



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: _____



1065638

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	BOXBERGER 5-36
Doc ID	1065638

All Electric Logs Run

DIL
MICRO
POR
SONIC
SPECTRAL

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

October 19, 2011

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

Re: ACO1
API 15-051-26150-00-00
BOXBERGER 5-36
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: 6/26/2011
 Invoice # 4858

P.O.#:
 Due Date: 7/26/2011
 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

Reference:
 BOXBERGER 5-36

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200-138
Well/Prospect	BOXBERGER 5-36
Deck	
AFE	
Approval	
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 950.65	No	Baffle Plate Aluminum, 8 5/8"	1	\$93.70	Yes
Common-Class A	370	\$ 4,699.51	Yes				
8 5/8" Basket	3	\$ 986.96	Yes				
Bulk Truck Mat-Material Service Charge	390	\$ 812.05	No				
Calcium Chloride	13	\$ 509.70	Yes				
Pump Truck Mileage-Job to Nearest Camp	21	\$ 218.19	No				
8 5/8" Centralizer	3	\$ 199.89	Yes				
Flo Seal	92	\$ 191.56	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$ 127.68	No				
Premium Gel (Bentonite)	7	\$ 118.64	Yes				
8 5/8" Top Rubber Plug	1	\$ 110.36	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$ 9,018.89
	Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	\$ (1,352.83)
<hr/>		
	SubTotal for Taxable Items:	\$ 5,873.77
	SubTotal for Non-Taxable Items:	\$ 1,792.29
<hr/>		
	Total:	\$ 7,666.06
	Tax:	\$ 370.05
<hr/>		
	Amount Due:	\$ 8,036.10
	Applied Payments:	
	Balance Due:	\$ 8,036.10

6.30% Ellis County Sales Tax

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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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. 4858

Date	6-22-11	Sec.	36	Twp.	15	Range	16	County	Ellis	State	KS	On Location		Finish	5:00pm.	
Lease	Boxberger		Well No.		5-36		Location									Carbarn 5 mi SW 1/2 W Unto

Contractor	D. Scavoy #2		Owner	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.												
Type Job	Surface		Charge To	Sam Lear Jr & Associ												
Hole Size	12 1/4		T.D.	1030												
Csg.	8 5/8		Depth	1030												
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.	4200		Shoe Joint	4200 32.61												
Meas Line	32.61		Displace	6.25/23L												

The above was done to satisfaction and supervision of owner agent or contractor.
Cement Amount Ordered 320 com 39/64 20/64 1/4 # Flow Seal

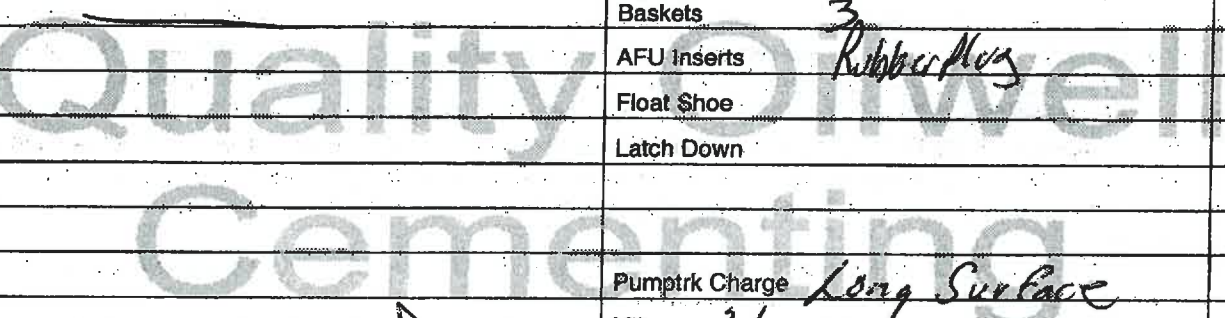
EQUIPMENT			
Pumptrk	No.	Cement Helper	Common
Bulktrk	9	Driver	Poz. Mix
Bulktrk	12	Driver	Gel.

JOB SERVICES & REMARKS			
Remarks:	Hulls		
Rat Hole	Salt		
Mouse Hole	Flowseal 92#		
Centralizers	Kol-Seal		
Baskets	Mud CLR 48		
D/V or Port Collar	CFL-117 or CD110 CAF 38		
8 5/8 size @ 1030	Sand		
Est. Circulation Mix	Handling 390		
Plug.	Mileage		

FLOAT EQUIPMENT			
Guide Shoe	8 5/8		
Centralizer	3		
Baskets	3		
AFU Inserts	Rubber Plug		
Float Shoe			
Latch Down			

Pumptrk Charge	Long Surface		
Mileage	21		
	Tax		
	Discount		
	Total Charge		

X Signature *Thanks!*





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: 6/30/2011
 Invoice # 4888

P.O.#:
 Due Date: 7/30/2011
 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 S - 36
Deck	
AFE	
Approval	
Description	

Reference:
 BOXBERGER 5-36

Description of Work:
 PROD. LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 937.80	No				
Common-Class A	225	\$ 2,819.19	Yes	Salt (Fine)	19	\$272.41	Yes
Gilsonite	1057	\$ 1,628.35	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$230.05	Yes
CFL 117	176	\$ 1,113.46	Yes	Pump Truck Mileage-Job to Nearest Camp	21	\$215.24	No
5 1/2" Basket	3	\$ 708.65	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$125.95	No
CD-110	117	\$ 480.65	Yes	Flo Seal	56	\$115.03	Yes
5 1/2" Turbolizer	8	\$ 476.54	Yes	KCL	2	\$61.33	Yes
Bulk Truck Matl-Material Service Charge	225	\$ 462.16	No				
Mud Clear	500	\$ 380.00	Yes				
Defoamer A or CAF-38	50	\$ 359.46	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 314.27	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,700.55
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,605.08)

SubTotal for Taxable Items:	\$ 7,615.48
SubTotal for Non-Taxable Items:	\$ 1,479.99
Total:	\$ 9,095.47
Tax:	\$ 479.78
Amount Due:	\$ 9,575.25
Applied Payments:	
Balance Due:	\$ 9,575.25

6.30% Ellis County Sales Tax

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

JUL 13 2011

SAMUEL GARY JR.
 & ASSOCIATES, INC.

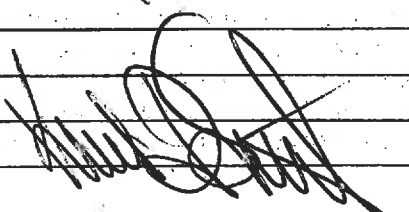
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

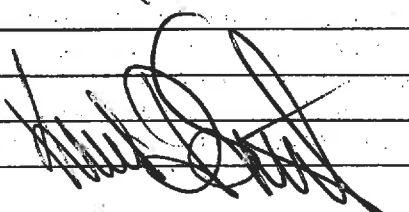
Phone 785-483-2025
Cell 785-324-1041

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

No. 4888

Date	6/28/11	Sec.	36	Twp.	15	Range	16	County	Ellis	State	KS	On Location		Finish	11:00 AM	
Lease	ROXBERGER			Well No.	S-36			Location	Gorham, Ste County Line, 1/2 W, N into							
Contractor	Discovery Drilling Rpt #2							Owner	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.							
Type Job	Production String							Charge To	Sam Gurny Jr. + Associates Inc.							
Hole Size	7 7/8"		T.D.	3600'			Depth	3593'								
Csg.	5 1/2" IS.50#		Depth													
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.	23'		Shoe Joint	23'		The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line			Displace	85 Bbls.		Cement Amount Ordered	225 sx Q-Pro-C 10% Sca									
EQUIPMENT																
Pumptrk	S	No.	Cement	Paul		Slogitsonite 1# per 50' of hole, 3% CD-110										
Bulktrk	M	No.	Driver	Brandon		Common .8% CFL-117, 12.5% CAF-38										
Bulktrk	PV	No.	Driver	Matt		Poz. Mix 225 Q-Pro-C										
JOB SERVICES & REMARKS																
Remarks:	Calcium KCL 2 gal															
Rat Hole	30 sx		Hulls CD-110 11 PA													
Mouse Hole	20 sx		Salt 19													
Centralizers	Flowseal 56#															
Baskets	3, 9, 13		Kol-Seal 105#													
D/V or Port Collar	Mud CLR 48 SOD gel. / 20061 KCL															
For Cice. - 1 hour	CFL-117 or CD110 CAF 38 50#															
Pump 500 gal Mud Clean - 48	Sand CFL 117 176#															
Plug Rat / Mouse Holes	Handling															
Mix 175 sx down 5 1/2"	Mileage 5 1/2															
Displace - First 20 Bbl. KCL	FLOAT EQUIPMENT															
Land Plug	Guide Shoe															
Float Hold	Centralizer 8 - Turbos															
	Baskets 3															
	AFU Inserts															
	Float Shoe 1															
	Latch Down															
	Rotating Head															
	Pumptrk Charge prod Long String															
	Mileage 21															
												Tax				
												Discount				
												Total Charge				
X Signature 																

Thank You!!





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & Assoc. inc**

1515 Wynkoop
STE 700
Denver Co 80202

ATTN: Clayton Camozzi

36-15s-36w Ellis

Boxberger #5-36

Start Date: 2011.06.25 @ 15:12:05

End Date: 2011.06.25 @ 21:45:39

Job Ticket #: 042648 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 Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042648 **DST#: 1**

Test Start: 2011.06.25 @ 15:12:05

GENERAL INFORMATION:

Formation: **LKC"A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:40:40

Time Test Ended: 21:45:39

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3175.00 ft (KB) To 3235.00 ft (KB) (TVD)

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3235.00 ft (KB) (TVD)

1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 127.84 psig @ 3180.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.25 End Date: 2011.06.25

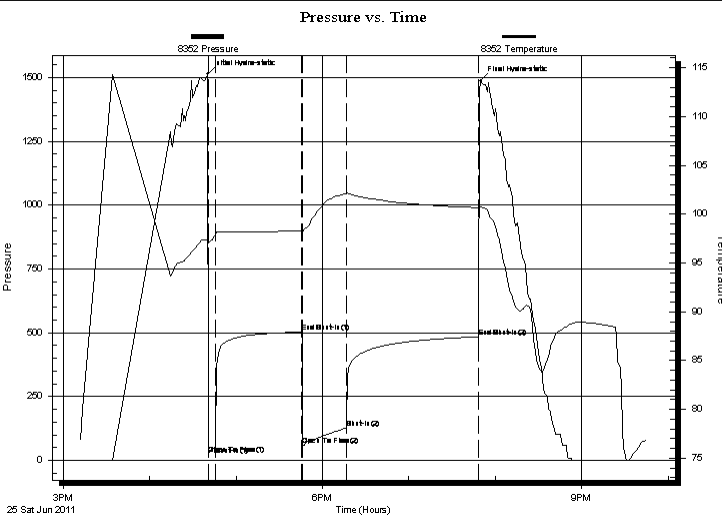
Last Calib.: 2011.06.25

Start Time: 15:12:05 End Time: 21:45:40

Time On Btm: 2011.06.25 @ 16:40:10

Time Off Btm: 2011.06.25 @ 19:49:39

TEST COMMENT: IF:(5min) 6 inch Building Blow
IS:(60min) No Return
FF:(30min) BOB, 17 min.
FS:(90min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1512.22	97.50	Initial Hydro-static
1	23.87	97.06	Open To Flow (1)
6	55.30	97.91	Shut-In(1)
66	503.15	98.30	End Shut-In(1)
67	58.20	98.17	Open To Flow (2)
97	127.84	102.05	Shut-In(2)
188	484.17	100.67	End Shut-In(2)
190	1487.13	100.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	MW	2.52

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042648

DST#: 1

Test Start: 2011.06.25 @ 15:12:05

Tool Information

Drill Pipe:	Length: 3126.00 ft	Diameter: 3.80 inches	Volume: 43.85 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 44.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3175.00 ft			Final 45000.00 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
Recorder	0.00	8650	Fluid	3140.00	
Change Over Sub	1.00			3141.00	
Blank Spacing	5.00			3146.00	
Shut In Tool	5.00			3151.00	
Sampler	2.00			3153.00	
Hydraulic tool	5.00			3158.00	
Jars	5.00			3163.00	
Safety Joint	3.00			3166.00	
Packer	5.00			3171.00	35.00 Bottom Of Top Packer
Packer	4.00			3175.00	
Stubb	1.00			3176.00	
Perforations	3.00			3179.00	
Change Over Sub	1.00			3180.00	
Recorder	0.00	8017	Inside	3180.00	
Recorder	0.00	8352	Outside	3180.00	
Drill Pipe	31.00			3211.00	
Change Over Sub	1.00			3212.00	
Perforations	20.00			3232.00	
Bullnose	3.00			3235.00	60.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042648

DST#: 1

Test Start: 2011.06.25 @ 15:12:05

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:

72000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	MW	2.523

Total Length: 200.00 ft Total Volume: 2.523 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

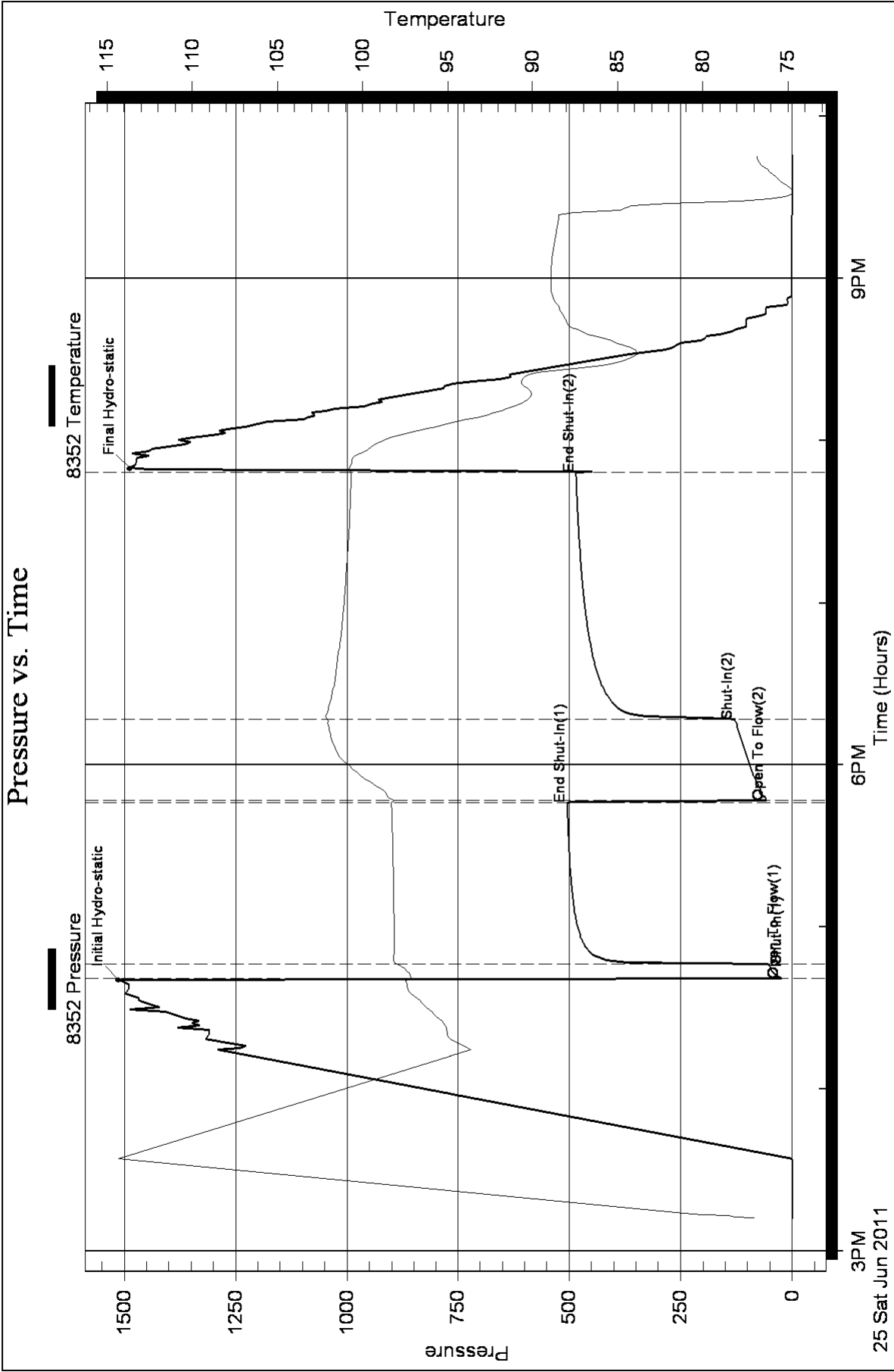
Serial #:

Laboratory Name:

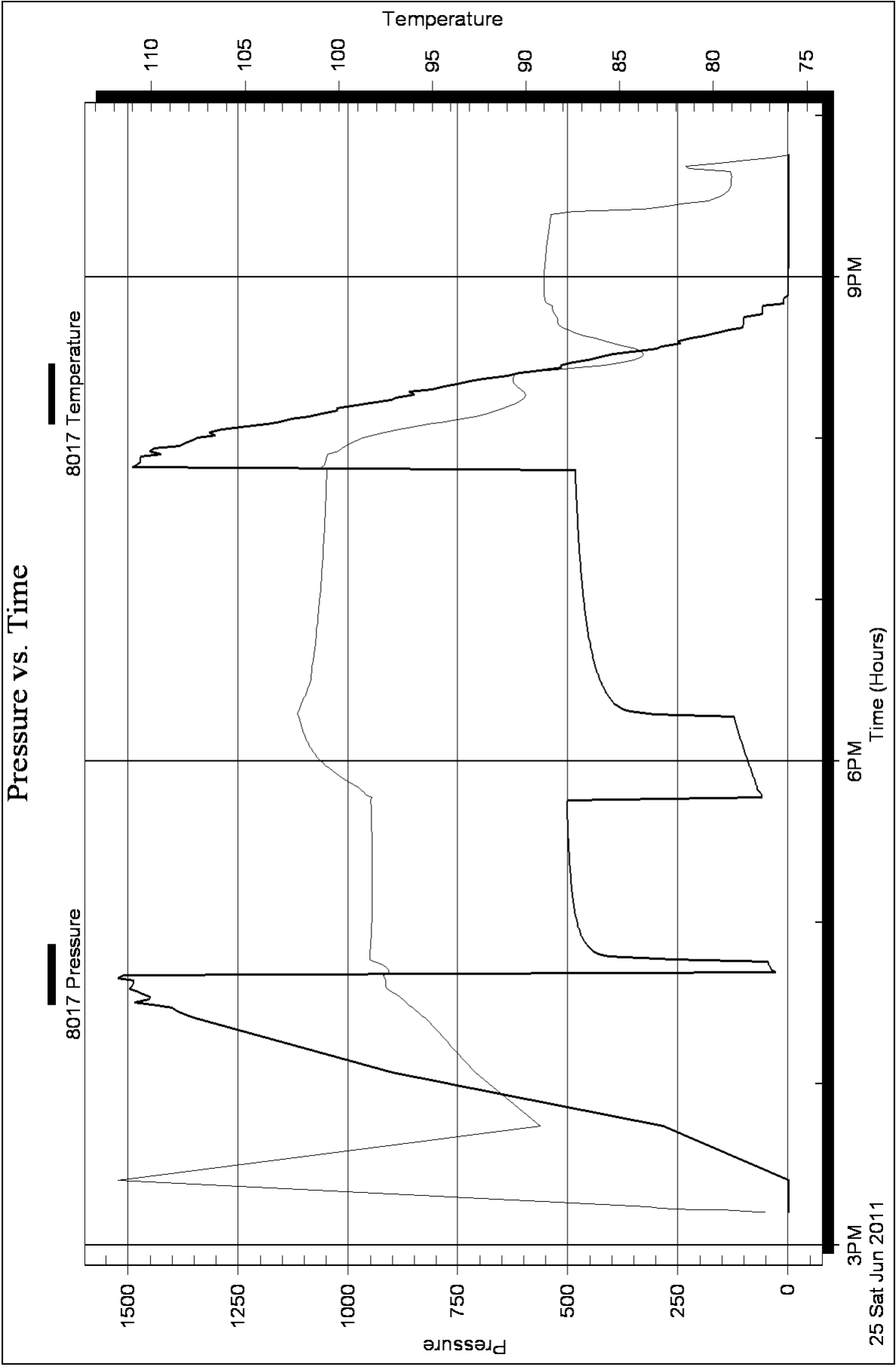
Laboratory Location:

Recovery Comments: Sampler Data- w =800ml pressure=120lbs

Pressure vs. Time



Pressure vs. Time



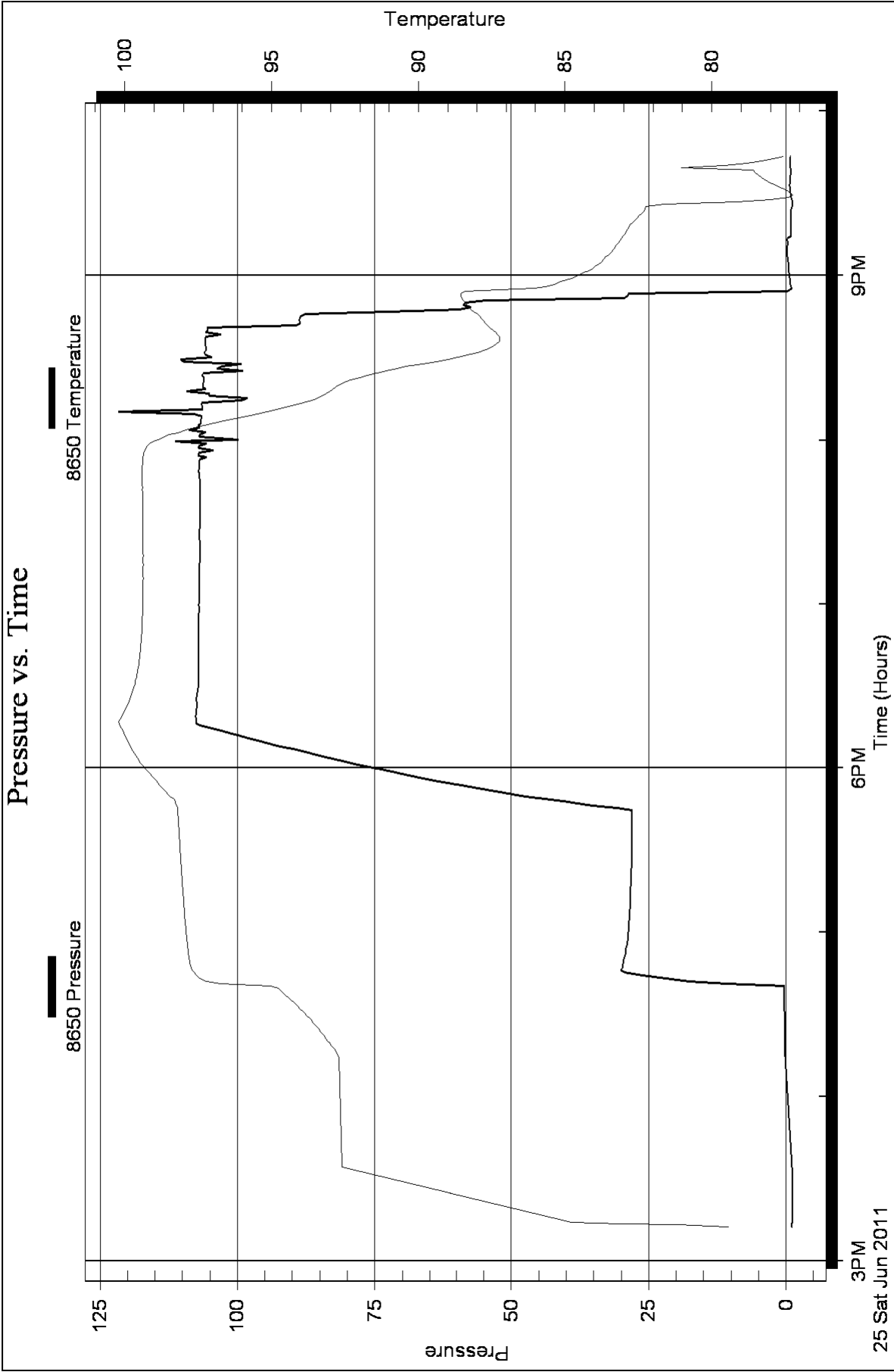
Serial #: 8650

Fluid

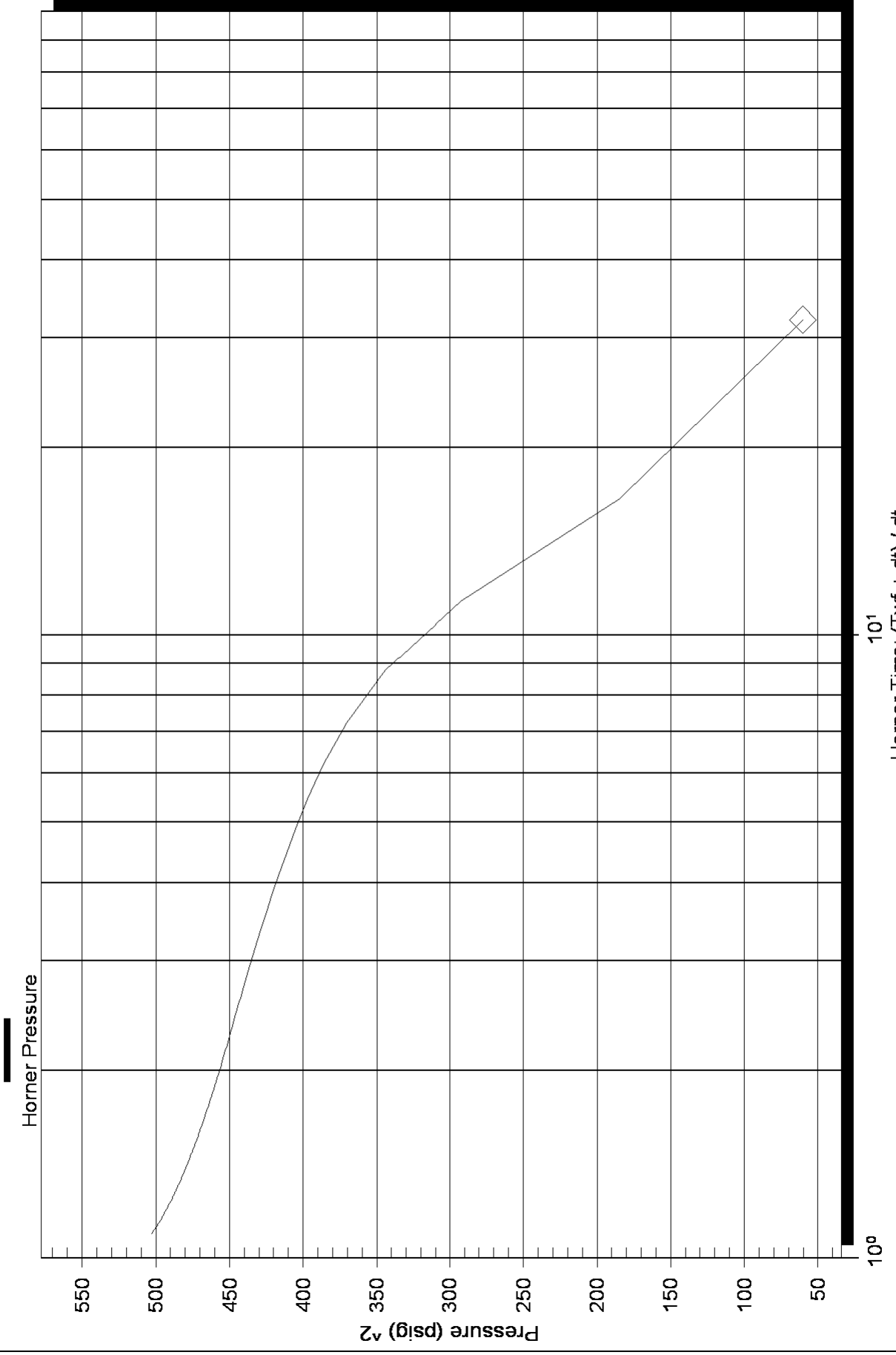
Sam Gary Jr. & Assoc. inc

36-15s-36w Ellis

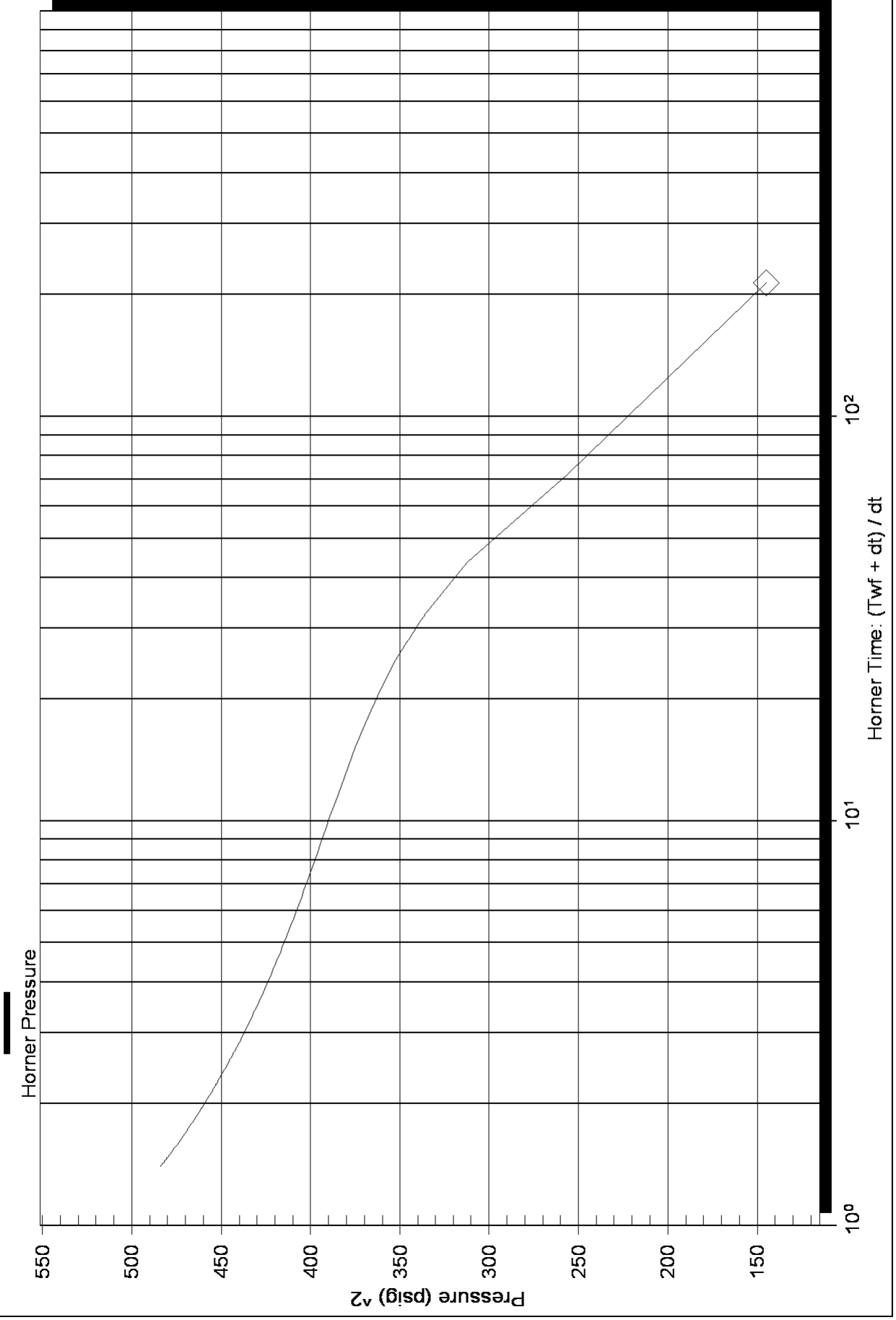
DST Test Number: 1



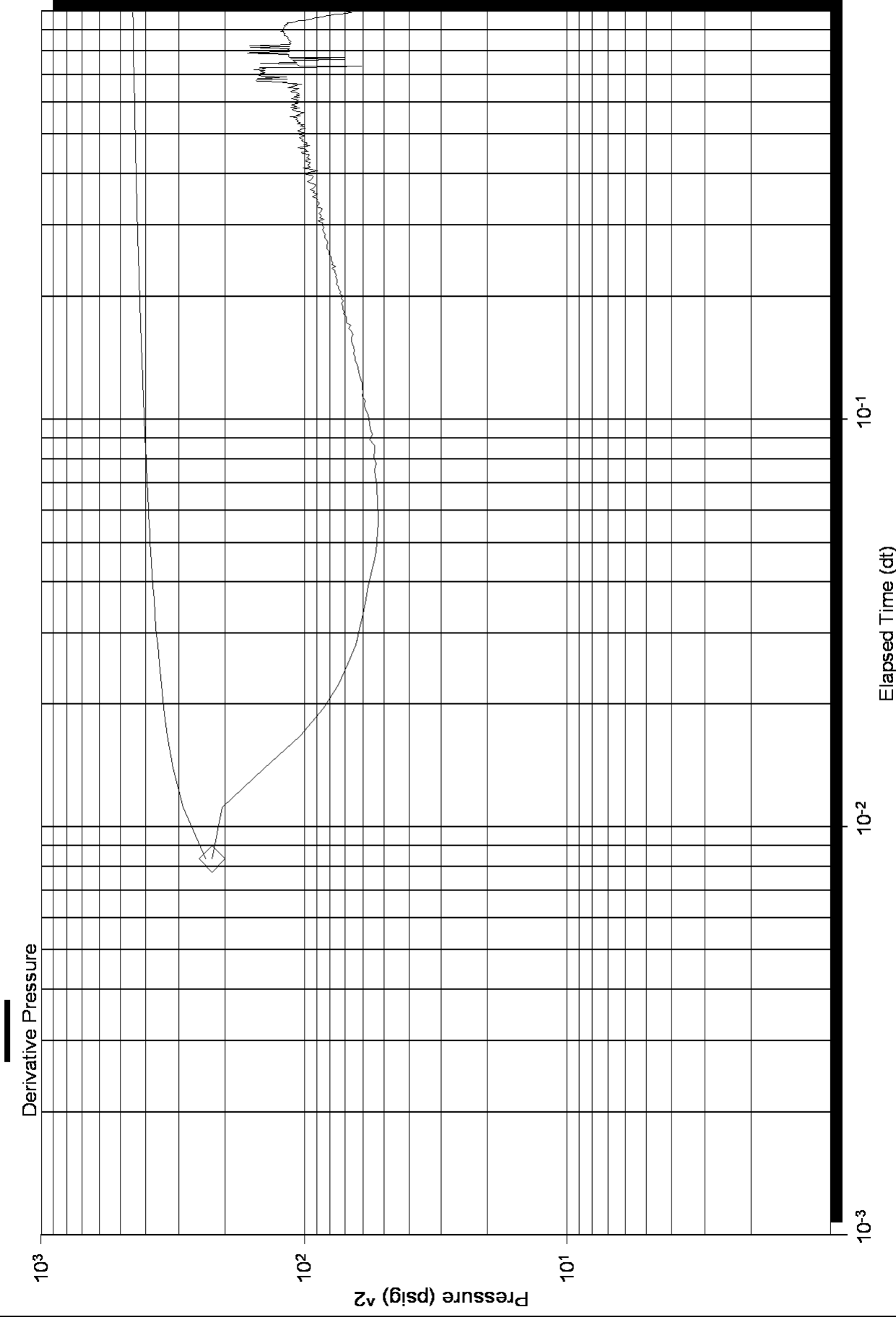
Homer Plot



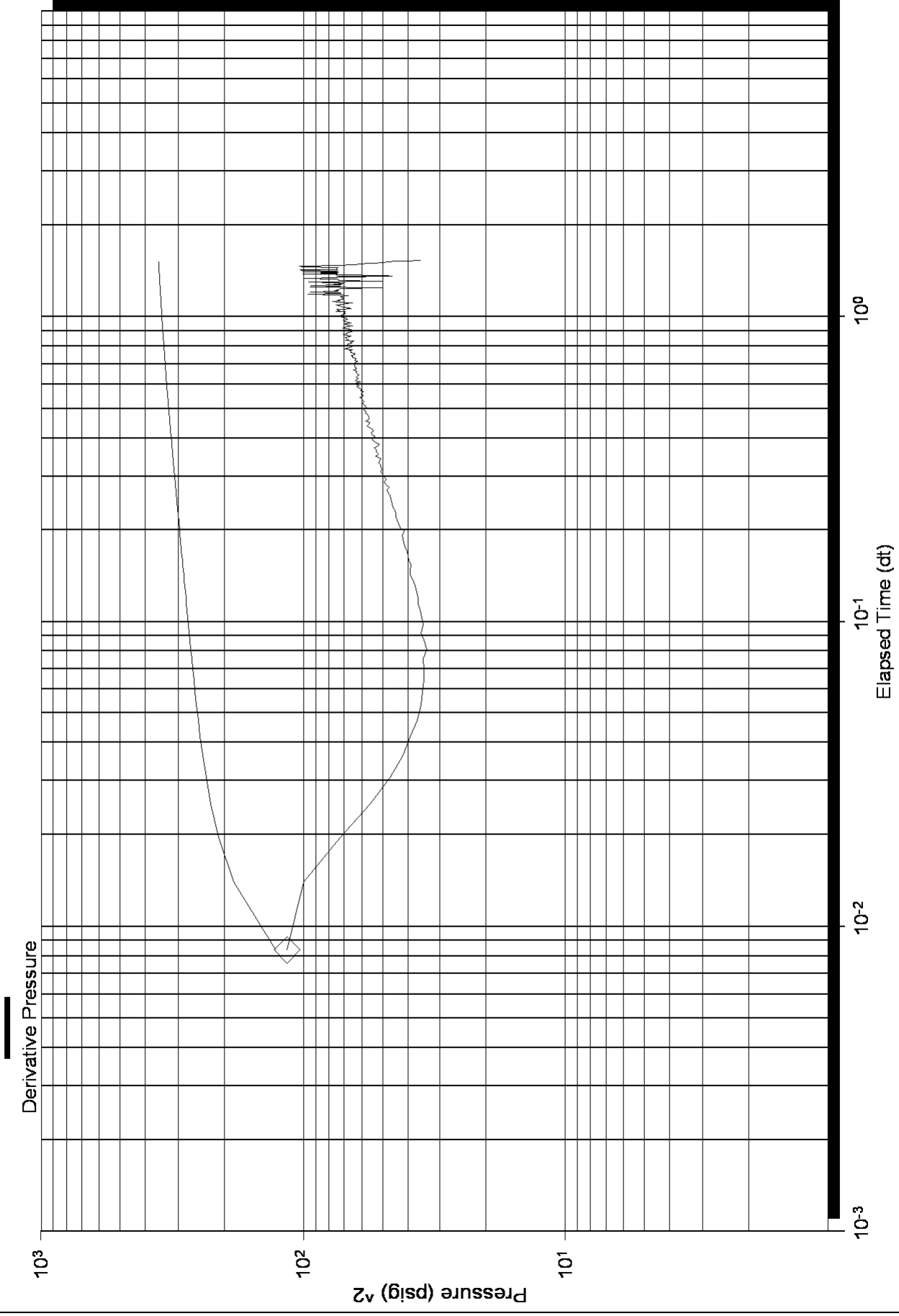
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & Assoc. inc**

1515 Wynkoop
STE 700
Denver Co 80202

ATTN: Clayton Camozzi

36-15s-36w Ellis

Boxberger #5-36

Start Date: 2011.06.26 @ 14:27:05

End Date: 2011.06.26 @ 20:06:39

Job Ticket #: 042649 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 Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042649

DST#: 2

Test Start: 2011.06.26 @ 14:27:05

GENERAL INFORMATION:

Formation: **LKC "I,J,K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:57:50

Time Test Ended: 20:06:39

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3355.00 ft (KB) To 3416.00 ft (KB) (TVD)

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3416.00 ft (KB) (TVD)

1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 33.84 psig @ 3361.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.26

End Date:

2011.06.26

Last Calib.:

2011.06.26

Start Time: 14:27:05

End Time:

20:06:40

Time On Btm:

2011.06.26 @ 15:57:40

Time Off Btm:

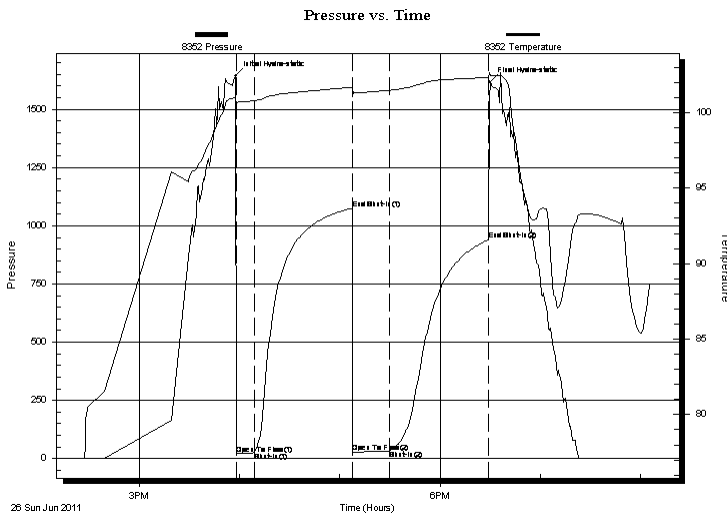
2011.06.26 @ 18:30:10

TEST COMMENT: IF:(10min) Blow Died, 4 min.

IS:(60min) No Return

FF:(20min) No Blow

FS:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.72	101.06	Initial Hydro-static
1	20.28	100.48	Open To Flow (1)
11	25.65	100.79	Shut-In(1)
70	1071.60	101.68	End Shut-In(1)
71	26.63	101.05	Open To Flow (2)
92	33.84	101.48	Shut-In(2)
152	938.93	102.33	End Shut-In(2)
153	1616.98	102.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042649

DST#: 2

Test Start: 2011.06.26 @ 14:27:05

Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 46.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3355.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	96.00 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	3320.00	
Change Over Sub	1.00			3321.00	
Blank Spacing	5.00			3326.00	
Shut In Tool	5.00			3331.00	
Sampler	2.00			3333.00	
Hydraulic tool	5.00			3338.00	
Jars	5.00			3343.00	
Safety Joint	3.00			3346.00	
Packer	5.00			3351.00	35.00 Bottom Of Top Packer
Packer	4.00			3355.00	
Stubb	1.00			3356.00	
Perforations	4.00			3360.00	
Change Over Sub	1.00			3361.00	
Recorder	0.00	8017	Inside	3361.00	
Recorder	0.00	8352	Outside	3361.00	
Drill Pipe	31.00			3392.00	
Change Over Sub	1.00			3393.00	
Perforations	20.00			3413.00	
Bullnose	3.00			3416.00	61.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042649

DST#: 2

Test Start: 2011.06.26 @ 14:27:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 89.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 9.17 in³

Resistivity: ohm.m

Salinity: 6700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

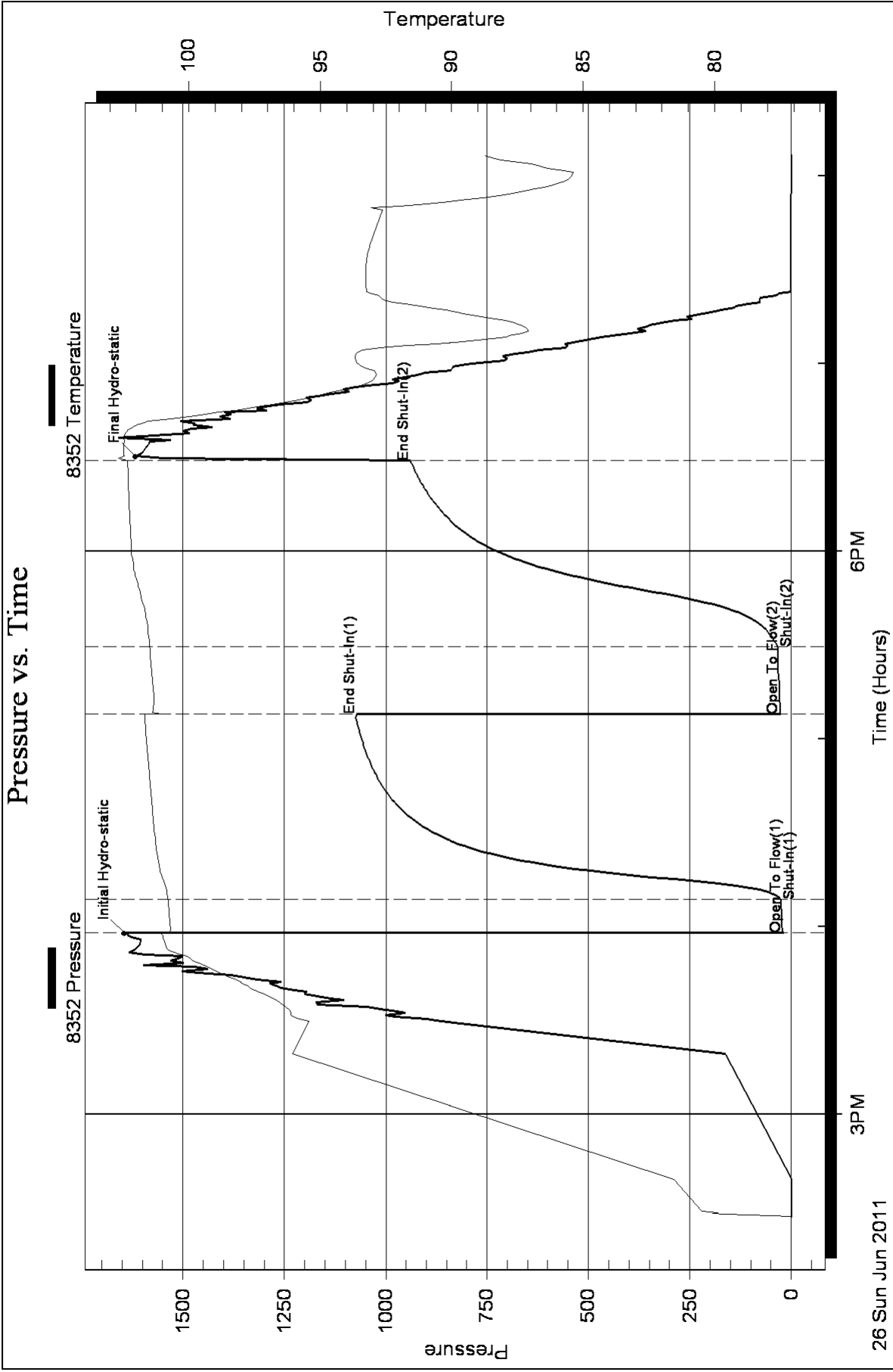
Num Gas Bombs: 0

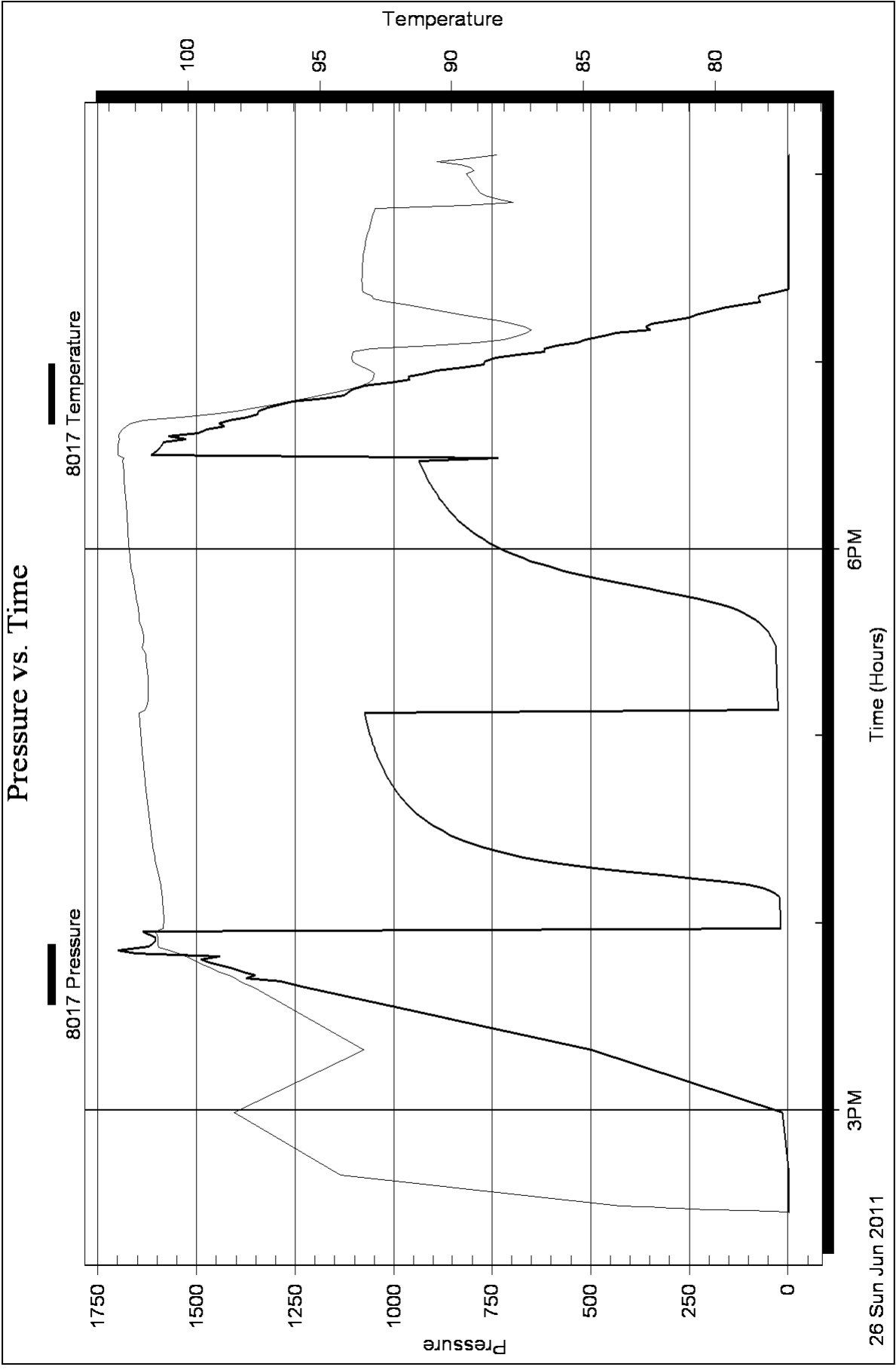
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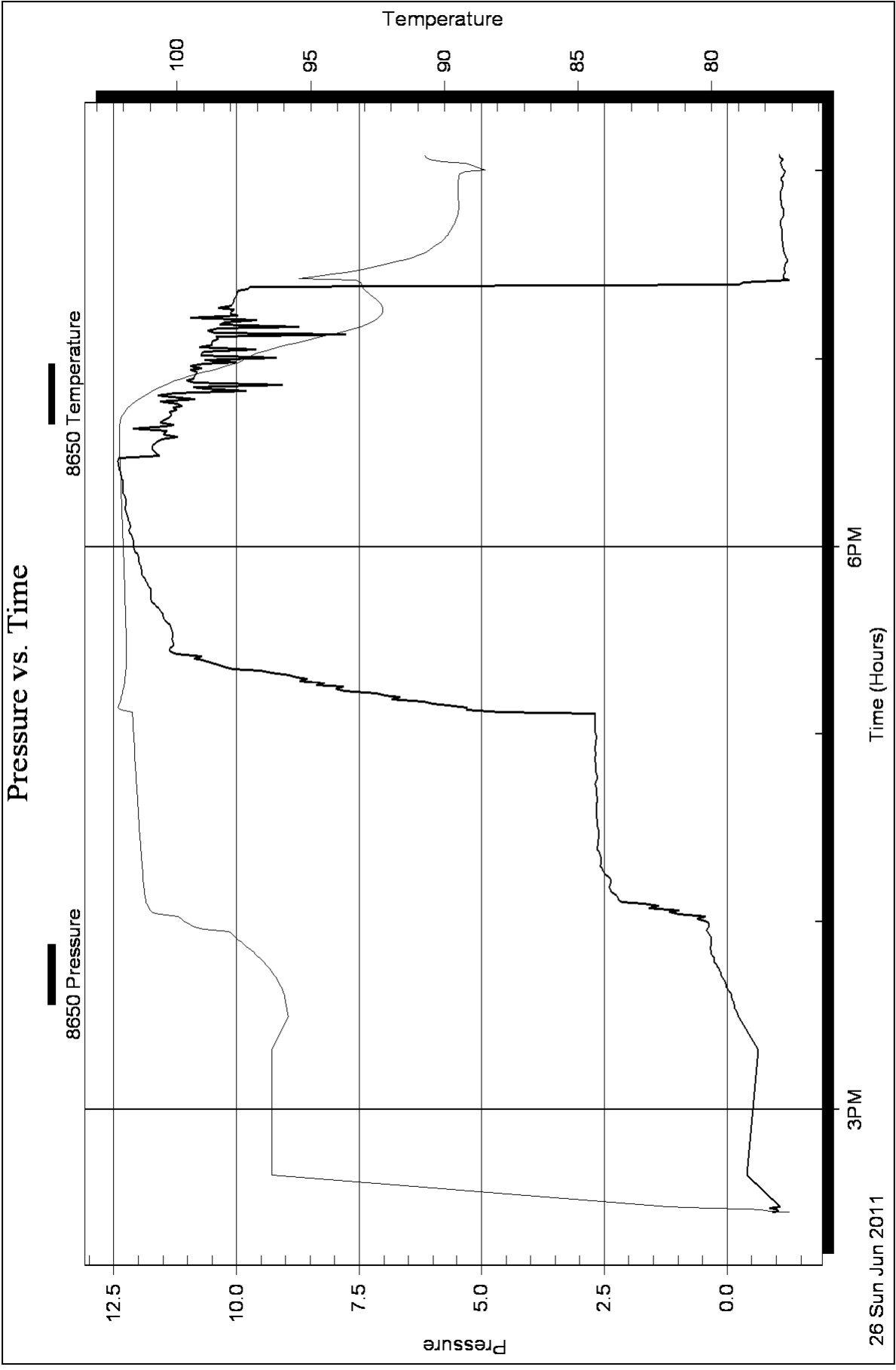
Laboratory Name:

Laboratory Location:

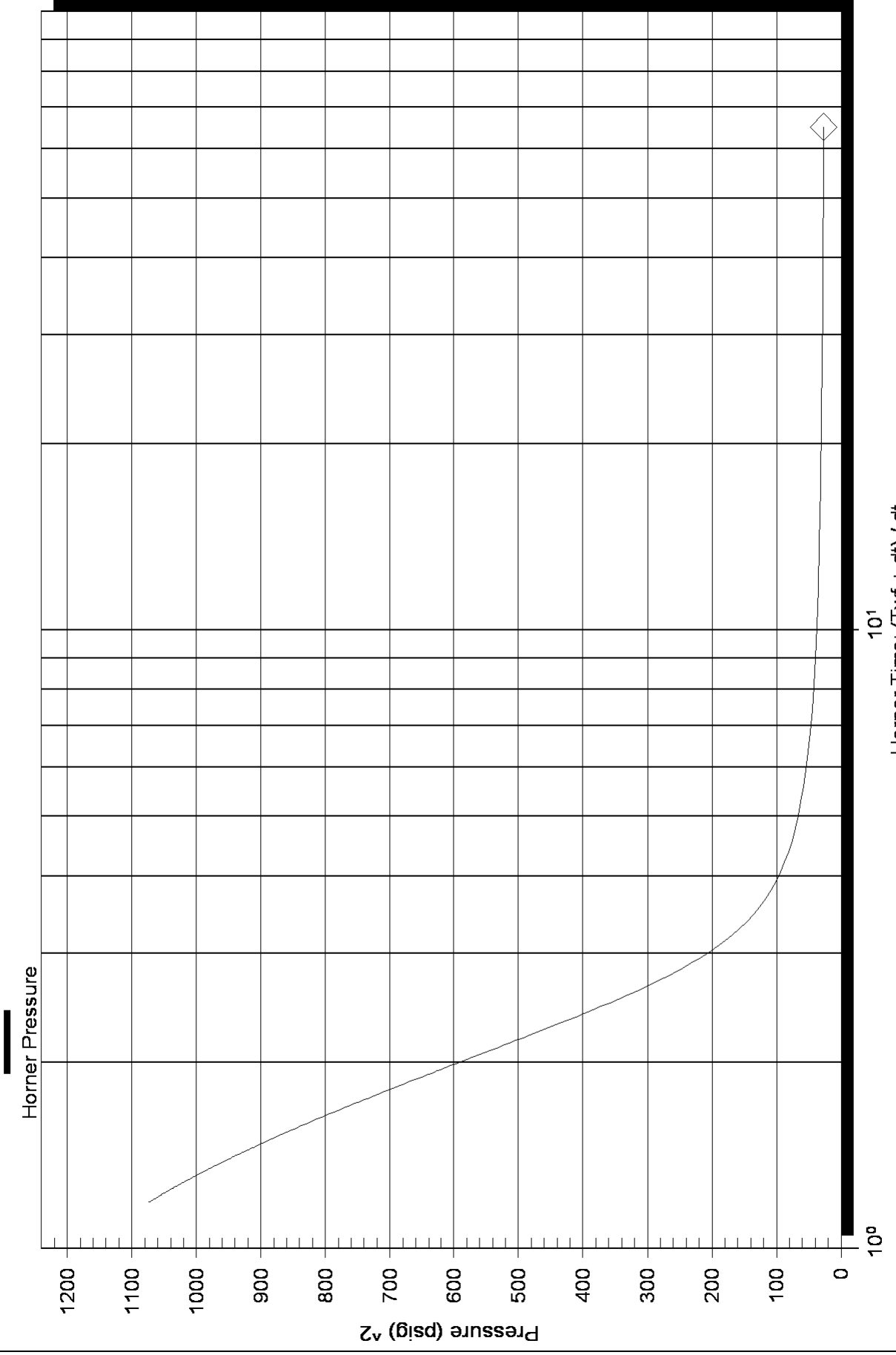
Recovery Comments: Sampler Data- o=tr m=400ml pressure=100lbs



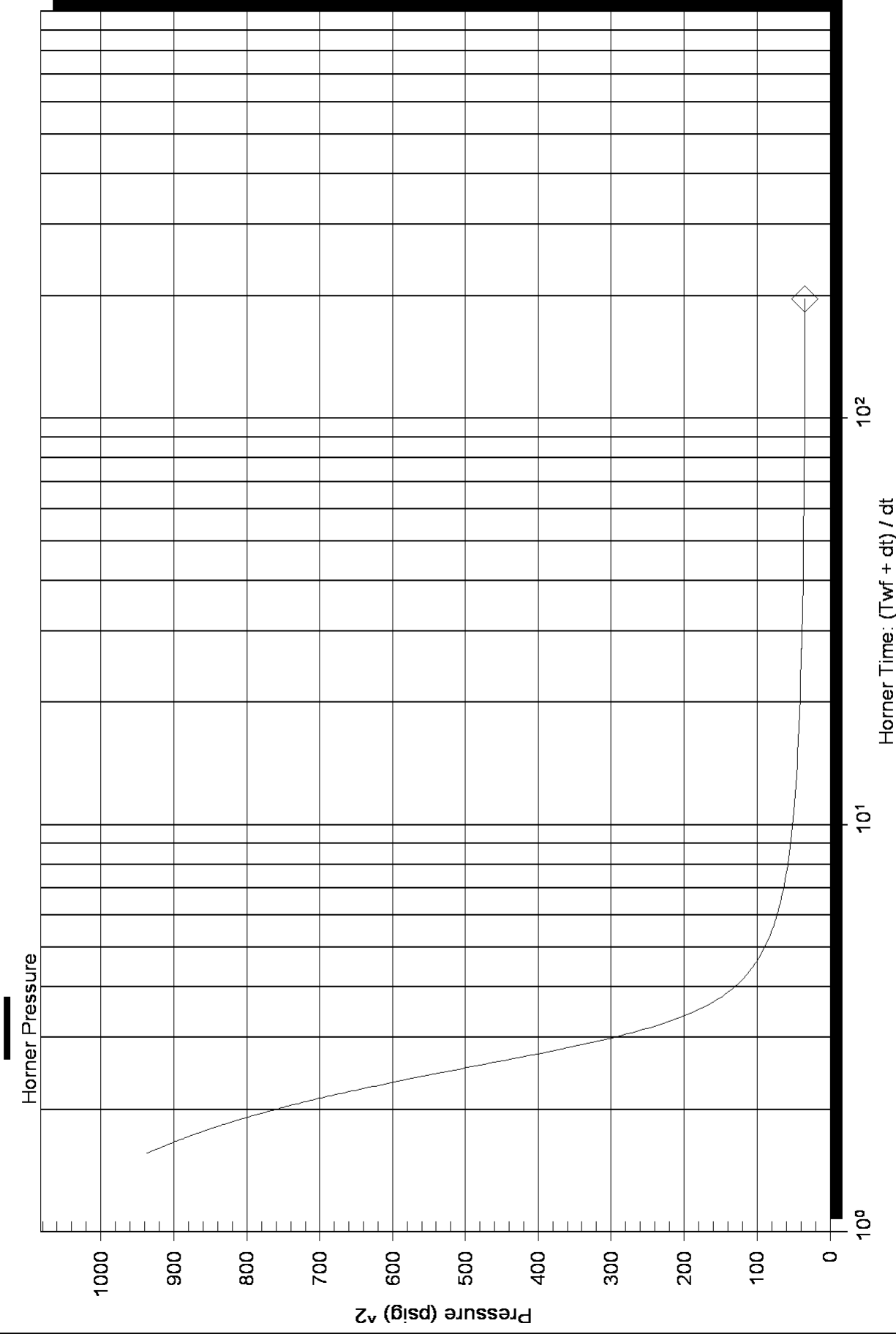




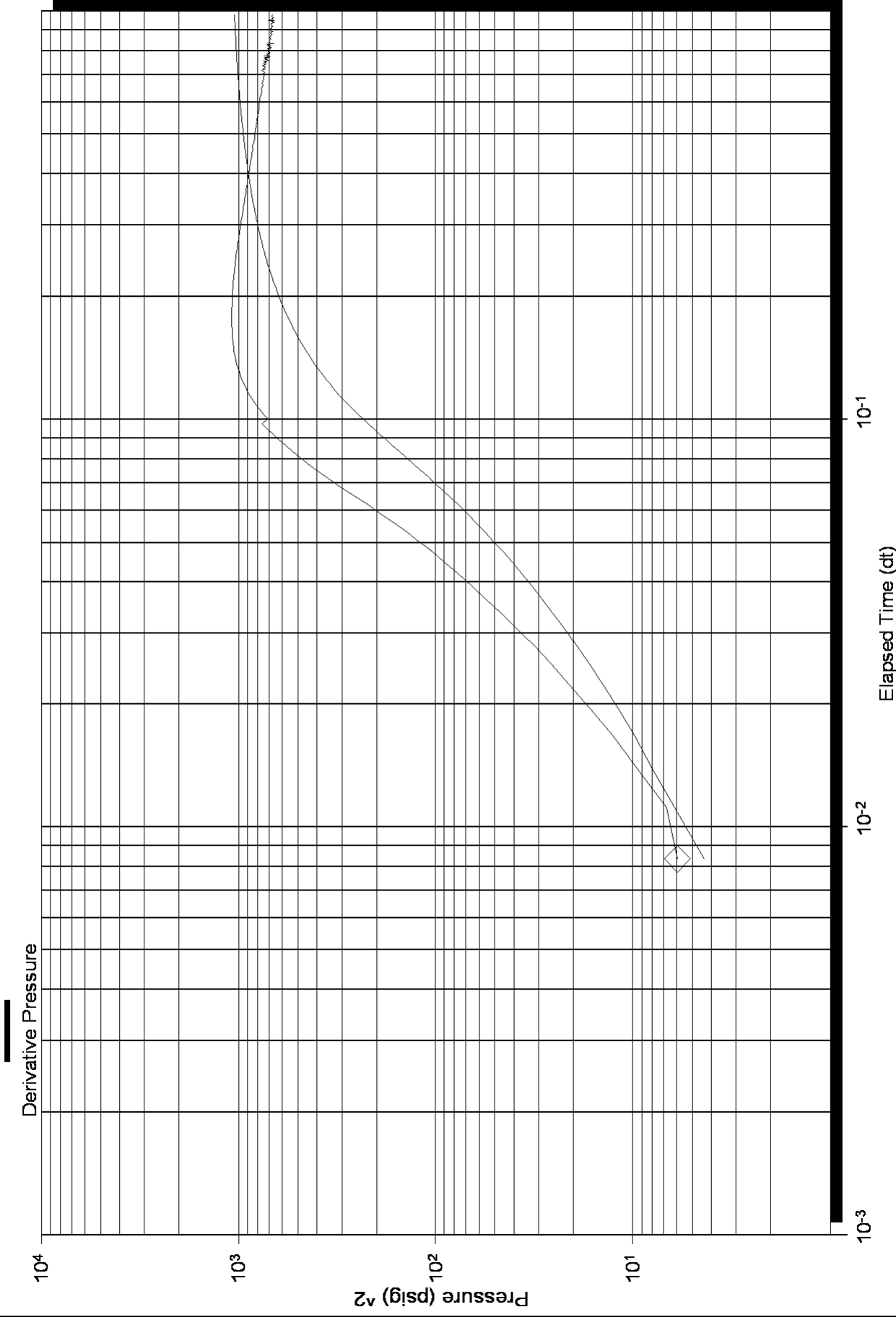
Homer Plot



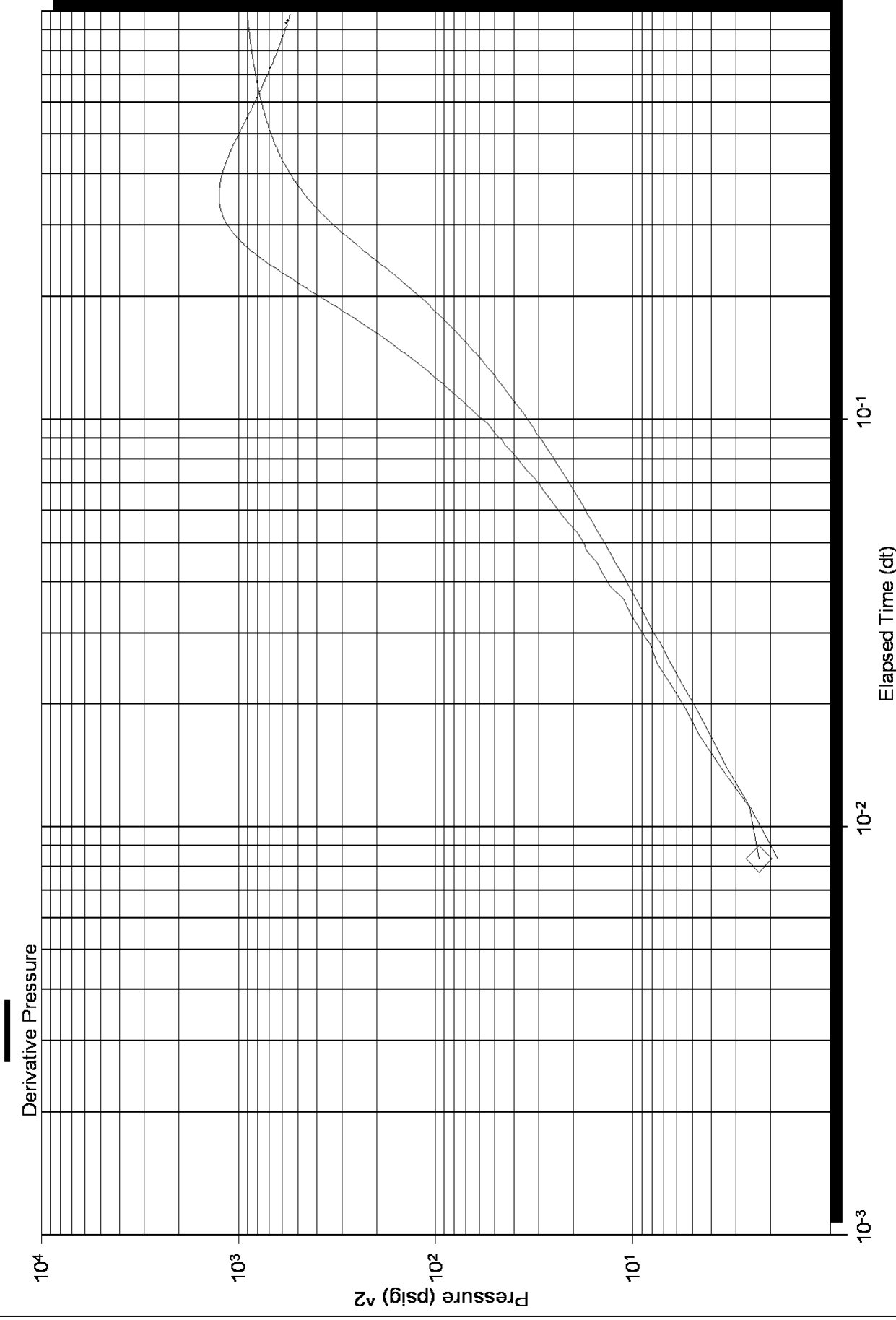
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & Assoc. inc**

1515 Wynkoop
STE 700
Denver Co 80202

ATTN: Clayton Camozzi

36-15s-36w Ellis

Boxberger #5-36

Start Date: 2011.06.27 @ 18:18:05

End Date: 2011.06.28 @ 00:08:59

Job Ticket #: 042650 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

Sam Gary Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042650

DST#: 3

Test Start: 2011.06.27 @ 18:18:05

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:40:50

Time Test Ended: 00:08:59

Test Type: Conventional Straddle

Tester: Andy Carreira

Unit No: 39

Interval: 3393.00 ft (KB) To 3403.00 ft (KB) (TVD)

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3598.00 ft (KB) (TVD)

1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 19.72 psig @ 3394.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.27

End Date:

2011.06.28

Last Calib.:

2011.06.28

Start Time: 18:18:05

End Time:

00:08:59

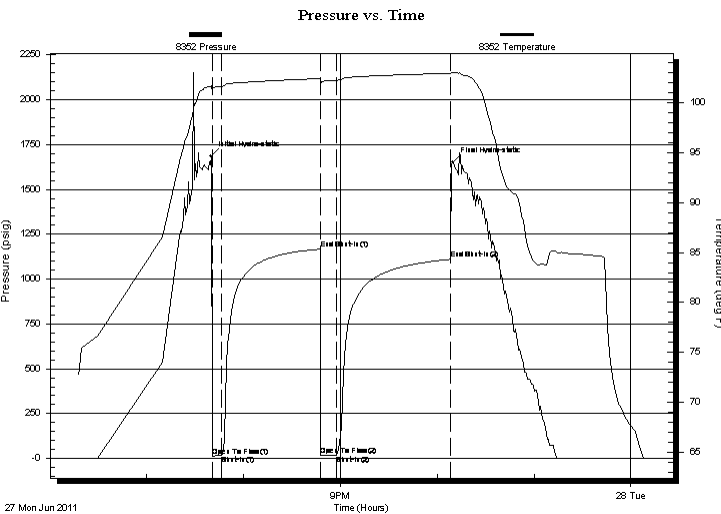
Time On Btm:

2011.06.27 @ 19:40:00

Time Off Btm:

2011.06.27 @ 22:09:50

TEST COMMENT: IF:(5min) Surge, No Blow
IS:(60min) No Return
FF:(10min) No Blow
FS:(70min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.08	101.66	Initial Hydro-static
1	14.74	101.12	Open To Flow (1)
7	18.15	101.62	Shut-In(1)
68	1166.62	102.40	End Shut-In(1)
68	18.16	101.71	Open To Flow (2)
78	19.72	102.22	Shut-In(2)
149	1110.35	102.92	End Shut-In(2)
150	1653.26	103.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042650

DST#: 3

Test Start: 2011.06.27 @ 18:18:05

Tool Information

Drill Pipe:	Length: 3344.00 ft	Diameter: 3.80 inches	Volume: 46.91 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 47.06 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3393.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	3403.00 ft				
Interval between Packers:	10.00 ft				
Tool Length:	244.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8650	Fluid	3358.00	
Change Over Sub	1.00			3359.00	
Blank Spacing	5.00			3364.00	
Shut In Tool	5.00			3369.00	
Sampler	2.00			3371.00	
Hydraulic tool	5.00			3376.00	
Jars	5.00			3381.00	
Safety Joint	3.00			3384.00	
Packer	5.00			3389.00	35.00 Bottom Of Top Packer
Packer	4.00			3393.00	
Stubb	1.00			3394.00	
Recorder	0.00	8017	Inside	3394.00	
Recorder	0.00	8352	Outside	3394.00	
Perforations	5.00			3399.00	
Blank Off Sub	1.00			3400.00	
Blank Spacing	3.00			3403.00	10.00 Tool Interval
Packer	5.00			3408.00	
Perforations	1.00			3409.00	
Recorder	0.00	8647	Below	3409.00	
Change Over Sub	1.00			3410.00	
Drill Pipe	188.00			3598.00	
Change Over Sub	1.00			3599.00	
Bullnose	3.00			3602.00	199.00 Bottom Packers & Anchor
Total Tool Length:	244.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & Assoc. inc

Boxberger #5-36

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

36-15s-36w Ellis

Job Ticket: 042650

DST#: 3

Test Start: 2011.06.27 @ 18:18:05

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: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	OSM	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

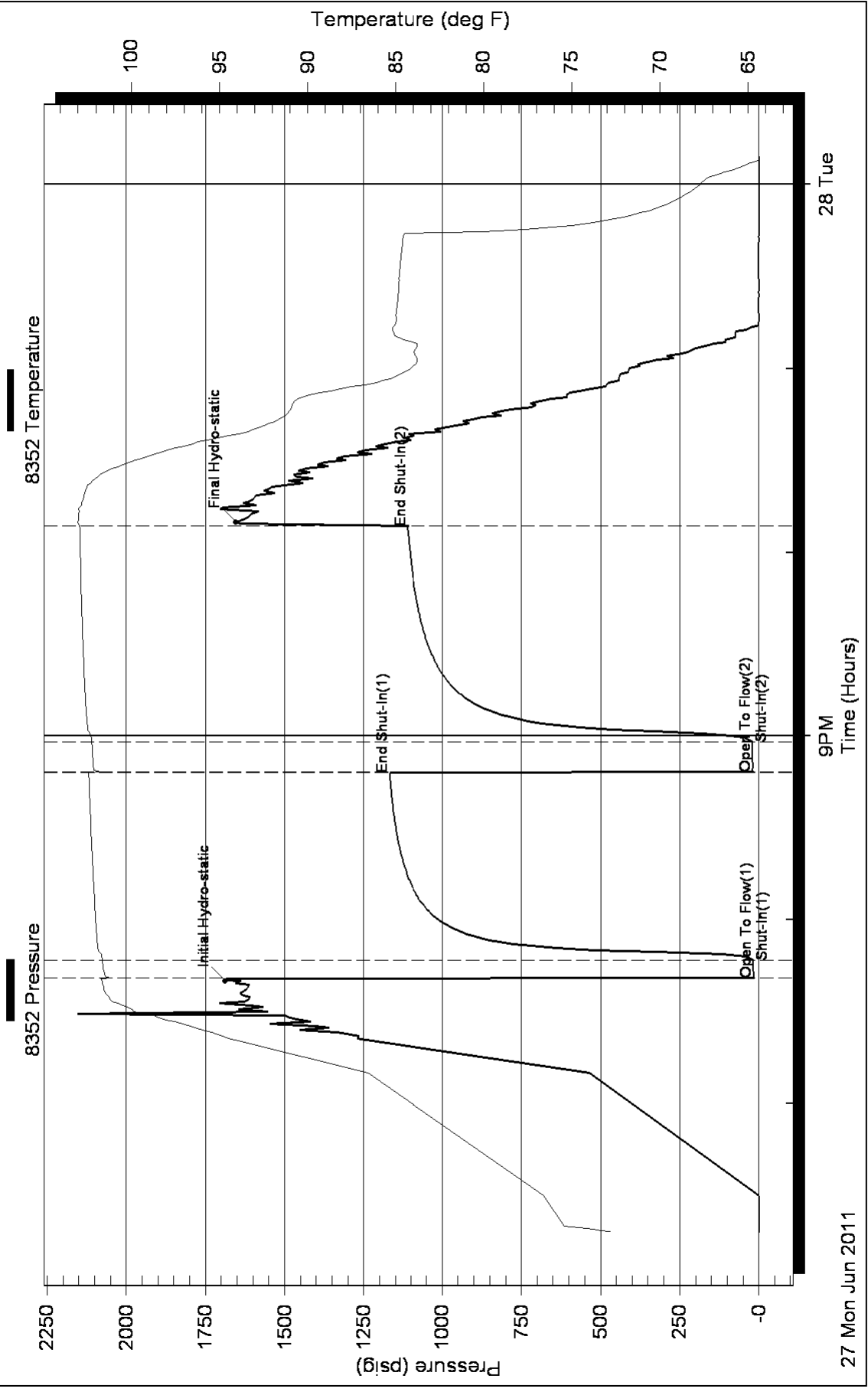
Serial #:

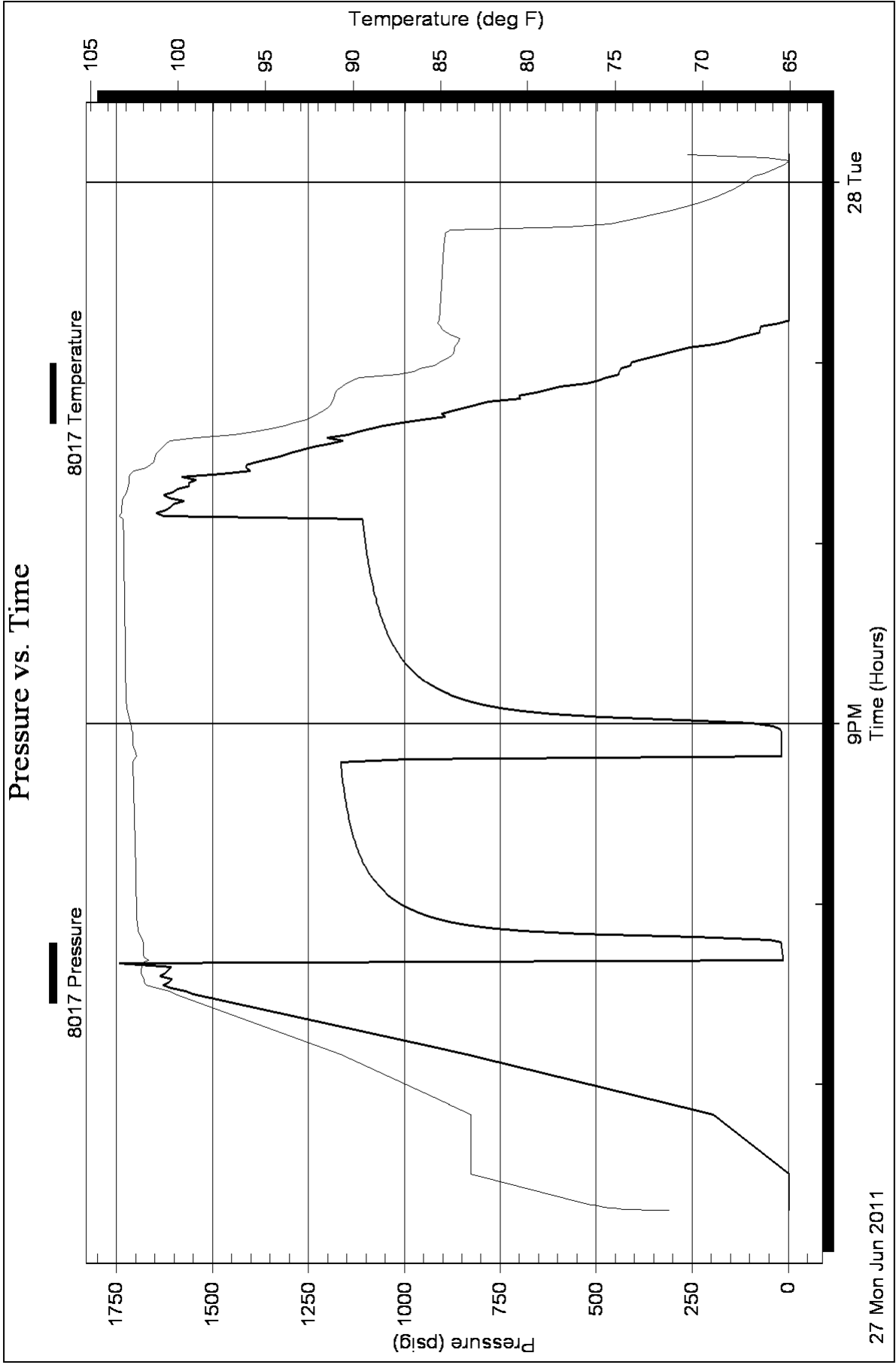
Laboratory Name:

Laboratory Location:

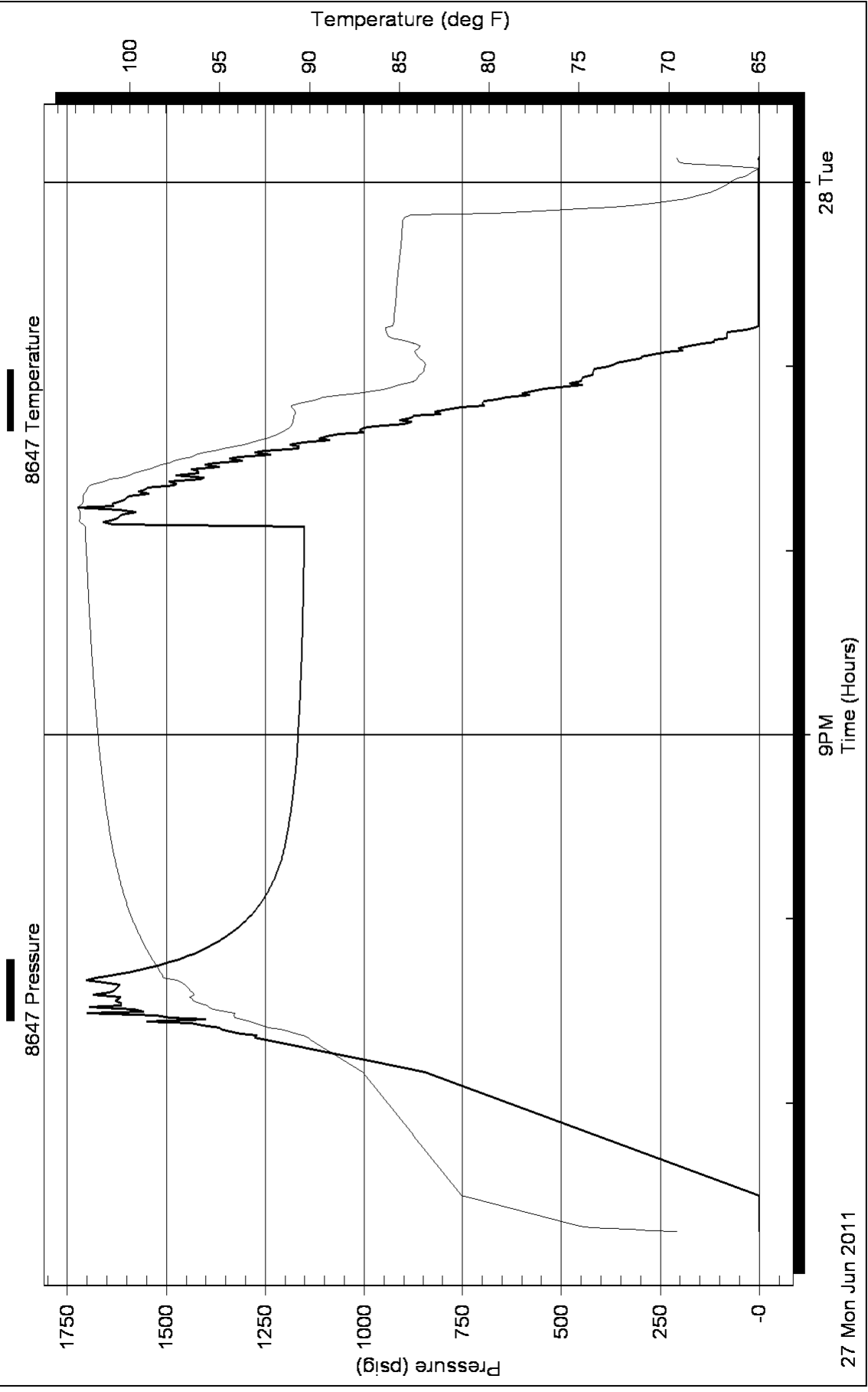
Recovery Comments: Sampler Data- o=tr m=400ml Pressure=105ibs

Pressure vs. Time





Pressure vs. Time



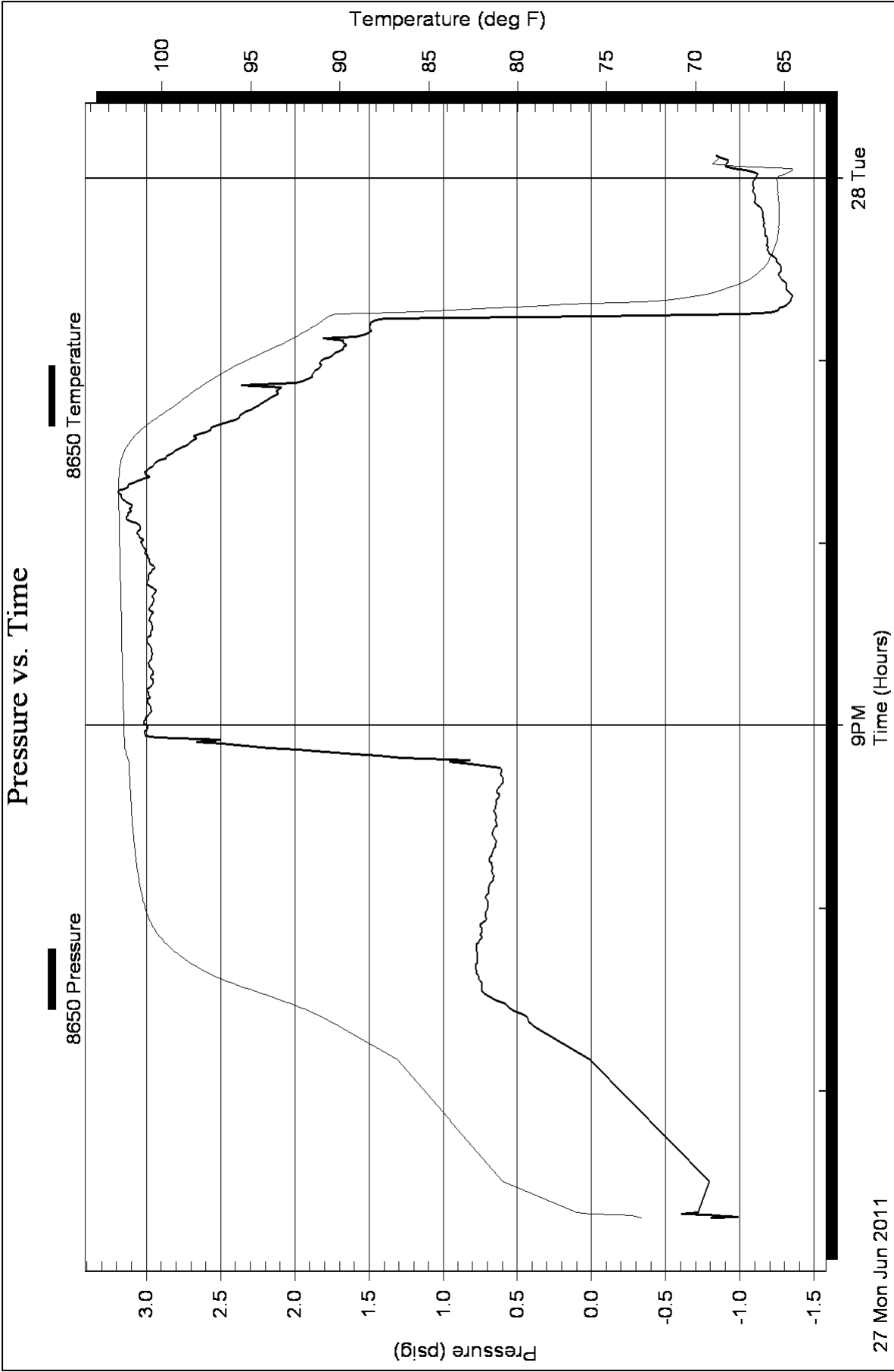
Serial #: 8650

Fluid

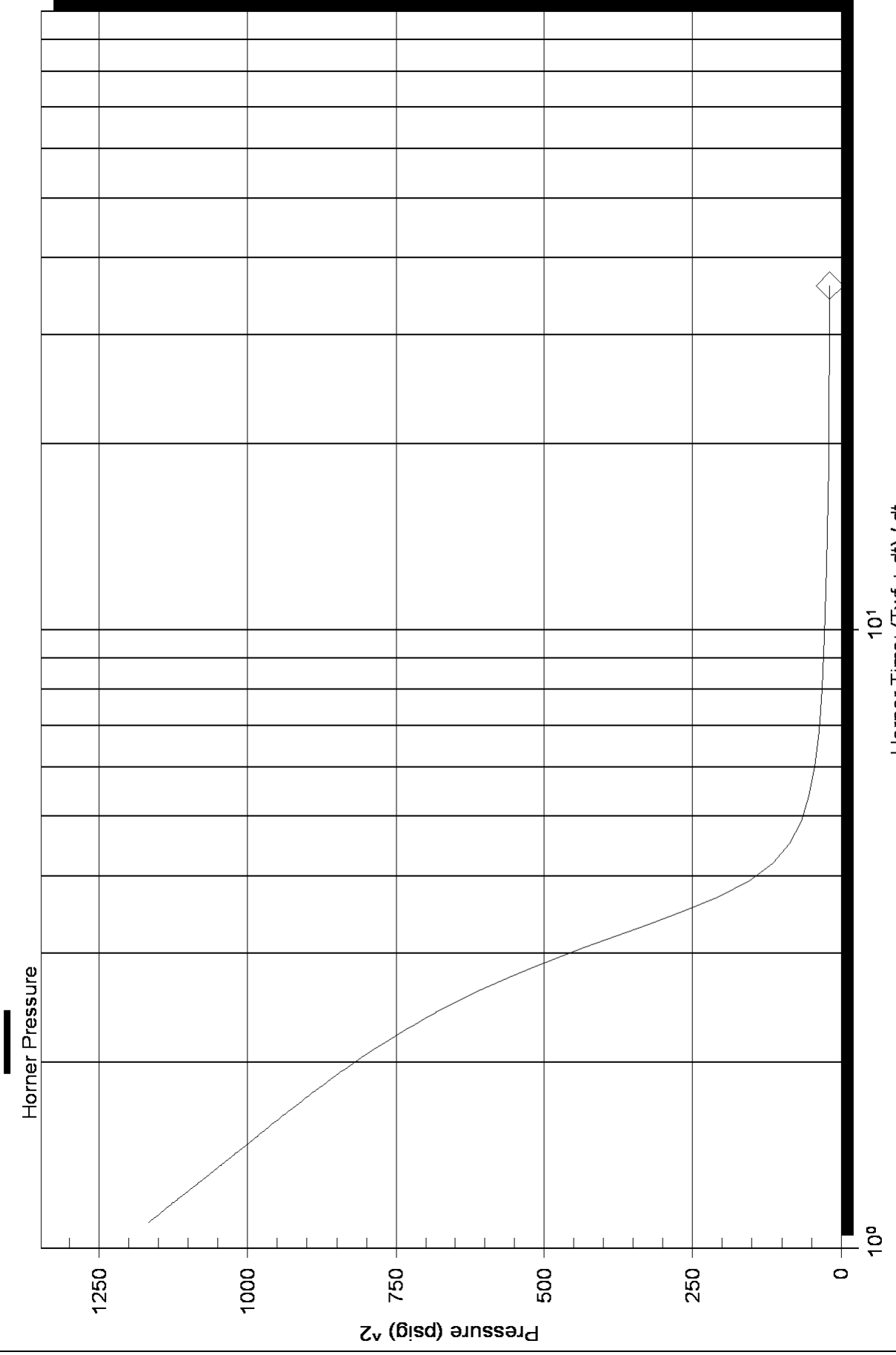
Sam Gary Jr. & Assoc. inc

36-15s-36w Ellis

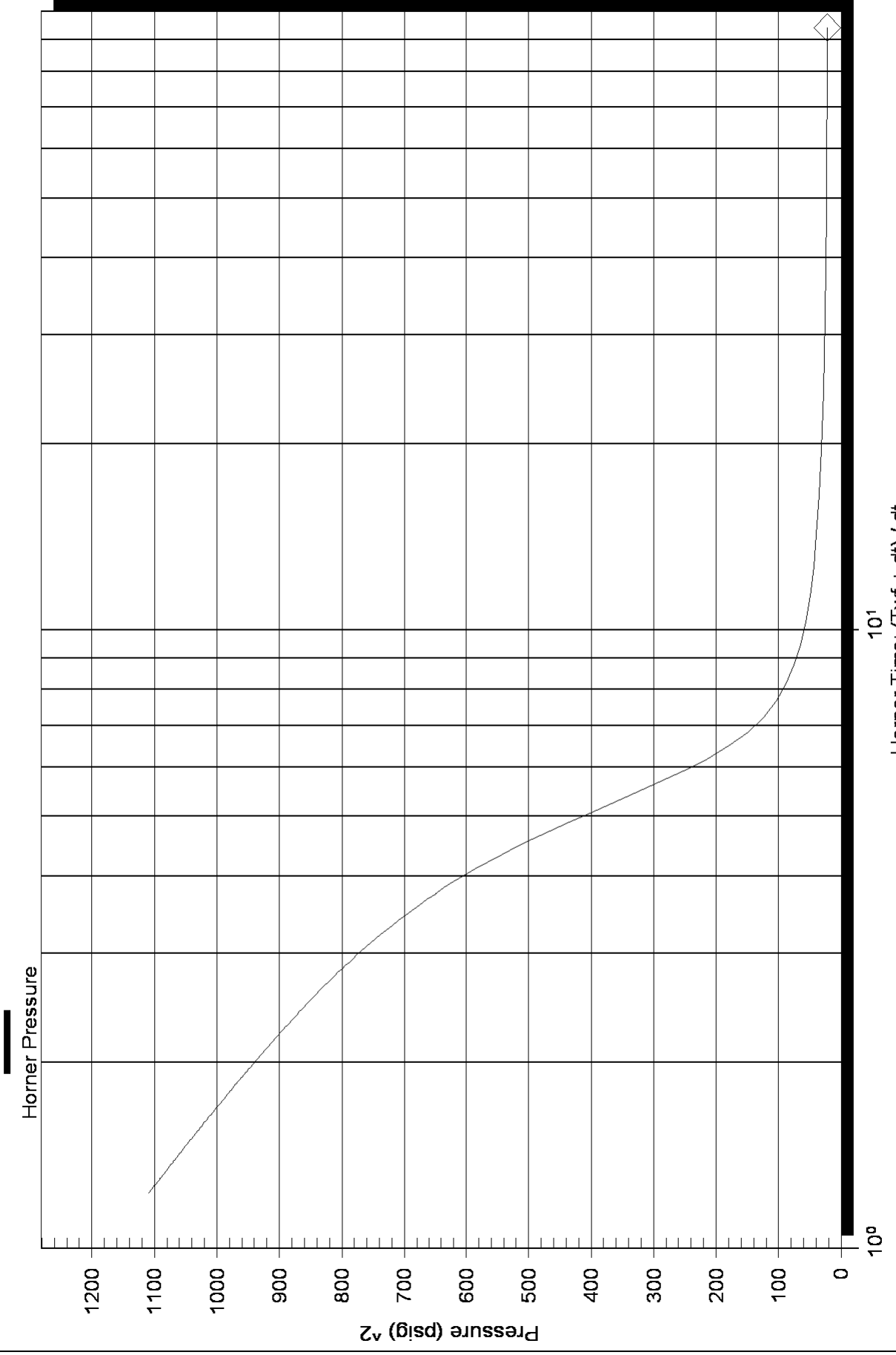
DST Test Number: 3



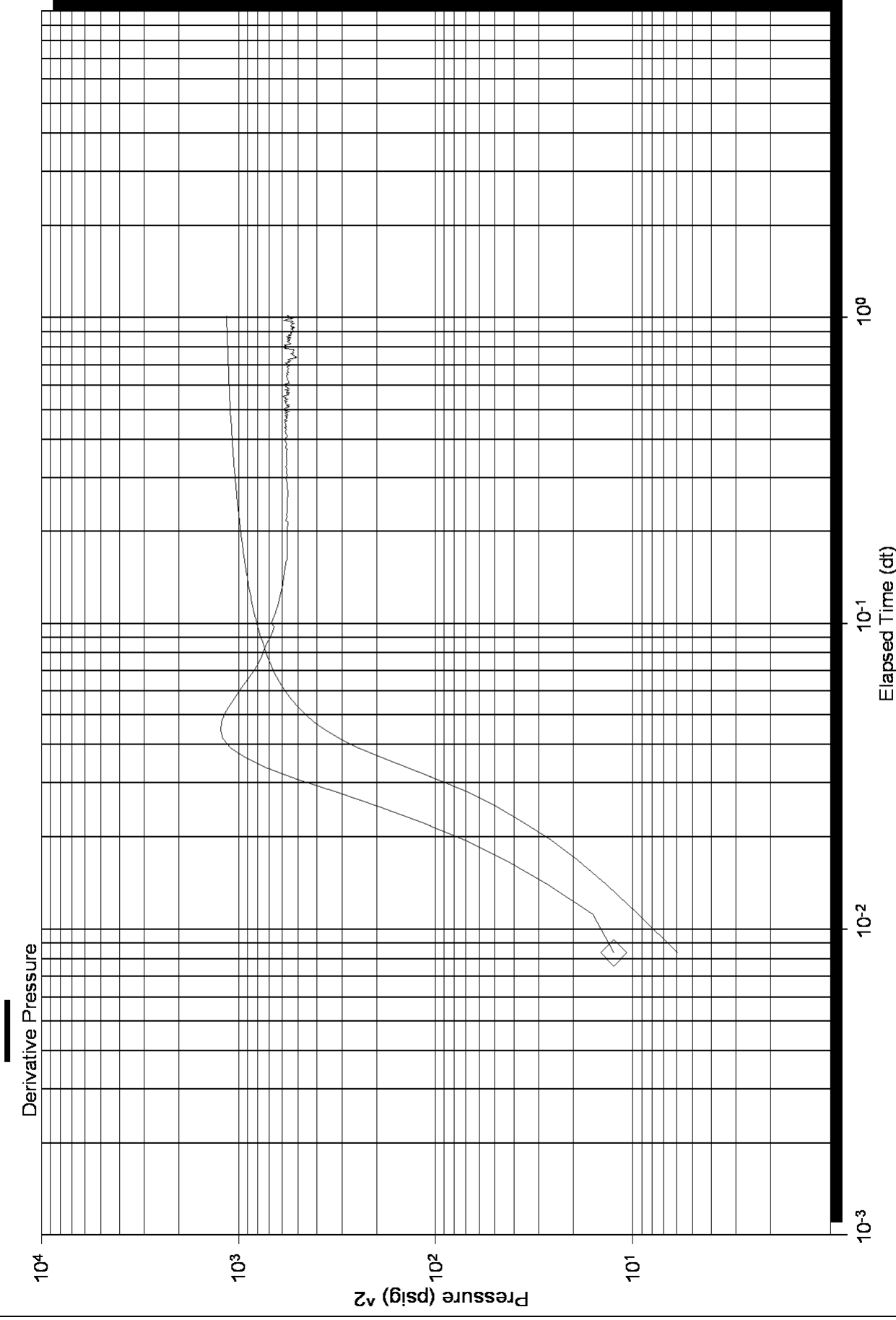
Homer Plot



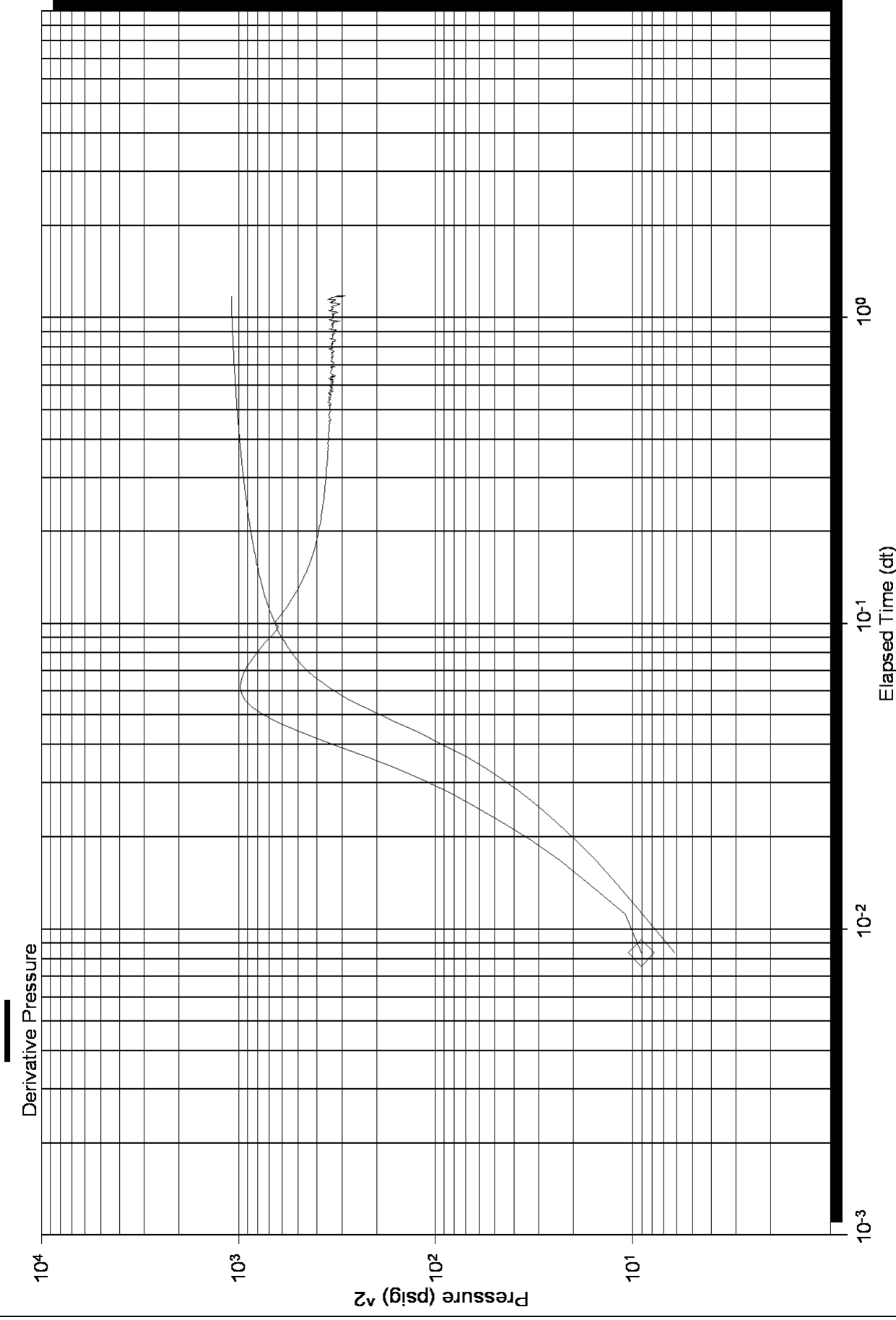
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





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

Well Name: BOXBERGER 5-36
 Location: SEC 36, 15S, 16W, ELLIS Co. Kansas
 License Number: 15-051-26150-0000
 Spud Date: 6/21/2011
 Surface Coordinates: 2310' FSL & 2310' FEL
 Region: Wildcat
 Drilling Completed: 6/27/2011

Bottom Hole Coordinates:
 Ground Elevation (ft): 1920' K.B. Elevation (ft): 1928'
 Logged Interval (ft): 1700' To: 3600' Total Depth (ft): 3600'
 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 Wykoop, Ste. # 700
 Denver, Colo. 80202
 Geo: CLAYTON CAMOZZI

GEOLOGIST

Name: JASON MARSHALL
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 620-655-1298

DST's Report

DST #1, 3175'-3235', 5,60,30,90
 IFP-BUILDING 6" BLOW, ISI-NO RETURN, FF-BOB 17MIN, FSI- NO RETURN, IH-1512, FH-1487, FIF-23, FFF-55, SIF-58, SFF-127, ISI-503, FSI-484, TOTAL REC- 200'

DST #2, 3355'-3416', 10,60,20,60
 IFP-BLOW DIED IN 4 MIN, ISI-NO RETURN, FF-NO BLOW, FSI- NO RETURN, IH-1643, FH-1616, FIF-20, FFF-25, SIF-26, SFF-33, ISI-1071, FSI-938, TOTAL REC- 5'

DST #3, 3393'-3493', 5,60,10,70
 IFP-NO BLOW, ISI-NO RETURN, FF-NO BLOW, FSI- NO RETURN, IH-1688, FH-1653, FIF-14, FFF-18, SIF-18, SFF-19, ISI-1166, FSI-1110, TOTAL REC- 5'

ROCK TYPES

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

ACCESSORIES

MINERAL	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandy lms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Siltstn
Carb	Sand	Strom	
Chtdk	Silty	Fuss	
Chtlt		Oomold	
Dol	FOSSIL	STRINGER	
Feldspar	Algae	Anhy	
Ferrpel	Amph	Arg	
Ferr	Belm	Bent	
Glau	Bioclst	Coal	
Gyp	Brach	Dol	
Hvymin	Bryozoa	Gyp	
Kaol	Cephal	Ls	
Marl	Coral	Mrst	
Minxl	Crin	Sltstrg	
Nodule	Echin	Ssstrg	
Phos	Fish	Carbsh	
Pyr	Foram		
		TEXTURE	
		Boundst	
		Chalky	
		Cryxln	
		Earthy	
		Finexln	
		Grainst	
		Lithogr	
		Microxln	
		Mudst	
		Packst	
		Wackest	

OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- B Fenest
- F Fracture
- X Inter
- M Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- r Subrnd
- a Subang

- A Angular

OIL SHOWS

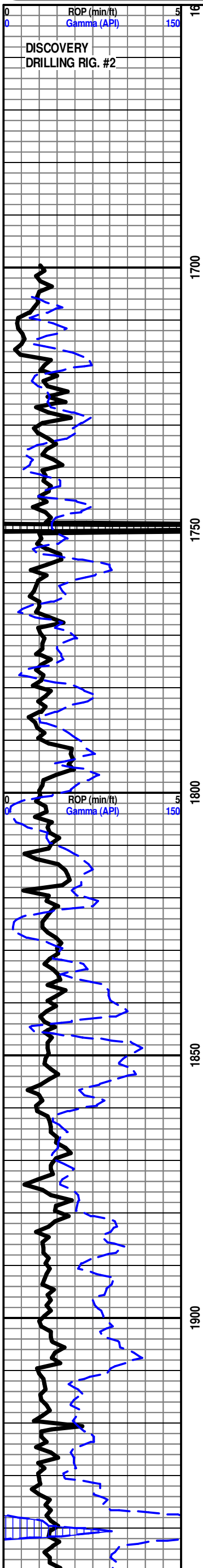
- Even
- Spotted
- Ques
- Dead
- ⊠ Gas show

INTERVALS

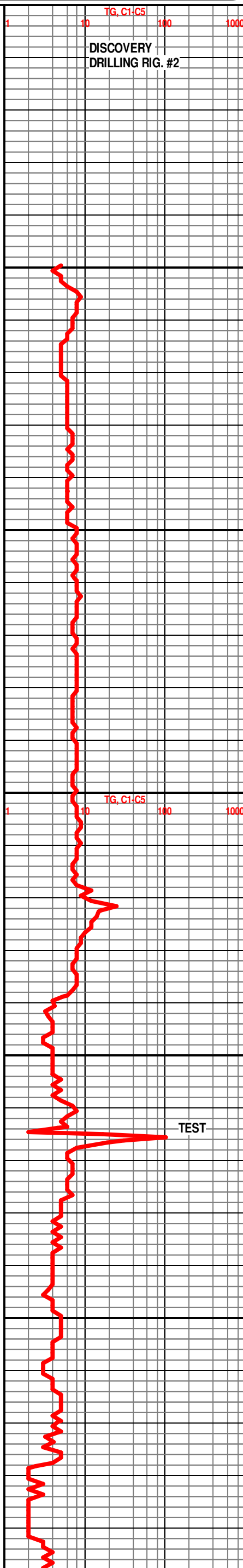
- Core
- Dst
- Dst

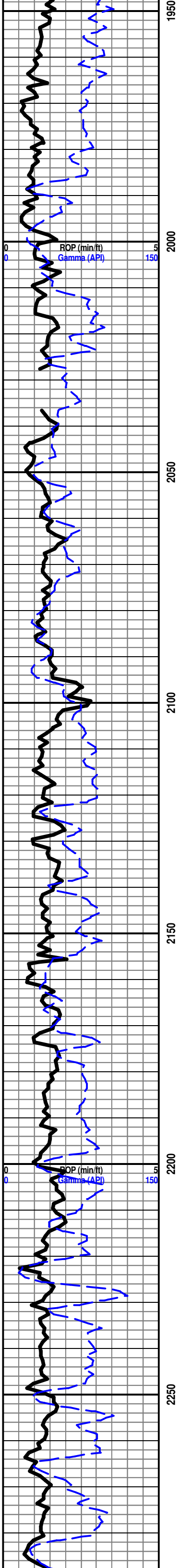
EVENTS

- ▽ Rft
- ▾ Sidewall



BOXBERGER 5-36
START UNMANNED UNIT 6/23/2011





1950

2000

2050

2100

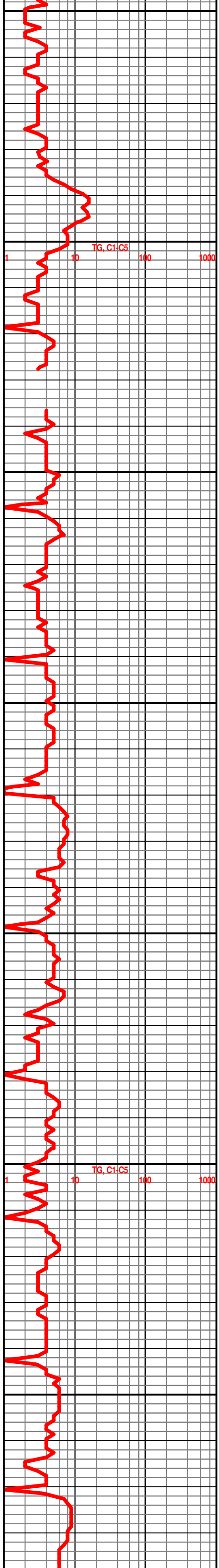
2150

2200

2250

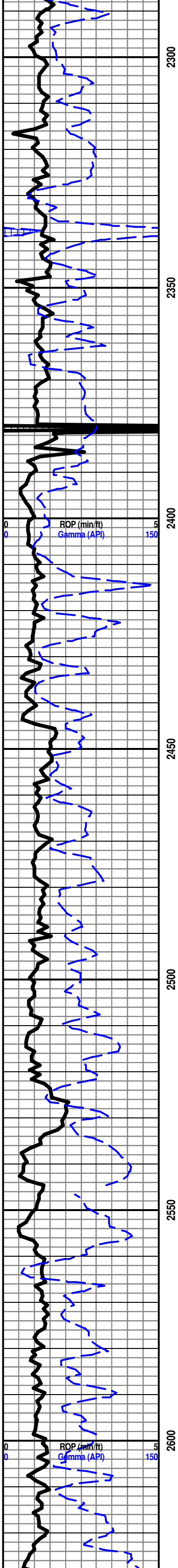
ROP (min/ft)
Gamma (API)

ROP (min/ft)
Gamma (API)



TG, C1-C5

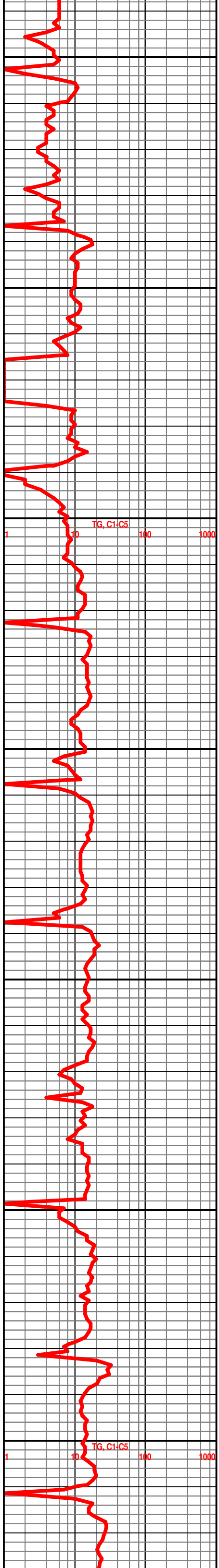
TG, C1-C5



2300
2350
2400
2450
2500
2550
2600

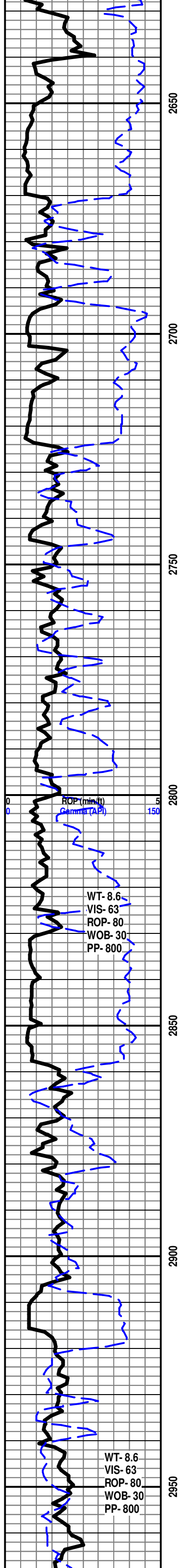
ROP (min/ft)
Gamma (API)

0
150



TG, C1-C5

1
10
100
1000



BASE ROOT SHALE @ 2670' - 742'

START MANNED UNIT ON 6/24/2011 @ 7:10 P.M.

HOWARD 2858' - 930'

LS- CRM, LT TN TO TN, HD DNS TO BRITT, MD XLN, REXLN MTRX, SUCRO TXT IP, IMBD FOSS FRAGS IP, DLL YEL FLO IP, NO VIS POR, NO VIS SHOW

LS- CRM OFF WHT LT TN TO TN, HD DNS TO BRITT, FN TO MD XLN, REXLN MTRX, IMBD CALC XLS SCAT THRU, IMBD FOSS FRAGS IP, SLI TR IMBD GRY SHALE, TR SFT GRYISH WHT CHLK SCAT THRU, DLL YEL FLO SCAT IP, NO VIS POR, NO VIS SHOW

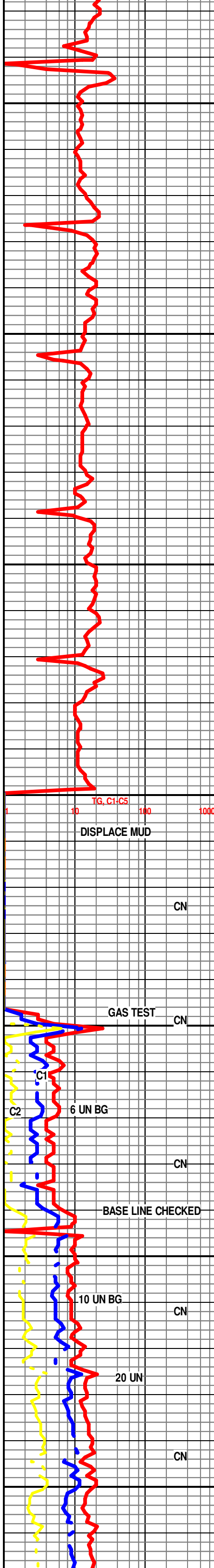
SEVERY 2906' - 978'

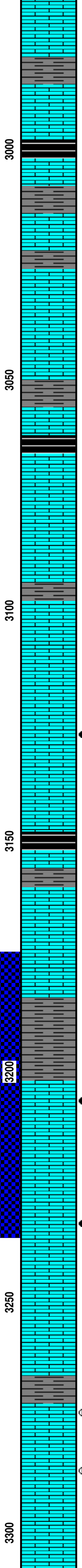
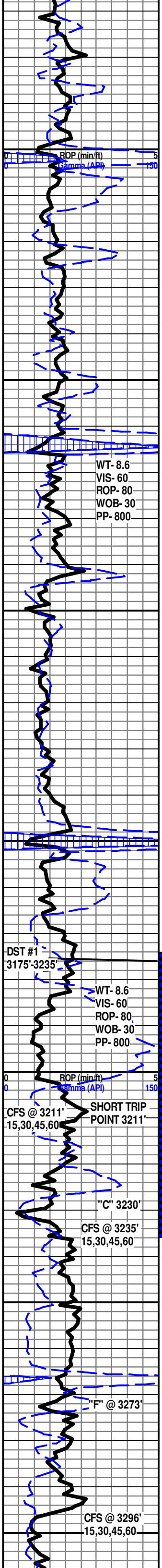
SH- GRY TO DK GRY, FRM TO TR SFT, BLKY

TOPEKA 2916' - 988'

LS- CRM LT TN TO TN, HD DNS, FN TO MD XLN TO REXLN MTRX SCAT THRU, TR SUCRO TXT SCAT IP, IMBD CALC XLS IP, IMBD FOSS FRAGS IP, IMBD GRY SHALE SCAT IP, DLL TO TR BRIT YEL FLO IN 10%, NO VIS POR, NO VIS CUT, NO VIS SHOW

LS- CRM LT TN TO TN, HD DNS, FN XLN TO REXLN MTRX SCAT THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS SCAT THRU, IMBD FOSS FRAGS IP, SLI TR IMBD GRY SHALE IP, DLL TO TR BRIT YEL FLO IN 20%, NO VIS POR, NO VIS CUT, NO VIS SHOW





SH- GRY TO DK GRY, FRM, SMTH BLKY

LS- CRM OFF WHT BUFF LT TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, SUCRO TXT THRU, IMBD CALC XLS THRU, IMBD FOSS FRAGS IP, TR SFT WHT CHLK SCAT IP, TR BRIT YEL FLO IN 5%, NO VIS POR, NO VIS SHOW

SH- SOFT BLACK CARB SHALE

SH- GRY TO DK GRY, FRM, SMTH BLKY, SLI TR IMBD DISS PYR IP

LE COMPTON 3025' - 1097'

LS- CRM OFF WHT LT TN, HD DNS, V/FN TO FN XLN TO REXLN MTRX, SUCRO TXT THRU, IMBD CALC XLS THRU, SLI TR FRM TO SFT WHT CHLK, DLL MIN FLO IN 10%, NO VIS POR, NO VIS SHOW

SH- GRY TO DK GRY, FRM, SMTH BLKY, SLI LIMY

SH- SOFT BLACK CARB SHALE

LS- CRM OFF WHT LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX, IMBD CALC XLS SCAT THRU, SLI TR IMBD FOSS FRAGS, TR SFT WHT CHLK IP, DLL YEL FLO IN 15%, NO VIS POR, NO VIS SHOW

SH- GRY TO DK GRY, FRM, BLKY

LS- CRM BUFF TN TO DK TN, DEAD TARY OIL STAIN IN 40%, HD DNS TO BRITT, V/FN TO MD XLN TO REXLN MTRX SCAT THRU, SLI TR SURCO TXT SCAT IP, IMBD CALC XLS THRU, IMBD FOSS FRAGS THRU, DLL GLD FLO IN 50%, FR INTR-XLN TO TR GD MICRO PP POR, GD INST FLUSH CUT THRU, GD STRONG MLKY BLUE STREAM CUT IN 45%, FR OIL ODOR, DK TN STAIN ON DISH

HEEBNER 3148' - 1220'

LS- CRM OFF WHT LT TN TO TN, HD DNS TO BRITT, V/FN TO FN XLN TO REXLN MTRX, SUCRO TXT SCAT IP, IMBD CALC XLS, TR IMBD DISS PYR SCAT IP, STAIN IN 5%, DLL GLD FLO IN 10%, PR PP POR, NO VIS CUT, NO VIS SHOW

DOUGLAS 3183' - 1255'

SH- GRY TO DK GRY, FRM TO SFT IP, SMTH BLKY, TR IMBD DISS PYR

LANSING 3202' - 1274'

LS- CRM LT TN TO TN, STAIN IN 25%, HD DNS TO BRITT, FN XLN TO REXLN MTRX SCAT THRU, SLI TR SUCRO TXT IP, IMBD CALC XLS THRU, SLI TR IMBD FOSS FRAGS IP, DLL TO BRIT YEL FLO IN 35%, FR TO TR GD INTR-XLN TO PR TO FR VUG POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 15%, GD OIL ODOR, TO LT BRN STAIN ON DISH

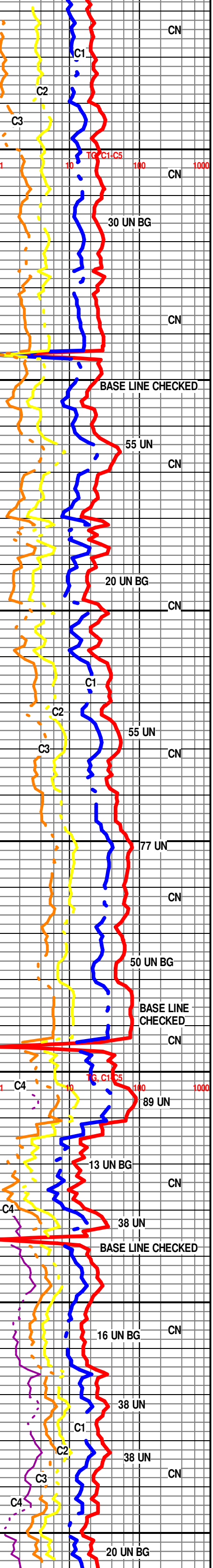
LS- CRM OFF WHT LT TN TO TN, STAIN IN 45%, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX, IMBD CALC XLS THRU, SLI TR IMBD OOL SCAT IP, SLI TR GRAYISH WHT CHLK IP, DLL GLD TO BRIT YEL IN 40%, FR INTR-XLN TO TR GD VUG POR, GD FLUSH CUT IN 70% TO GD STRONG SLOW MLKY BLUE STREAM CUT IN 35%, FR TO GD OIL ODOR, LT BRN STAIN ON DISH

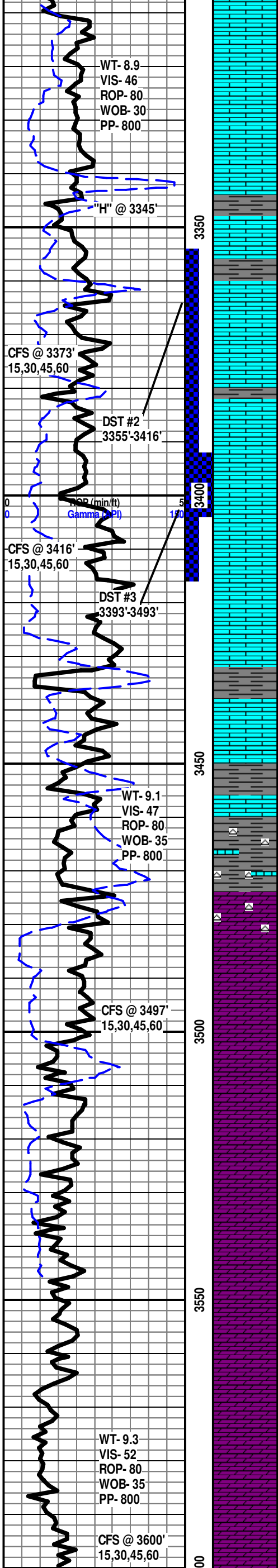
LS- CRM LT TN TO TN, HD DNS TO BRITT, FN TO REXLN MTRX, IMBD CALC XLS THRU, DLL GLD TO BRIT YEL FLO IN 5%, PR MICRO PP POR, NO VIS CUT NO VIS SHOW

LS- CRM LT TN TO TN, STAIN IN 60%, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX, CALC XLS SCAT IP, IMBD OOL SCAT THRU, IMBD FOSS FRAGS IP, GLD TO BRIT YEL FLO IN 30%, FR PP TO TR FR VUG POR, GD FLUSH CUT THRU TO GD STRONG SLOW MLKY BLUE STREAM CUT IN 30%, FR TO GD OIL ODOR, LT BRN STAIN ON DISH

LS- CRM OFF WHT LT TN TO TN, STAIN IN 50%, HD DNS TO BRITT, FN XLN TO REXLN MTRX, IMBD CALC XLS THRU, TR IMBD OOL SCAT IP, TR FRM TO SFT WHT CHLKY SCAT THRU, DLL TO BRIT YEL FLO IN 40%, FR INTR-XLN TO PR VUG POR, FR FLUSH CUT THRU TO GD SLOW STRONG MLKY BLUE STREAM CUT IN 15%, GD OIL ODOR

LS- CRM OFF WHT TO WHT LT TN, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX, IMBD CALC XLS THRU, SFT





TO MD XLN TO REXLN MTRX, IMBD CALC XLS THRU, SFT WHT CHLK SCAT THRU, DLL YEL FLO THRU, PR OOLCST POR IP, NO VIS CUT NO VIS SHOW

LS- CRM OFF WHT TO WHT LT TN, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX, IMBD CALC XLS THRU, FRM TO SFT WHT CHLK SCAT THRU, DLL TO BRIT YEL FLO IN 30%, PR OOLCST TO TR FR INTR-XLN POR IP, FR FLUSH CUT TO NO STREAM CUT, V/PR OIL ODOR

LS- CRM OFF WHT LT TN, STAIN IN 15%, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, SUCRO TXT IP, IMBD CALC XLS IP, TR OF OOL MLDS SCAT THRU, DLL GLD FLO IN 20%, PR TO FR OOLCST POR, V/PR FLUSH CUT TO NO STREAM CUT, FR OIL ODOR

LS- CRM LT TN TO DK TN, STAIN IN 65%, HD DNS TO BRITT, FN XLN TO REXLN MTRX, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, V/SLI TR IMBD OOL, IMBD GRN CLAY SCAT IP, GLD TO BRIT YEL FLO IN 45%, FR TO GD INTR-XLN TO POSS FR FRAC POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 40%, GD OIL ODOR, LT TN TO TN STAIN ON DISH

LS- CRM LT TN, HD DNS, FN XLN TO REXLN MTRX, IMBD CALC XLS THRU, TR IMBD FOSS FRAGS IP, FRM WHT CHLK SCAT IP, DLL TO BRIT YEL FLO IN 10%, PR MICRO PP TO FR INTR-XLN POR, NO FLUSH CUT TO PR WEAK MLKY BLUE STREAM CUT, V/PR OIL ODOR

LS- CRM LT TN TO TN, STAIN IN 30%, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX, CALC XLS SCAT THRU, GLD TO BRIT YEL FLO IN 35%, FR MICRO PP TO GD INTR-XLN TO POSS GD FRAC POR, FR FLUSH CUT THRU, TO SLOW MLKY BLUE STREAM CUT IN 10%, FR OIL ODOR

BASE KANSAS CITY @ 3433' -1505'

SH- GRY TO DK GRY, FRM, SMTH BLKY TO TR SPLINTY, SLI TR IMBD DISS PYR

LS- CRM OFF WHT LT TN TO TN, STAIN IN 40%. HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, IMBD CALC XLS SCAT IP, IMBD FOSS FRAGS IP, SLI TR SFT WHT CHLK SCAT IP, DEAD OIL STAIN IN 10% GLD TO BRIT YEL FLO IN 20%, FR INTR-XLN POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 40%, FR OIL ODOR

SH- GRY TO DK GRY RDISH BRN, SFT, BLKY, YELISH WHT TO PNK CHRT SCAT THRU, LIMY THRU

ARBUCKLE @ 3474' - 1546'

DOL- GRY TN TO DK TN, STAIN IN 90%, V/BRITT, FN XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM ANG TO S/RND DOL GRNS, V/SLI TR FRM WHT CHLK, SLI TR YELISH WHT CHRT SCAT IP, LIVE OIL ON 65%, DLL GLD FLO THRU TO BRIT GLD FLO IN 35%, FR TO GD INTR-XLN POR TO TR FR VUG POR, EXCL INST FLUSH CUT THRU, TO EXCL STRONG MLKY BLUE CUT IN THRU, FR OIL ODOR, DK BRN STAIN ON DISH

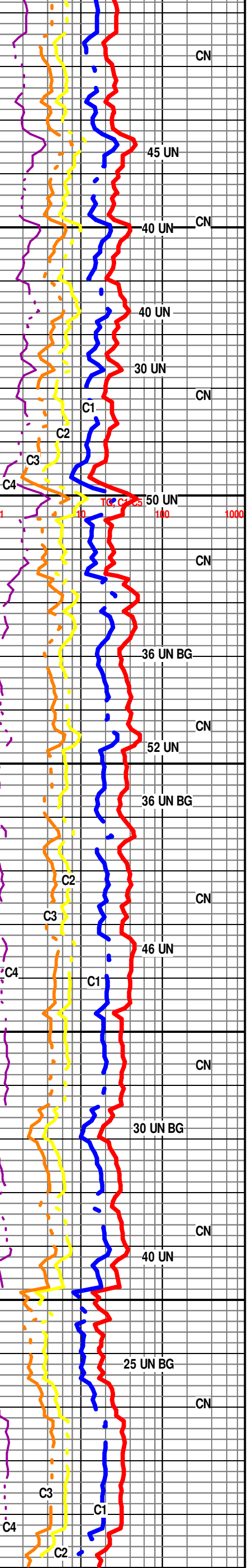
DOL- OFF WHT TN TO DK TN, STAIN IN 70%, HD DNS BRITT, FN XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM TO MD S/ANG TO S/RND DOL GRNS, LIVE OIL ON 45%, DLL GLD FLO THRU TO BRIT GLD FLO IN 25%, FR TO GD INTR-XLN POR TO TR FR VUG POR, EXCL INST FLUSH CUT THRU, TO EXCL STRONG MLKY BLUE CUT IN THRU, PR TO FR OIL ODOR, DK BRN STAIN ON DISH

DOL- OFF WHT WHT TO LT TN, HD DNS TO BRITT, FN TO MD XLN, REXLN MTRX THRU, IMBD MD S/ANG DOL GRNS SCAT THRU, DLL GLD FLO THRU, FR TO TR GD INTR-XLN POR, GD FLUSH CUT THRU TO PR STREAM CUT IN 10%, V/PR OIL ODOR

DOL- OFF WHT TN TO DK TN, STAIN IN 60%, HD DNS BRITT, FN XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM S/ANG TO S/ANG DOL GRNS, LIVE OIL ON 60%, GLD FLO THRU TO BRIT FLO IN 40%, FR TO GD INTR-XLN TO GD PP TO TR FR VUG POR, EXCL INST FLUSH CUT THRU, TO EXCL STRONG MLKY BLUE CUT IN THRU, FR TO GD OIL ODOR, DK BRN STAIN ON DISH

DOL- WHT TO TR LT TN, HD DNS TO BRITT, FN TO MD XLN, REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD MD S/ANG DOL GRNS SCAT THRU, DLL GLD FLO IN 30%, TR FR INTR-XLN POR, NO VIS CUT TO NO VIS SHOW, NO ODOR

DOL- WHT TO OFF WHT, HD DNS TO BRITT, FN TO MD XLN, REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD MD S/ANG TO ANG DOL GRNS SCAT THRU, DLL GLD FLO IN 10%, TR FR INTR-XLN TO MICRO PP POR, NO VIS CUT TO NO VIS SHOW, NO ODOR



RTD 3600' @ 8:30 AM 06/27/2011

LOGS BY WEATHERFORD
LIBERAL KANSAS

SAMPLES WILL BE
DELIVERED TO THE KGS

LOG COMPLETED BY
JASON MARSHALL

THANK YOU FOR CHOOSING EARTHTECH

