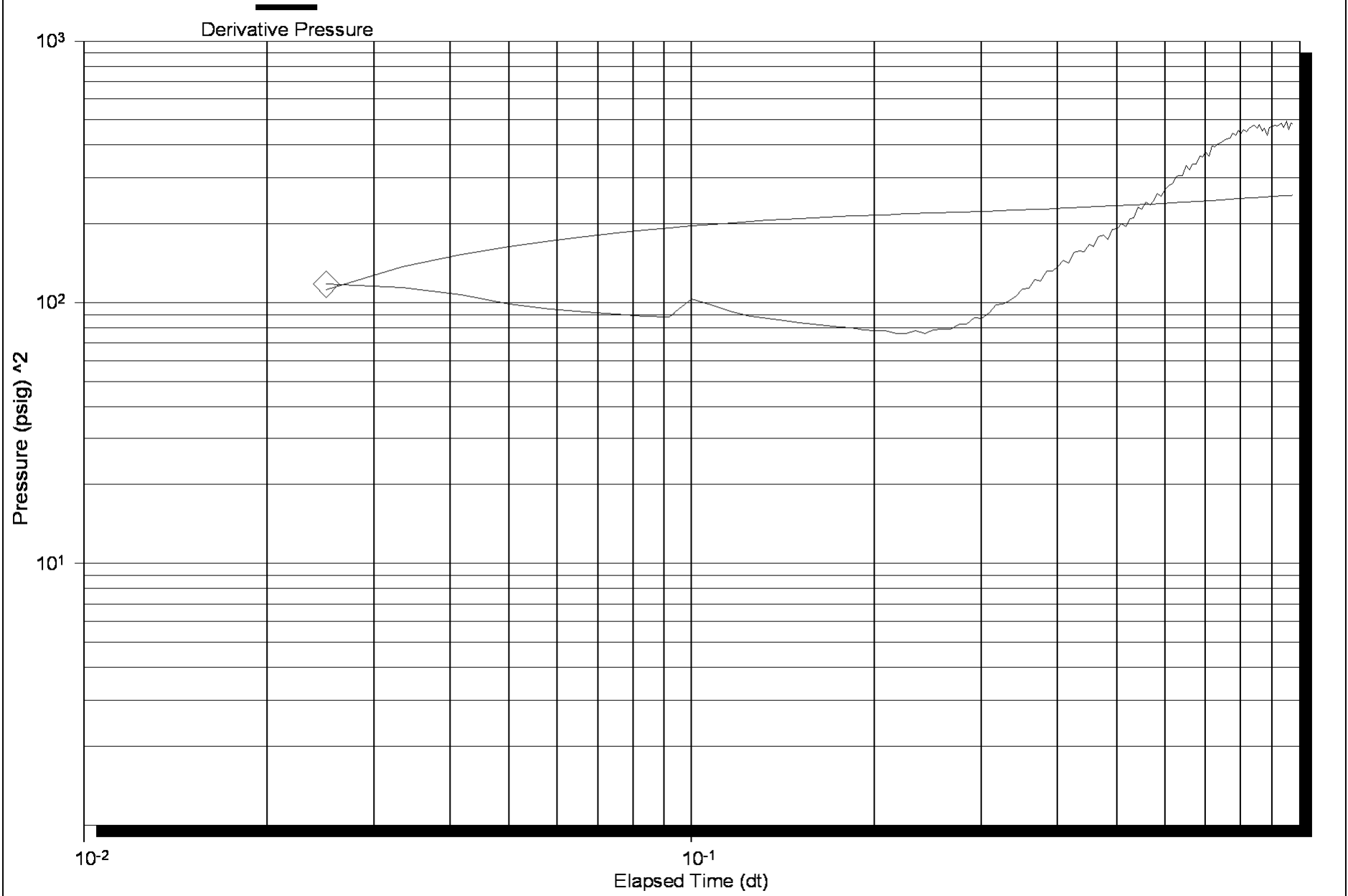
Horner Plot



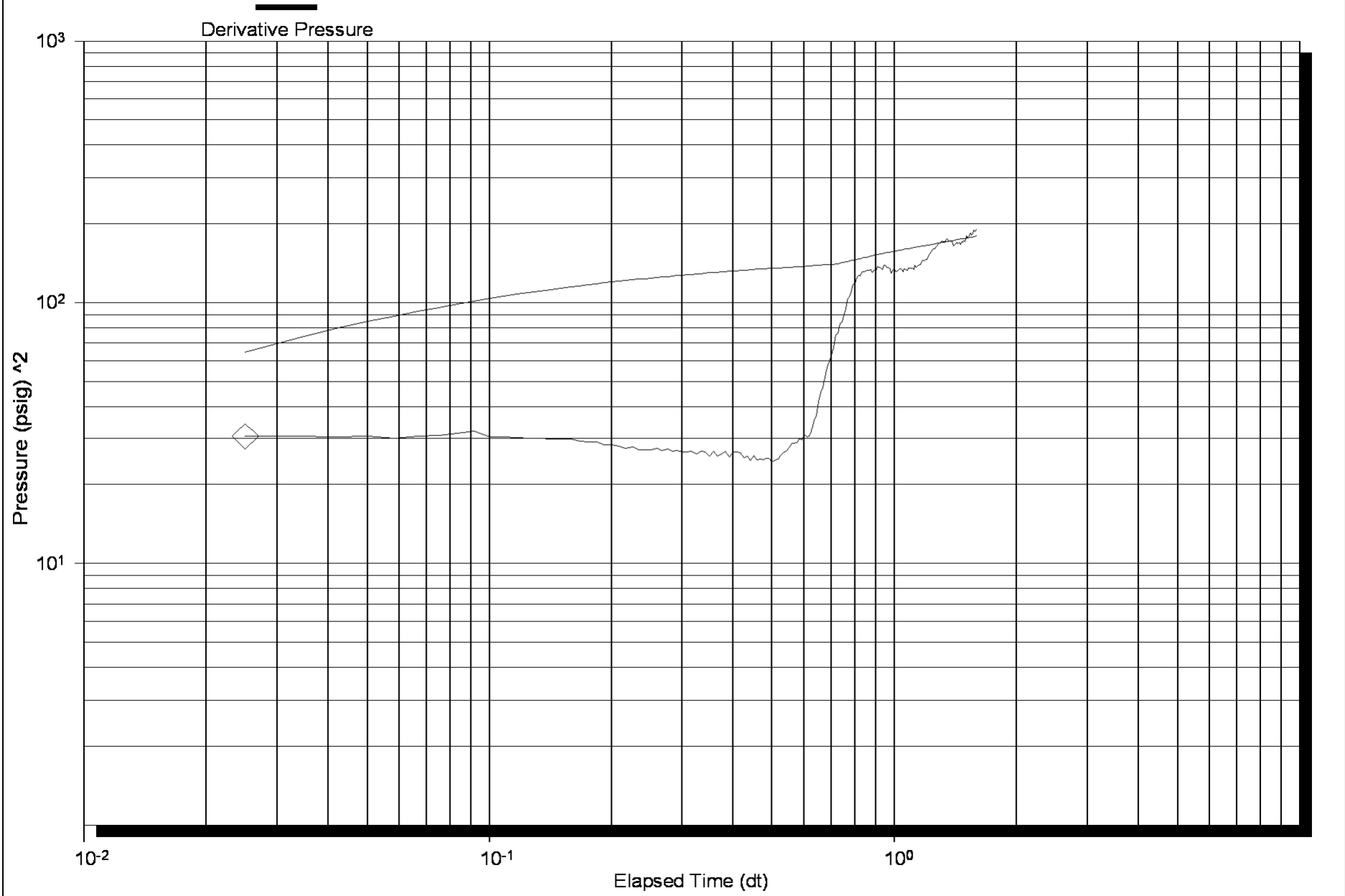
Horner Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





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

Well Name: BOXBERGER#3-36
Location: Sec 36 15s 16w, Ellis County, Kansas
License Number: 15-051-26100-0000
Spud Date: 02/23/2011
Surface Coordinates: 330 ' FSL /1890 ' FEL
Region: Wildcat
Drilling Completed: 03/02/11

Bottom Hole Coordinates:

Ground Elevation (ft): 1935' K.B. Elevation (ft): 1943'
Logged Interval (ft): 1770' To: 3635' Total Depth (ft): 3635'
Formation: Lansing, Arbuckle
Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Samuel Gary Jr, & Assoc.
Address: 1515 Wynkoop, 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

START UNMANNED UNIT 02/25/11
START UNMANNED UNIT 02/26/11
CFS/CTCH 3218' 20 ,40,60 5:55 AM
SHORT TRIP 3218'
CFS 3242 20,40,60
CTCH 3242' 1 HR
TOH FOR DST#1
RTN TO DRILLING 00:35 AM 02/28/11
CFS 3303' 20,40,60
TOH DST#2
CTCH 3303'
RTN TO DRILLING 4:40 PM 02/28/11
CFS/CTCH 3340' 20,40,60 TOTAL 1.5 HRS
TOH DST#3 STRADDLE
TIH AFTER DST#3
CTCH 1 HR 3340'
RTN TO DRILLING 7:50 AM 03/01/11
CFS 3407' 20,40, TOTAL 45 MIN
CFS 3420' 20,40,60 TOTAL 1.15 HRS
TOH FOR DST#4 1:25 PM 03/01/11
CFS 3520' 15,30,45
RTD 3635' AT 10:04 AM 03/02/11
CFS/CTCH 3635' 20,40,60 TOTAL 1.5 HRS

DST's Report

DST #1 3182-3242 ANCHOR 60', IFP:5 MIN STRONG BLOW BOB IN 1 MIN,ISI 60 MIN DEAD NO BLOW BACK
FFP 30 MIN STRONG BLOW BOB IN 30 SEC
FSI 90 MIN FAIR BLOW BACK BUILT TO 4.5" DIED BACK TO 4" RECOVERY 3' MO,15' MCO,109' HOCGM,63' OCGM
1386' GIP TOTAL 190' BHT 93 GRAVITY 46
IH 1544,FIF 271,FFF 603, ISI 677, SIF 300, SFF 643, FSI 684, FH 1471 TIMES: 5,60,30,90





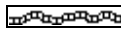



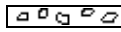



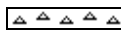




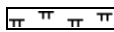







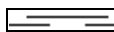
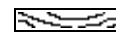




DST#2
3270'-3303' ANCHOR 33'
IFP 5 MIN STRONG BLOW BO 45 SEC
ISI 60 MIN WEAK BLOW BACK BUILT TO 1/8"
FFP 30 MIN STRONG BLOW BOB 30 SEC
FSI 90 MIN GOOD BLOW BACK BOB 14 MIN
RECOVERY 63' MCO,126'HOCGM,252'HOCGWM,63' SOCGM,31' VSOCM GIP 1417' TOTAL 535' BHT 98
GRAVITY 37 IH: 1555,FIF:172,FFF180,ISI:825,SIF:172,SFF:223,FSI:711,FH:1478
TIMES 5,60,30,90 MIN.

DST's Report

DST#3
3218'-3268'
IFP 30 MIN-STRONG BLOW BOB IN 1 MIN GAS TO SURFACE 15 MIN, ISI: 90 MIN- STRONG BLOW BACK BOB IN 30 SEC GAS TO SURFACE
RECOVERY 189' MCGO,252'HOCGM
146' MCGWO, 2613' GIP. TOTAL 587' BHT 87 DEG
GRAVITY: 42
IH:1551,FIF:162,FFF:238,ISI:769 FH:1519
TIMES:30,90 MIN

DST#4 3367'-3420' 53' ANCHOR
IFP:5 MIN STRONG BLOW BOB IN 5 MIN,
ISI: 60 MIN FAIR BLOW BUILT TO 4 " DIED BACK TO 3.5",
FFP: 30 MIN STRONG BLOW BOB IN 30 SEC GAS TO SURFACE 10 MIN.
FSI: 90 MIN STRONG BLOW BOB IN 30 SEC GAS TO SURFACE.
RECOVERY 220' MCGO,252' HOCGM,63'HOCGW 2824 GIP
TOTAL RECOVERY 535' BHT 94, GRAVITY 36
IH:1621,FIF:144,FFF:132,ISI:389,SIF 187,SFF:226,FSI:406,FH:1546
TIMES 5,60,30,90

ROCK TYPES

	Anhy		Gyp		Shgy		Sandylms
	Bent		Igne		Sltst		Shale
	Brec		Lmst		Ss		Sltstn
	Cht		Meta		Till		Shlyslts
	Clyst		Mrlst		Carb sh		Sltyslts
	Coal		Salt		Dol		Sltyslts
	Congl		Shale		Dtd		Lms
	Dol		Shcol		Gry sh		

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- 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

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

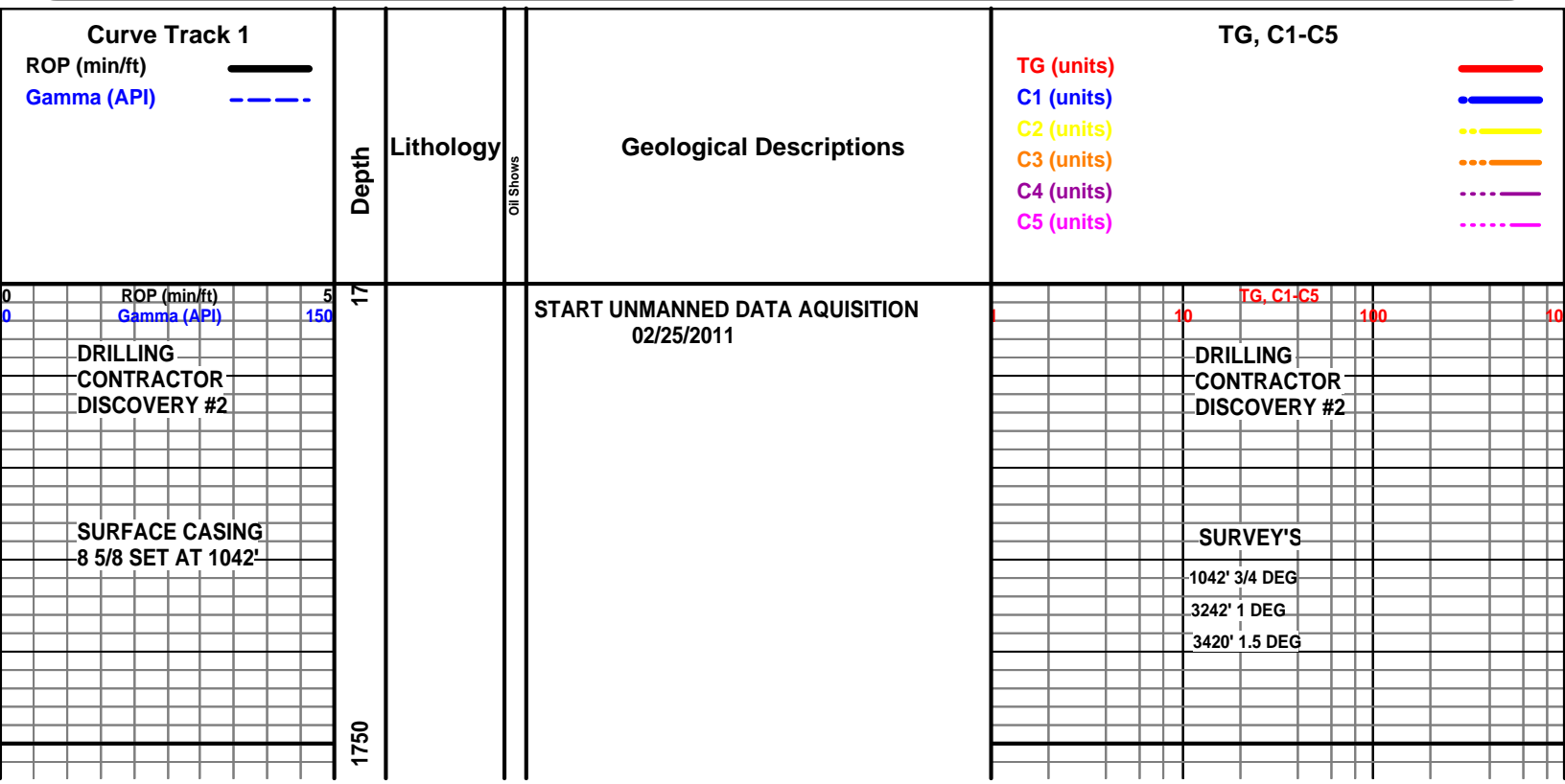
- Even
- Spotted
- Ques
- Dead
- Gas show

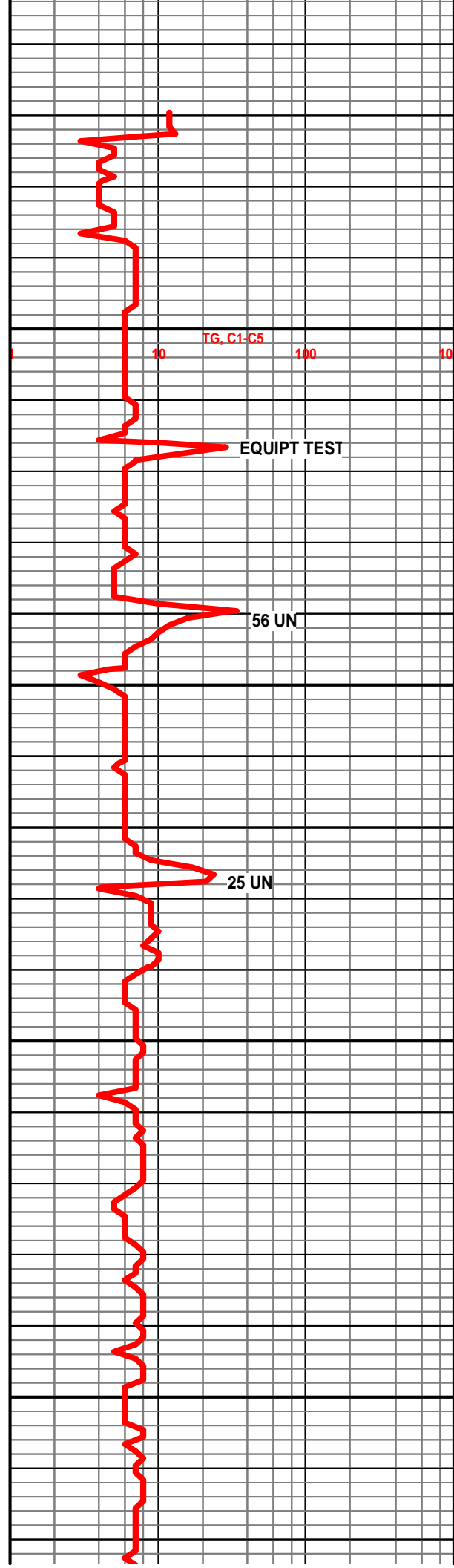
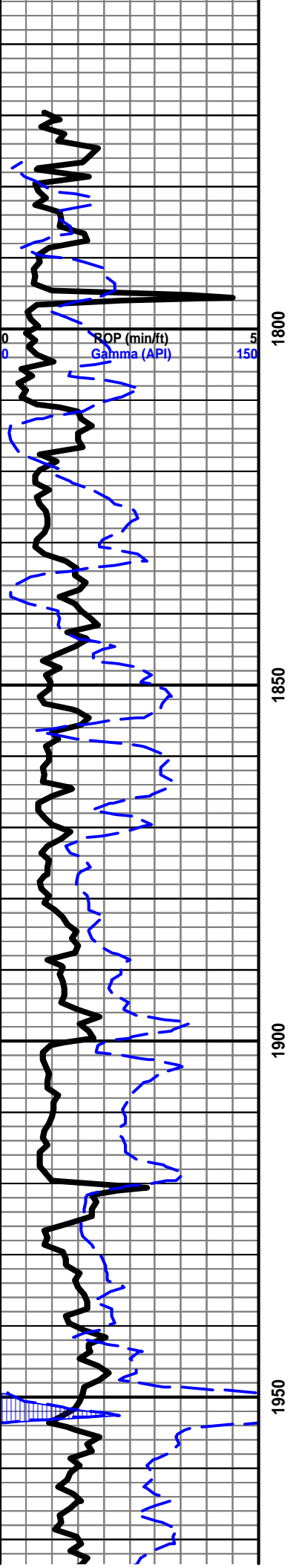
INTERVALS

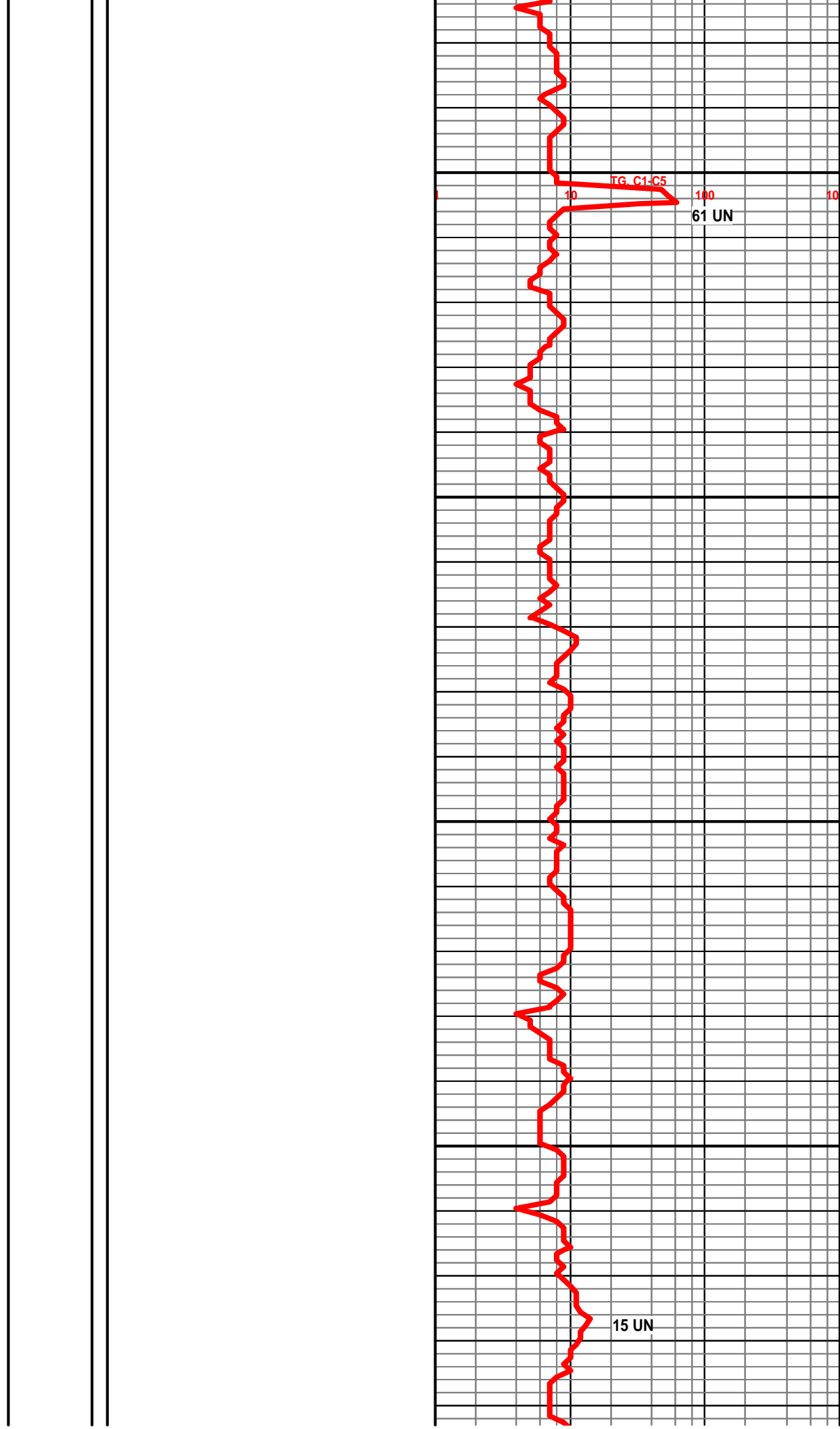
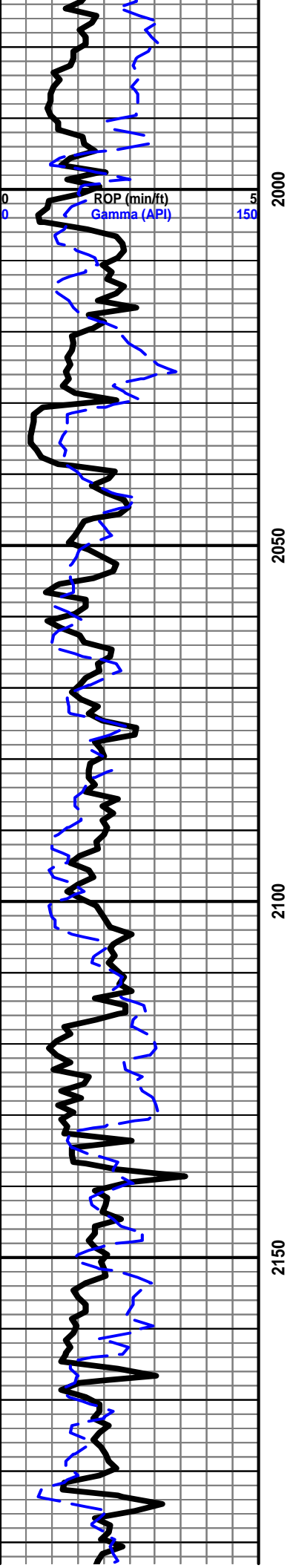
- Core
- Dst
- Dst

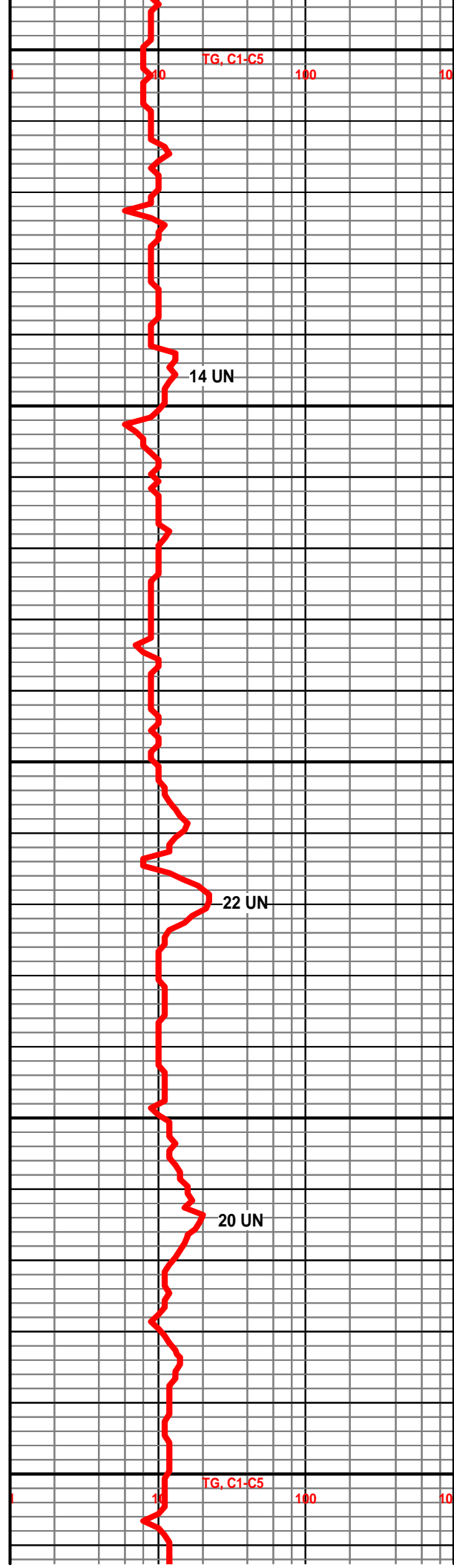
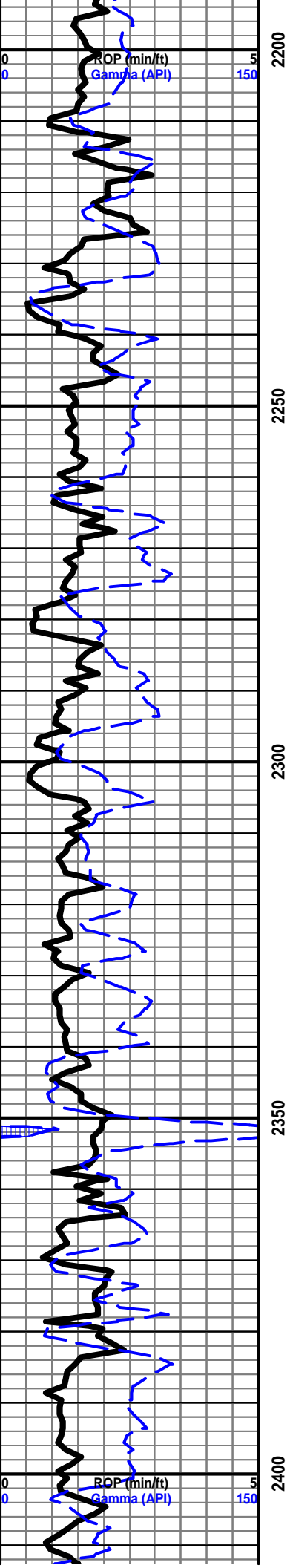
EVENTS

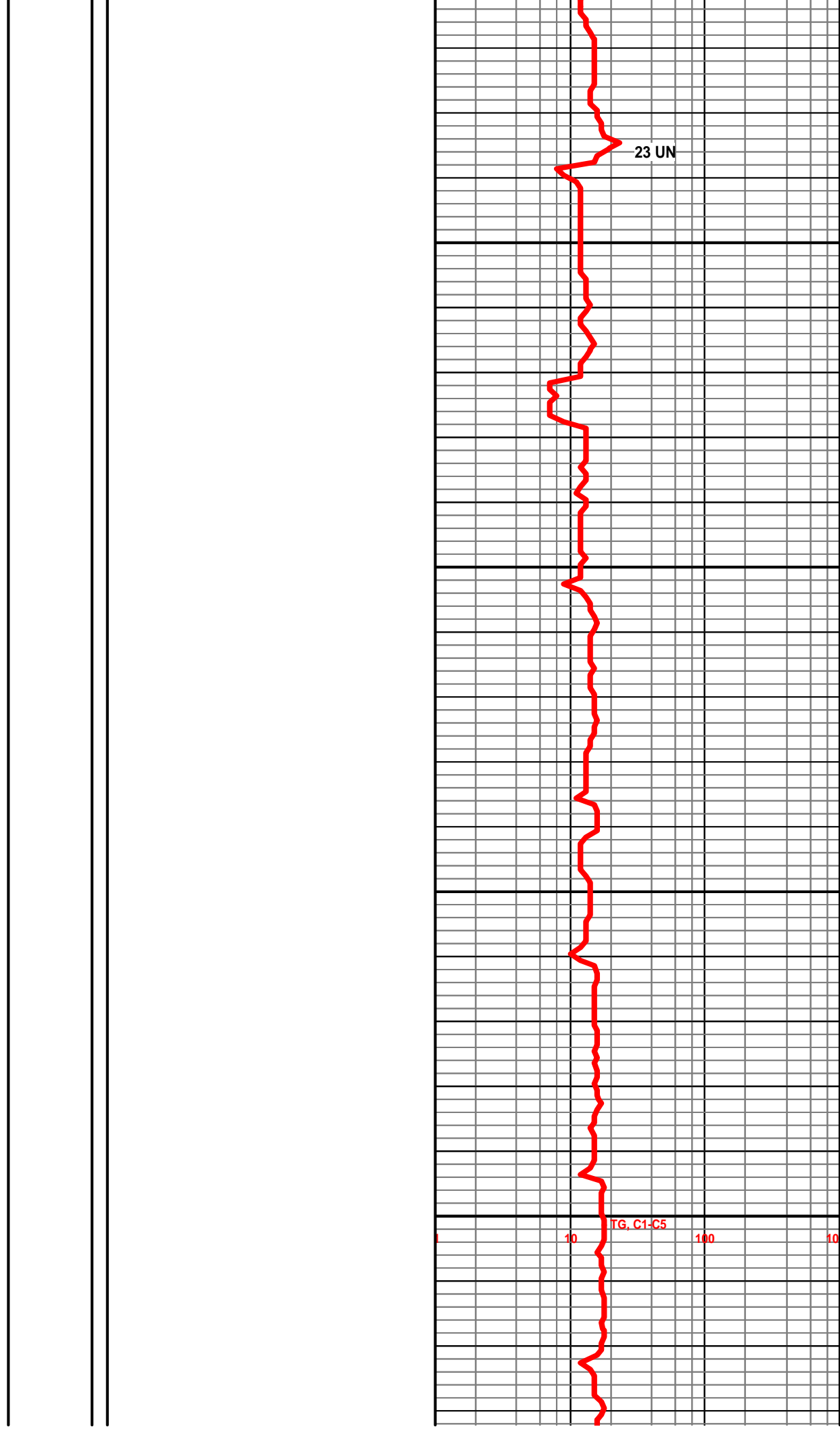
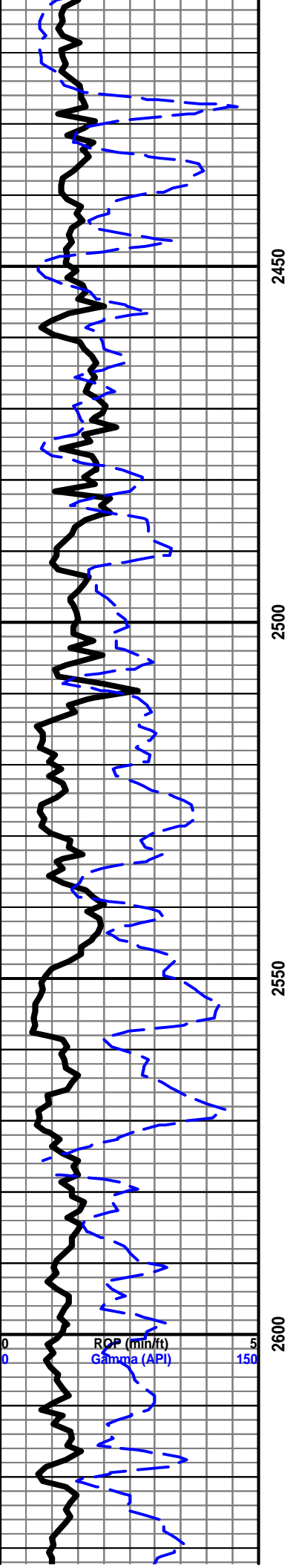
- Rft
- Sidewall

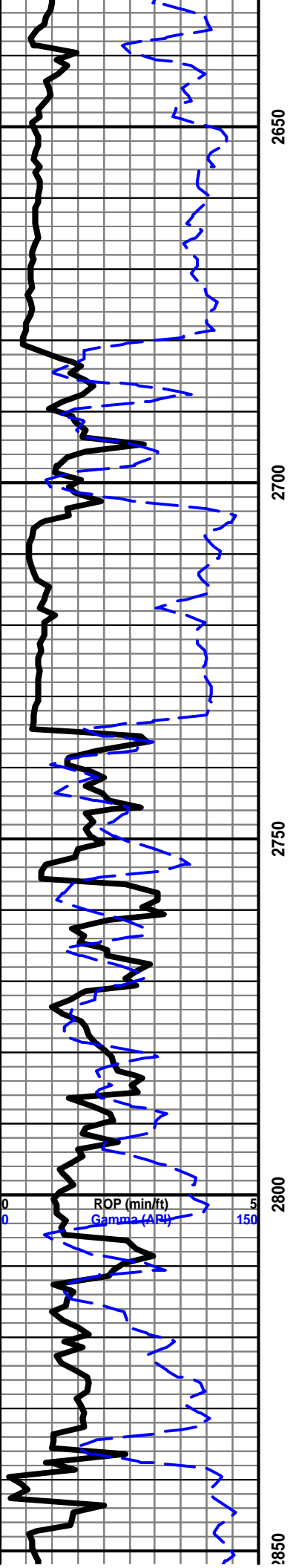




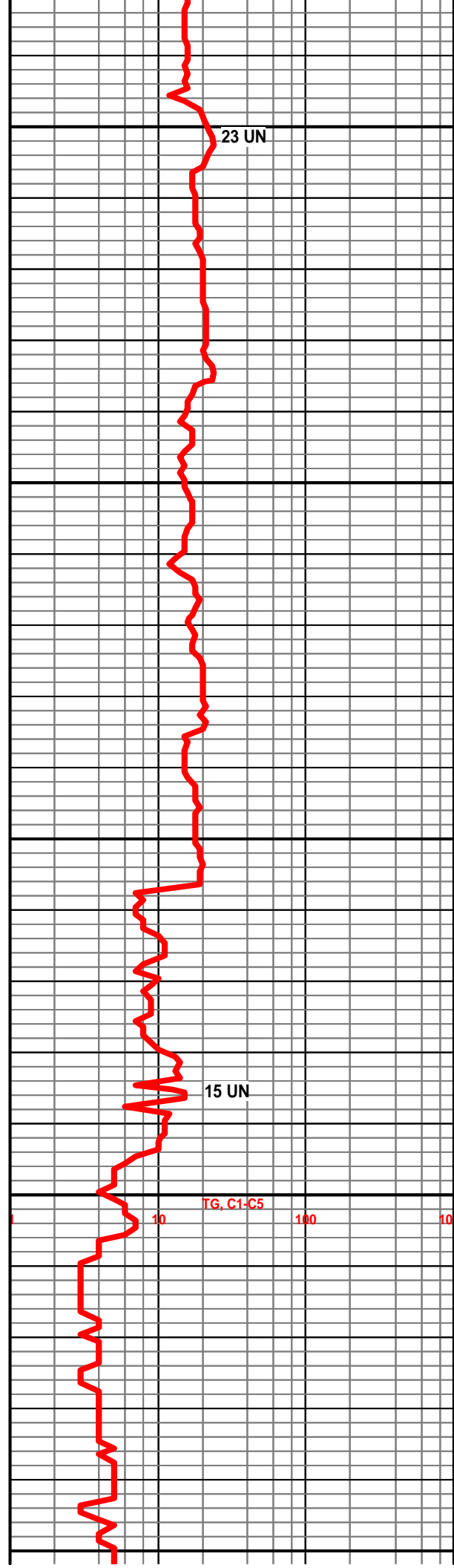








BASE ROOT SHALE 2680' -737'



23 UN

15 UN

TG, C1-C5

HOWARD 2864' -921'

START ONE MANNED UNIT
02/26/11 7:05 PM

LS DK TN TO TN GRY BUFF MOTT HD DN
BRITT VFN TO FN XLN MTX RE-XLN MTX TR
IMBD FOSS SCATT LT YLW FLO IP NO VIS
POR NO CUT NO VIS SHOW

SEVERY 2920' -977'

SH GRY TO LT GRY SFT SILTY

TOPEKA 2928' -985'

LS TN LT TN GRY CRM BUFF HD N TT BRITT
CRYPTO TO VVFN TO FN XLN MTX TR LT YLW
FLO NO VIS POR NO CUT NO VIS SHOW

LS LT TN CRM BUFF HD TO FRM BRITT VFN
TO FN TR MD XLN MTX RE-XLN MTX TR IMBD
FOSS SUB-CHLKY TR PP TO MICRO PP POR
IP TO TR VUGS SCATT LT YLW FLO IP NO
CUT NO VIS SHOW

LS TN LT TN LT GRY HD FRM BRITT VFN TO
FN XLN MTX NO FLO NO VIS POR NO VIS
SHOW

LS TN LT TN CRM BUFF HD DN BRITT VVFN
TO FN XLN MTX TR LOOSE FOSS FRG IN
TRAY NO FLO NO VIS POR NO VIS SHOW

LS LT TN LT GRY TO BUFF MOTT HD TO FRM
SUCRO TXT TR IMBD PYR IP LT YLW FLO TO
NO FLO NO VIS POR NO CUT NO VIS SHOW

SH DK GRY TO GRY HD SMOOTH BRITT

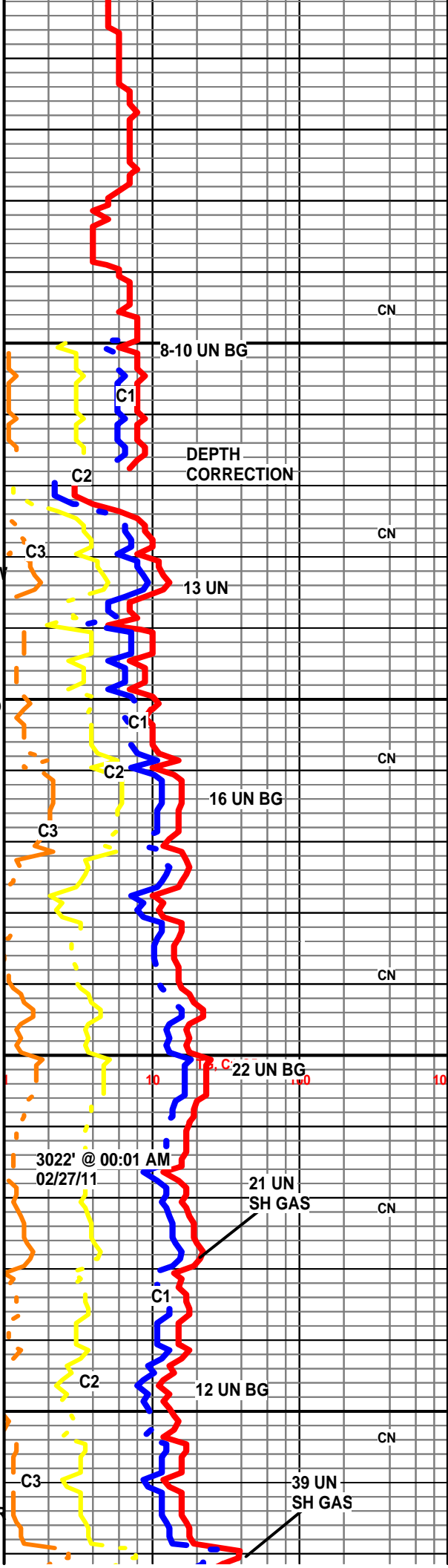
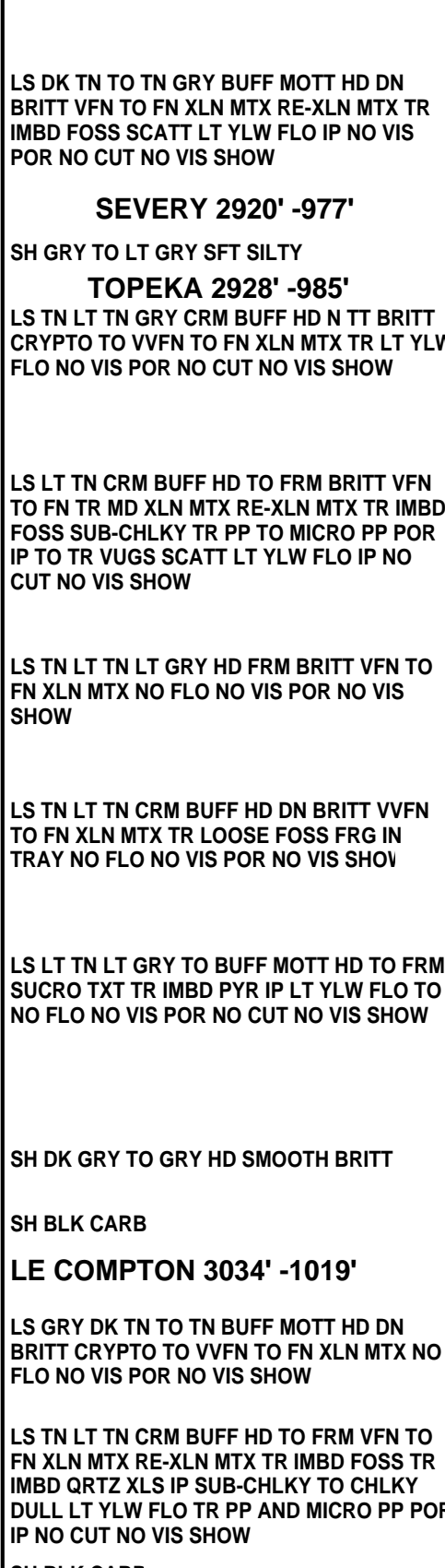
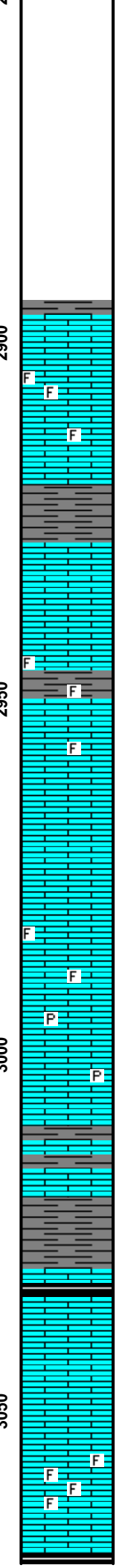
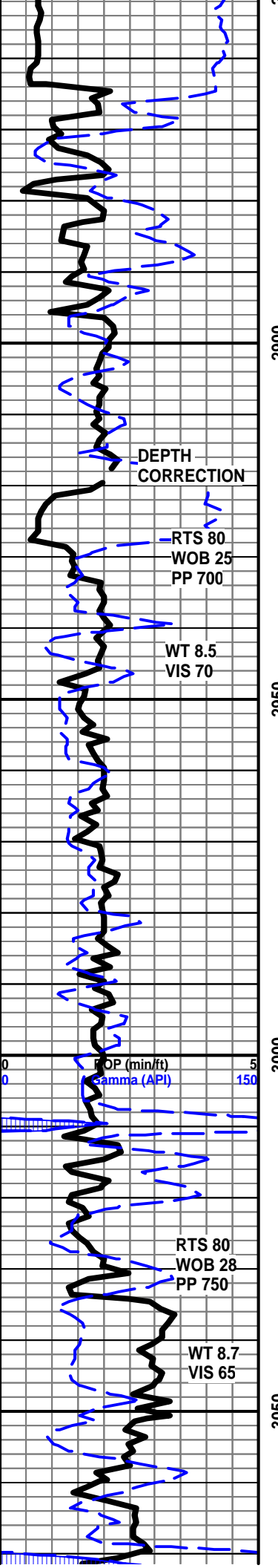
SH BLK CARB

LE COMPTON 3034' -1019'

LS GRY DK TN TO TN BUFF MOTT HD DN
BRITT CRYPTO TO VVFN TO FN XLN MTX NO
FLO NO VIS POR NO VIS SHOW

LS TN LT TN CRM BUFF HD TO FRM VFN TO
FN XLN MTX RE-XLN MTX TR IMBD FOSS TR
IMBD QRTZ XLS IP SUB-CHLKY TO CHLKY
DULL LT YLW FLO TR PP AND MICRO PP POR
IP NO CUT NO VIS SHOW

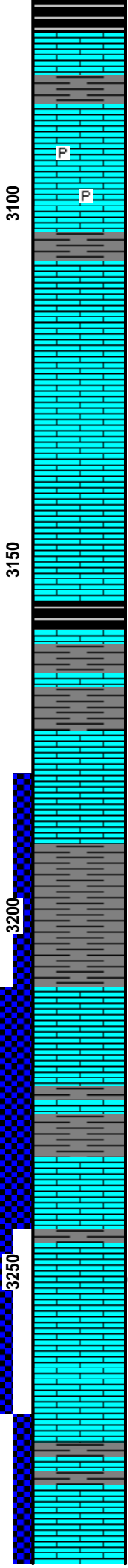
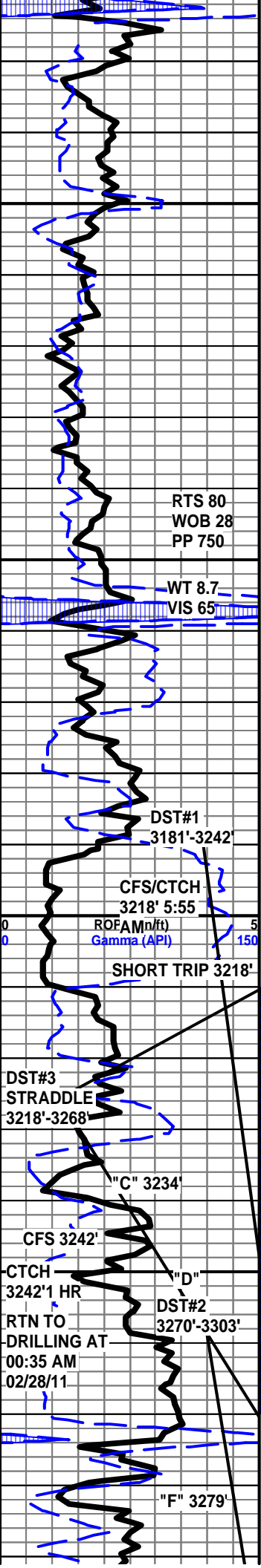
SH BLK CARB



3022' @ 00:01 AM
02/27/11

21 UN
SH GAS

39 UN
SH GAS



SH BLK CARB

LS GRY TN HD DN TT CRYPTO XLN MTX DISS
BLK CARB SH IP NO FLO NO VIS POR NO VIS
SHOW

LS TN LT TN CRM BUFF HD DN TT CRYPTO
TO VVFN XLN MTX TR IMBD PYR NO FLO NO
/IS POR NO VIS SHOW

SH LT GRY SMOOTH SPLNTY TO LMY

LS TN LT TN BUFF HD TO FRM VFN TO FN
XLN MTX DISS DK GRY TO BRN SH IP NO
FLO NO VIS POR NO VIS SHO

LS LT TN LT GRY CRM BUFF MOTT HD TO
FRM VFN TO FN XLN MTX SUCRO TXT WITH
TR IMBD LS GRNS IP SUB-CHLKY DULL YLW
FLO POSS TT INTER XLN POR TO TR MICRO
PP POR NO CUT NO VIS SHOW

HEEBNER 3156' -1213'

SH BLK CARB

SH GRY LT GRY SMOOTH SPLNTY FRM TO LT GRY SFT
SILTY

LS LT TN CRM BUFF TO OFF WHT HD FRM BRITT
CRYPTO TO VVFN TO FN XLN MTX PCS QRTZ XLS LOOSE
IN TRAY TR IMBD QRTZ XLS TR CALC XLS IP DULL GLDN
YLW FLO 35% LT YLW FLO 15% LT OIL STAIN 5% TO TI
LIVE OIL ON TWO ROCKS POOR ODOR TR PP AND
MICRO PP POR 5% TO TR VUG POOR TT INTER XLN POR
IP ONLY INSTANT FLUSH CUT TO SPOTTY SLOW MILKY
BLUE STREAM CUT SLT TR OIL LEACH ON DISH

DOUGLAS 3190' -1247'

SH LT GRY SFT SILTY THRU

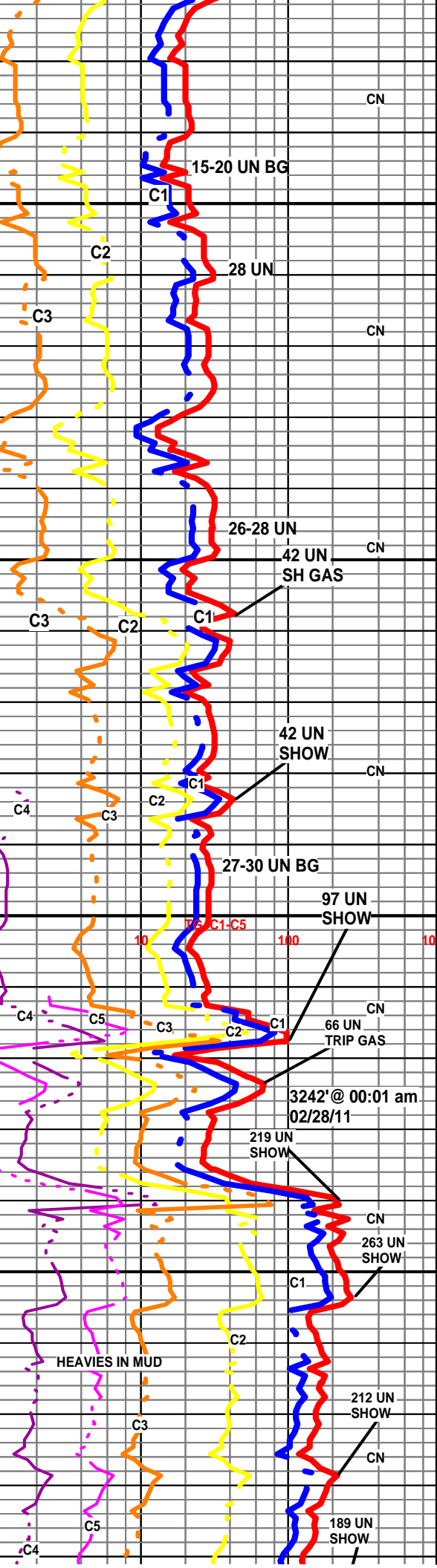
LANSING 3210' -1267'

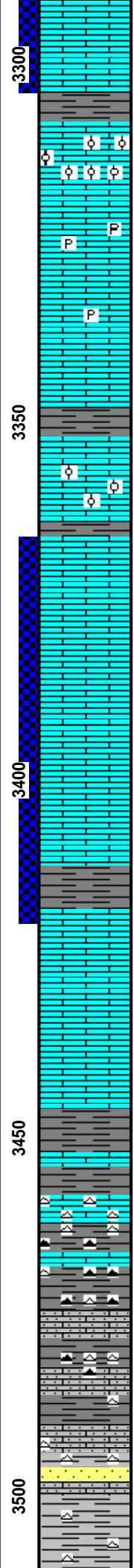
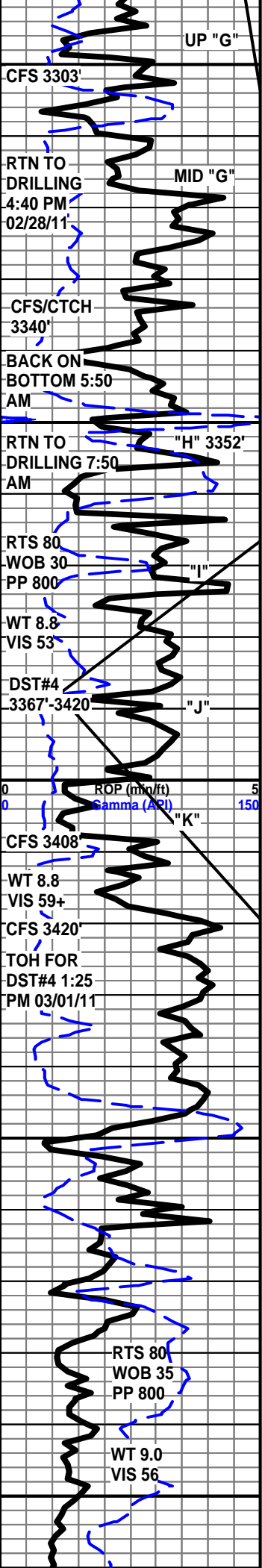
LS LT TN CRM BUFF TO OFF WHT HD TO FRM BRITT
VVFN TO FN XLN MTX RE-XLN MTX TR IMBD FOSS IMBD
CALC XLS IN VUGS TR BRILE YLW FLO 40% TO DULL
GLDN YLW FLO 10% STAIN ON 10% FAIR TO GOOD ODC
THRU TR POOR INTER XLN TO POOR TO TR FAIR VUG
POR TO TR MICRO PP POR POSS FRACTURING IP POOR
TO FAIR FLUSH CUT TO SLOW MILKY BLUE STREAM CUT
10% TO LT BRITE YLW GRN RING CUT

3234'-3242' LT TN DUE TO STAIN 50% CRM BUFF TO OFF
WHT FRM BRITT VFN TO FN TO MD XLN MTX RE-XLN MTX
IMBD VRY SM TO SM TR MD CALC XLS IMBD OOLITIES
AND FOSS THRU FAIR TO GOOD TO EXCL ODOR THRU
STAIN 50% WITH TR LIVE OIL BRITE GLDN YLW FLO 60%
LT YLW FLO 35% TO DULL YLW FLO 10% FAIR TO GOOF
INTER XLN POR FAIR TO GOOD VUG POR FAIR TO GOOD
INSTANT FLUSH CUT TO GOOD STRONG MILKY BLUE
STREAM CUT.

3248'-3253' LS TN LT TN CRM BUFF HD TO FRM BRITT FN
TO TR MD XLN MTX RE-XLN MTX IMBD OOLITES IMBD
CALC XLS IN VUGS TR OOLICASTS IP SUB-CHLKY IP
STAIN 40% POOR TO FAIR ODOR BRITE YLW FLO 60%
POOR TO TR FAIR INTER XLN POR FAIR VUG POR TO
POSS INTER FOSS POR FAIR FLUSH CUT TO SLOW
MILKY BLUE STREAM CUT TR BRN LEACH ON DISH

3279'-3283' LS LT TN CRM TO OFF WHT FRM BRITT VVFN
TO FN XLN MTX SUCRO TXT TR IMBD QRTZ XLS TR IME
SM OOLITES WITH IMBD CALC XLS FAIR ODOR DULL
GLDN YLW FLO 20% TO LT YLW FLO 40% STAIN 35% TR
POOR TO POSS FAIR INTER XLN TO FAIR VUG POR TR
POSS INTER FOSS POR IP FAIR FLUSH CUT TO SLOW
MILKY BLUE STREAM CUT





3294'-3299' LS TN LT TN CRM BUFF TO OFF WHT FRM BRITT VFN TO FN XLN MTX RE-XLN MTX ABUNDT IMBD OOLITES AND FOSS CLUSTERS OF SM TO MD OOLITES WITH IMBD CALC XLS SUB-CHLKY IP SATURATED STAIN 5% TO LT STAIN 35% FAIR ODOR GLDN YLW FLO 10% LT YLW FLO 50% POOR TO FAIR INTER XLN POR TR VUG TO FAIR TO POSS GOOD INTER FOSS POR FAIR FLUSH CUT TO STRONG MILKY BLUE STREAM CUT

3308'-3317' LS CRM BUFF TO OFF WHT TO WHT FRM BRITT FN XLN MTX RE-XLN MTX IMBD SM OOLITES TR IMBD CHLK TR LMNTD PYR SCATT LT YLW FLO IP FAIR INTER XLN POR PP TO MICRO PP POR OOMOLDIC NO ODOR NO CUT NO VIS SHOW

3317'-3340' LS LT TN LT GRY CRM BUFF TO OFF WHT TO WHT MOTT HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD FOSS TR PYR NODULES IN TRAY TR VUGS WITH IMBD CALC XLS TR PP POR IP TR STAIN FAINT ODOR L DULL YLW FLO 40% FAINT FLUSH CUT

3352'-3362' LS DK TN TO LT TN CRM OFF WHT TO LT GRY P FRM TO SFT CHLKY WITH IMBD OOLITES IMBD CLR VRY SM QRTZ AND CALC XLS VRY DULL LT YLW FLO IP NO STAIN FAINT WISP OF ODOR POOR TO FAIR TO POSS GOOD INTER XLN POR TO TR PP AND MICRO PP POR NO CUT NO VIS SHOW

3366'-3373' LS LT TN CRM BUFF OFF WHT HD FRM BRIT VVFN TO FN XLN MTX TR DISS GRY SH IP TR IMBD QRT XLS IP STAIN ON 2 ROCKS FAINT ODOR DULL YLW FLO 20% VRY FAINT FLUSH CUT TO LT YLW RING CUT

3373'-3379' CRM TO OFF WHT LT TN DUE TO STAIN FRM TO BRITT FN XLN MTX RE-XLN MTX TR IMBD CALC XLS AND IMBD CALC XLS IN VUGS TR IMBD OOLITES IP DULL GLDN YLW FLO 40% TO LT YLW FLO 20% STAIN 30% PRTO FAIR INTERXLN POR FAIR VUG POR FAINT TO POOR INSTANT FLUSH CUT SPOTTY MILKY BLUE STREAM CUT

3378'-3385' LS CRM BUFF OFF WHT HD DN TT CRYPTO TO VVFN XLN MTX LT YLW FLO NO VIS POR NO CUT NO VIS SHOW

3386'-3392' LS TN DUE TO STAIN CRM BUFF TO OFF WHT FRM TO SFT BRITT VFN TO FN XLN MTX IMBD VR SM OOLITES GLDN YLW FLO 50% BRITE YLW FLO 10% LT YLW FLO 10% STAIN 50% FAIR ODOR PR FR TO GI INTER XLN POR FR VUG POR SLTLY OMOLDIC IP ONLY FAIR FLUSH CUT TO SLOW MILKY BLUE STREAM CUT

3400'-3408' LS CRM BUFF OFF WHT LT TN DUE TO STAIN 20% FN TO MD XLN MTX RE-XLN MTX SUCRO TXT IP SUB-CHLKY TO SFT WHT CHLK IN TRAY IMBD SM TO MD OOLITES CALC XLS INTER BED AROUND OOLITES GLDN YLW FLO 40% TO LT YLW FLO 20% FAIR INTER XLN POR VUGS 30% TO PR TO POSS FAIR INTER FOSS POR PR TO FR ODOR PR TO FR INSTANT FLUSH CUT SLOW MILKY BLUE STREAM CUT 25% ROCKS

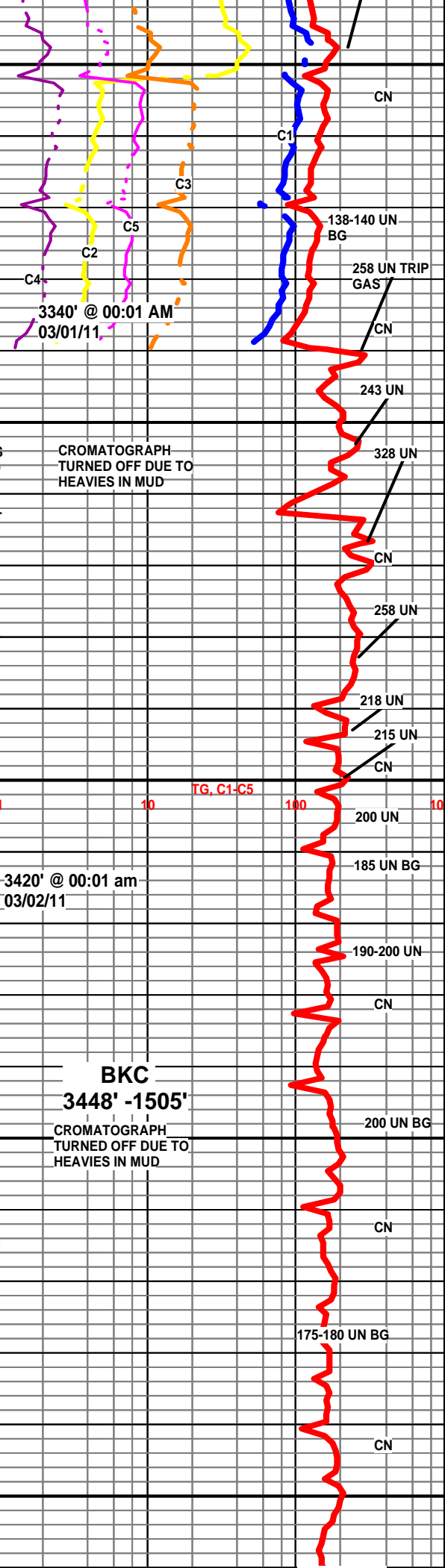
LS 3420'-3448' LS CRM OFF WHT TO WHT HD DN BRITT CRYPTO TO VVFN TO FN XLN MTX TR IMBD FOSS IP NO FLO NO VIS POR NO VIS SHOW

SH GRY BRN TO LT GRY FRM BLKY TO SMOOTH SPLNTY SFT AND SILTY IP

LS TN LT GY CRM BUFF TO OFF WHT HD TO FRM BRITT VFN XLN MTX IMBD SH IP TR LMNTD PYR TO LT WHT TO TRANSLUCENT CHERT WITH IMBD FOSS NO FLO NO VIS POR NO VIS SHOW

LS OFF WHT TO WHT FRM BRITT VFN TO FN TO MD XLN MTX IMBD CLR SUB-RND TO RND SS GRNS DISS DK BRN TO GRY SH SUB-CHLKY NO FLO NO VIS POR NO VIS SHOW

SS GRY LT GRY TO CLR FRI SM SUB-RND TO RN SS GRNS WITH CALC CMNT WITH IMBD SH DK GRY TO GRY DK BRN TR LOOSE UNCONSOLIDATED VR SM RND SS GRNS IN TRY NO FLO POSS TT INTER GRAN POR NO CUT NO VIS SHOW



SH RED/BRN GUMMY VRY SFT WITH SFT
PINK GRN SH WITH CHERT OFF WHT TO WHT
TO TRANSLUCENT

ARBUCKLE 3534' -1591'

3534'-3542' DOL CRM BUFF HD TO FRM FN XLN MTX WIT
SM ANG DOL XLS THRU VRY SUCRO TXT THRU DULL LT
YLW FLO NO ODOR NO STAIN ON TWO ROCKS PR INTE
XLN TO PP AND MICRO PP POR VRY FAINT FLUSH CUT.

3542'-3547' DOL CRM BUFF TO OFF WHT FRM BRITT VFN
TO FN XLN MTX SUCRO TXT THRU TR IMBD PYR IP DULL
LT YLW FLO THRU NO VIS POR NO ODOR NO CUT NO VIS
SHOW

3547'-3562' DOL OFF WH TO WHT TO CLR VFN TO FN TO
MD XLN MTX RE-XLN MTX IMBD OOLITES TR IMBD CHLK
WITH SUB-ANF SM DOL XLS TO CLR SUB-RND TO RND
DOL GRNS LT BRITE YLW FLO THRU NO STAIN NO ODOR
NO CUT NO VIS SHOW

3562'-3580' CRM TO OFF WHT FRM BRITT VVFN TO FN
XLN MTX RE-XLN MTX IMBD SUB-RND DOL GRNS CHLK
DULL VRY LT YLW FLO PR TO FAIR INTERXLN POR NO
ODOR NO STAIN NO CUT NO VIS SHOW

3580'-3590' DOL OFF WHT TO WHT TO CLR FN XLN MTX
WITH VRY SM SUB-ANG DOL XLS THRU WITH TR IMBD L
GRN CLAY IP NO FLO FAIR TO GOOD INTER XLN POR N
ODOR NO STAIN NO CUT NO VIS SHOW

3590'-3610' DOL WHT OFF WHT HD DNS BRITT FN XLN
MTX SUCRO TXT IP CHLK IP TR SM TO MD ANG TO
SUB-ANG DOLO XLS IP TR IMBD PYR DLL YEL MIN FLO
IP NO VIS POR TO TR POOR MICRO PP POR, TR POOR
SCAT INTER-XLN POR, NO VIS SHOW OR CUT

3610'-3620' DOL LT GRY OFF WHT TO WHT HD DN TT
VFN TOFN TO TR MD XLN MTX RE-XLN MTX SUB-CHLKY
WITH TR VRY LT BRN CHERT IP NO FLO NO VIS POR NO
VIS SHOW

3620'-3635' DOL GRY LT GEY OFF WHT TO WHT HD TO
FRM BRITT FN XLN MTX WITH SM TO TR MD IMBD DOL
GRNS TR IMBD CHLK NO FLO POSS INTERXLN TO NO VIS
POR NO CUT NO VIS SHOW

RTD 3635'

10:04 AM 03/02/11

LOGS BY WEATHERFORD

LIBERAL KS

THANK YOU FOR CHOOSING EARTHTECH

LOG COMPLETED BY RODNEY NAPIEI

CROMATOGRAPH
TURNED OFF DUE TO
HEAVIES IN MUD

CN

212 UN
POSS
SHOW

224 UN

313 UN

CN

200 UN BG

CN

179 UN BG

CN

121 UN BG

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

TG, C1-C5

CFS 3520

3550

3600

3650

ROP (min/ft)
Gamma (API)

CFS/CTCH 1.5
HRS TOTAL

TOH FOR LOGS