



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: _____



1064642

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (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 4-36
Doc ID	1064642

All Electric Logs Run

DIL
MICRO
POR
SONIC

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



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

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

Sam Brownback, Governor

October 05, 2011

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

Re: ACO1
API 15-051-26101-00-00
BOXBERGER 4-36
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: 6/20/2011
 Invoice # 4963

P.O.#:
 Due Date: 7/20/2011
 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	2200-138
Well/Prospect	BOXBERGER 4-36
Deck	
AFE	
Approval	
Description	

Reference:
 BOXBERGER 4-36

Description of Work:
 LONG SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable
Labor		\$ 950.65	No
Common-Class A	370	\$ 4,699.51	Yes
8 5/8" Basket	3	\$ 986.96	Yes
Bulk Truck Matl-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

Item	Quantity	Price	Taxable
Baffle Plate Aluminum, 8 5/8"	1	\$93.70	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)

SubTotal for Taxable Items: \$ 5,873.77
 SubTotal for Non-Taxable Items: \$ 1,792.29

6.30% Ellis County Sales Tax

Total: \$ 7,666.06
 Tax: \$ 370.05

Thank You For Your Business!

Amount Due: \$ 8,036.10
 Applied Payments:
 Balance Due: \$ 8,036.10

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. 4963

Date	6-14-11	Sec.	36	Twp.	15	Range	16	County	Ellis	State	Ks	On Location		Finish	12:15p				
Lease	Boxbergers	Well No.	4-36		Location Gorham, Ks - S to C.L., 1/4 W, N/1 into														
Contractor	Discovery #2	Owner																	
Type Job	Surface	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	12 1/4"	T.D.	1030'																
Csg.	8 5/8"	Depth	1030.15'																
Tbg. Size		Depth																	
Tool		Depth																	
Cement Left in Csg.	29.66'	Shoe Joint	29.66'																
Meas Line		Displace	63 3/4 BLS																
EQUIPMENT														Charge To		Sam Gary Jr & Associates			
Pumptrk	1	No.	Cementer	Cristo												Street			
Bulktrk	27	No.	Driver	Cory												City		State	
Bulktrk	p.u.	No.	Driver	Rick												City		State	
JOB SERVICES & REMARKS														Cement Amount Ordered		370 sx Common 3% CC			
Remarks:	Cement did Circulate.													2% Gel		1/4" Flt - seal			
Rat Hole														Common		370			
Mouse Hole														Poz. Mix					
Centralizers	1, 16, 22													Gel.		7			
Baskets	2, 17, 23													Calcium		13			
D/V or Port Collar														Hulls					
														Salt					
														Flowseal		92 II			
														Kol-Seal					
														Mud CLR 48					
														CFL-117 or CD110 CAF 38					
														Sand					
														Handling		390			
														Mileage					
FLOAT EQUIPMENT																			
														Guide Shoe					
														Centralizer		3			
														Baskets		3			
														AFU Inserts					
														Float Shoe					
														Latch Down					
														1- Baffle plate					
														1- Rubber plug					
														Pumptrk Charge		Long Surface			
														Mileage		21			
Signature														Tax					
														Discount					
														Total Charge					



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: 6/22/2011
 Invoice # 4883

P.O.#:
 Due Date: 7/22/2011
 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 4-36

Description of Work:
 PROD LONG STRING

DRLG COMP W/O LOE GG

Account	8300-238
Well/Prospect	BOXBERGER 4-36
Deck	
A/E	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 925.29	No	Salt (Fine)	19	\$268.78	Yes
Common-Class A	225	\$ 2,781.60	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$226.99	Yes
Gilsonite	1057	\$ 1,606.64	Yes	Pump Truck Mileage-Job to Nearest Camp	21	\$212.37	No
CFL 117	176	\$ 1,098.62	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$124.28	No
5 1/2" Basket	3	\$ 699.20	Yes	Flo Seal	56	\$113.49	Yes
CD-110	117	\$ 474.24	Yes	KCL	2	\$60.52	Yes
5 1/2" Turbolizer	8	\$ 470.19	Yes				
Bulk Truck Matl-Material Service Charge	225	\$ 456.00	No				
Mud Clear	500	\$ 374.93	Yes				
Defoamer A or CAF-38	50	\$ 354.67	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 310.08	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,557.88
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,583.68)

SubTotal for Taxable Items:	\$ 7,513.94
SubTotal for Non-Taxable Items:	\$ 1,460.25
Total:	\$ 8,974.20
Tax:	\$ 473.38
Amount Due:	\$ 9,447.58
Applied Payments:	
Balance Due:	\$ 9,447.58

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. 4883

Date	6/20/11	Sec.	36	Twp.	15	Range	16	County	Ellis	State	KS	On Location		Finish	6:45A
Lease	BOXBERGER		Well No.	4-36		Location									
Contractor										Owner					
Discovery Drilling Rig #2										To Quality Oilwell Cementing, Inc.					
Type Job										You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Production String															
Hole Size		7 7/8"		T.D.		3630'		Charge To							
Csg.		5 1/2" IS.50#		Depth		3625'		Samuel Gary Jr. + Associates, Inc.							
Tbg. Size				Depth				Street							
Tool				Depth				City							
Cement Left in Csg.		19'		Shoe Joint		19'		State							
Meas Line				Displace		85.8 Bbls.		The above was done to satisfaction and supervision of owner agent or contractor.							
								Cement Amount Ordered							

EQUIPMENT

Pumptrk	9	No.	Cementor	Paul											
			Helper												
Bulktrk	14	No.	Driver	Nate											
			Driver												
Bulktrk	PV	No.	Driver	Rocky											
			Driver												

JOB SERVICES & REMARKS

Remarks:		Calcium	CD-110 117#
Rat Hole	30sx	Hulls	2 gal RCL
Mouse Hole	20sx	Salt	19
Centralizers	1,3,5,7,9,11,13,15	Flowseal	
Baskets	3,9,13	Kol-Seal	
D/V or Port Collar		Mud CLR 48	500 gal. / 20 Bbl. KCL
Est. Circ.	1 hour	CFL-117 or CD110	CAF 38 50#
Plug Rest / mouse		Sand	CFL 117 #176#
...		Handling	
Mix 17.5 sx down 5/2"		Mileage	
Displace - first 20 Bbl. KCL			
Land Plug			
Float Head			

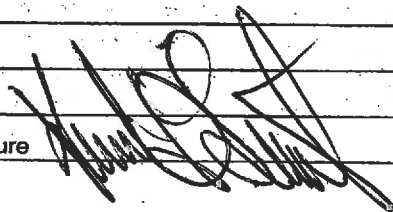
FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8-Turbos
Baskets	3
AFU Inserts	
Float Shoe	
Latch Down	

Rotating Head

Thank You!!

Pumptrk Charge	prod long string
Mileage	21
Tax	
Discount	
Total Charge	

X Signature 



DRILL STEM TEST REPORT

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

1515 Wynkoop, Ste.700
Denver Co. 80202

ATTN: Clayton Camozzi

36-15s-16 Ellis

Boxberger 4-36

Start Date: 2011.06.17 @ 08:44:05

End Date: 2011.06.17 @ 16:00:09

Job Ticket #: 042643 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

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042643

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.06.17 @ 08:44:05

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:14:10

Time Test Ended: 16:00:09

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3177.00 ft (KB) To 3241.00 ft (KB) (TVD)

Reference Elevations: 1935.00 ft (KB)

Total Depth: 3241.00 ft (KB) (TVD)

1927.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press @ RunDepth: 70.95 psig @ 3181.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.17 End Date: 2011.06.17

Last Calib.: 2011.06.17

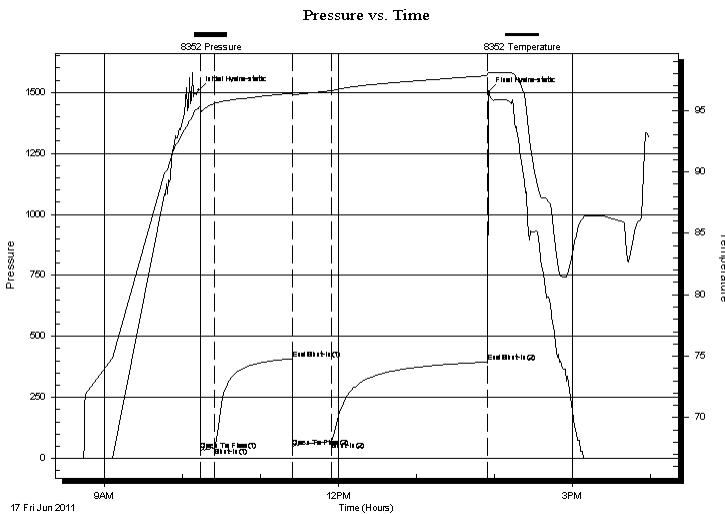
Start Time: 08:44:05 End Time: 16:00:10

Time On Btm: 2011.06.17 @ 10:12:30

Time Off Btm: 2011.06.17 @ 13:55:50

TEST COMMENT: IF:(10min) Fair, 8inch blow
IS:(60min) No Return
FF:(30min) BOB, 24min.
FS:(120min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1507.71	95.16	Initial Hydro-static
2	31.77	94.76	Open To Flow (1)
13	47.13	95.57	Shut-In(1)
72	408.75	96.40	End Shut-In(1)
73	43.80	96.28	Open To Flow (2)
103	70.95	96.62	Shut-In(2)
222	395.04	97.82	End Shut-In(2)
224	1502.77	98.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	SOSM	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042643

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.06.17 @ 08:44:05

Tool Information

Drill Pipe:	Length: 3124.00 ft	Diameter: 3.80 inches	Volume: 43.82 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:	55000.00 lb
			<u>Total Volume: 43.97 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3177.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	101.00 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	4.00			3155.00	
Hydraulic tool	5.00			3160.00	
Jars	5.00			3165.00	
Safety Joint	3.00			3168.00	
Packer	5.00			3173.00	37.00 Bottom Of Top Packer
Packer	4.00			3177.00	
Stubb	1.00			3178.00	
Perforations	2.00			3180.00	
Change Over Sub	1.00			3181.00	
Recorder	0.00	8017	Inside	3181.00	
Recorder	0.00	8352	Outside	3181.00	
Drill Pipe	31.00			3212.00	
Change Over Sub	1.00			3213.00	
Perforations	25.00			3238.00	
Bullnose	3.00			3241.00	64.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042643

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.06.17 @ 08:44:05

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	SOSM	1.261

Total Length: 110.00 ft Total Volume: 1.261 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

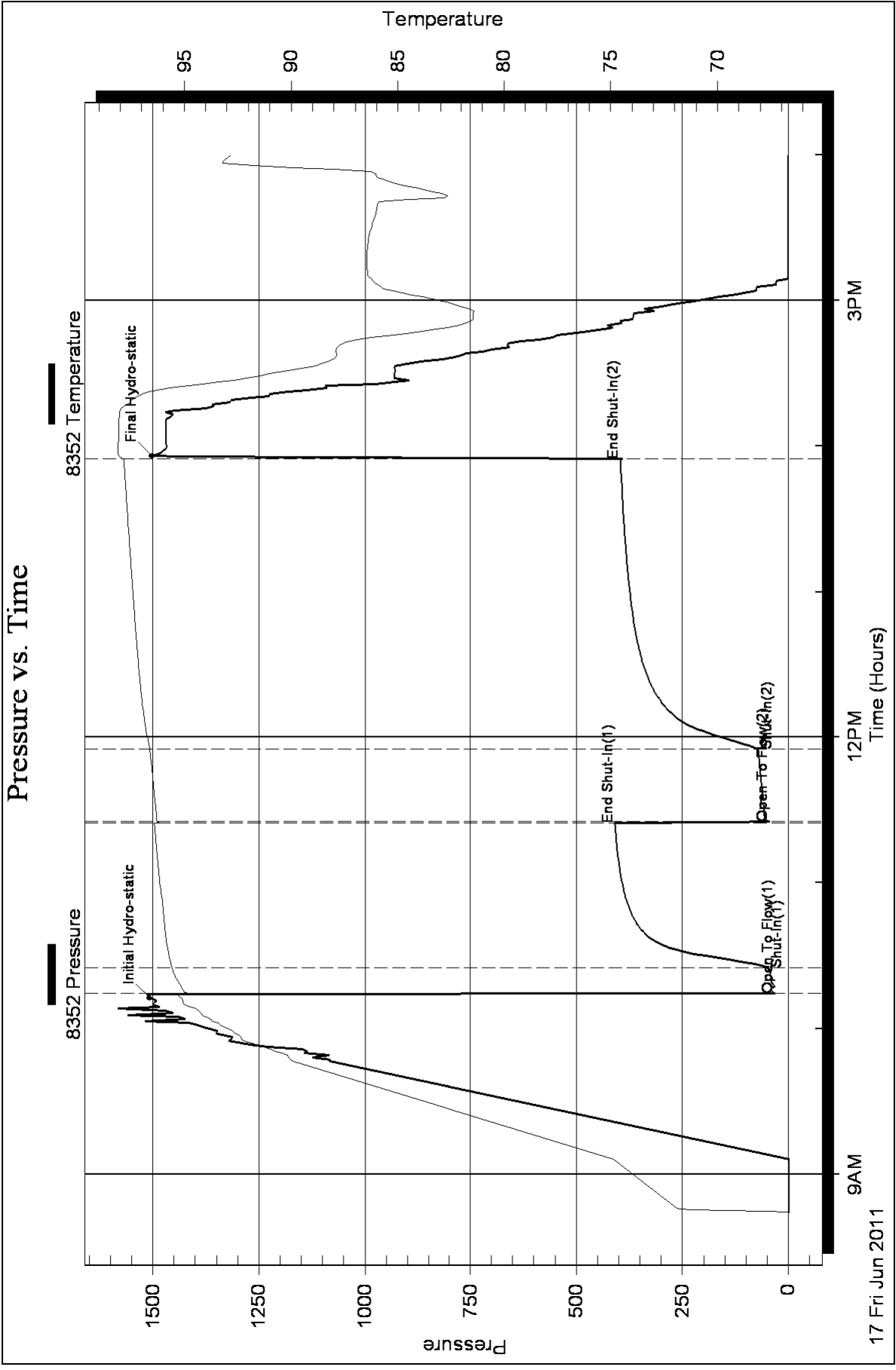
Serial #:

Laboratory Name:

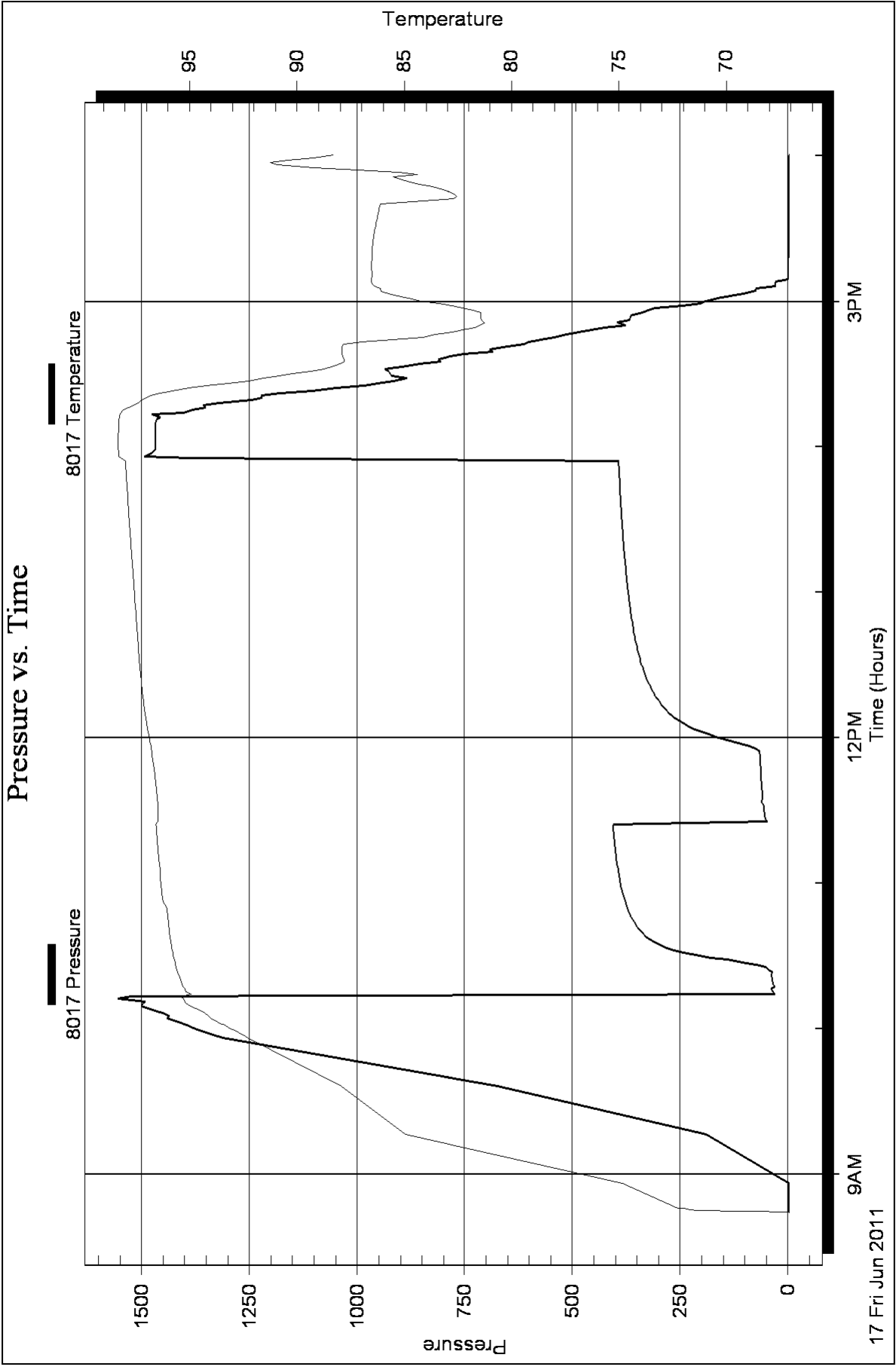
Laboratory Location:

Recovery Comments: Sampler Data- o=tr m=1300ml pressure=525ibs

Pressure vs. Time



Pressure vs. Time



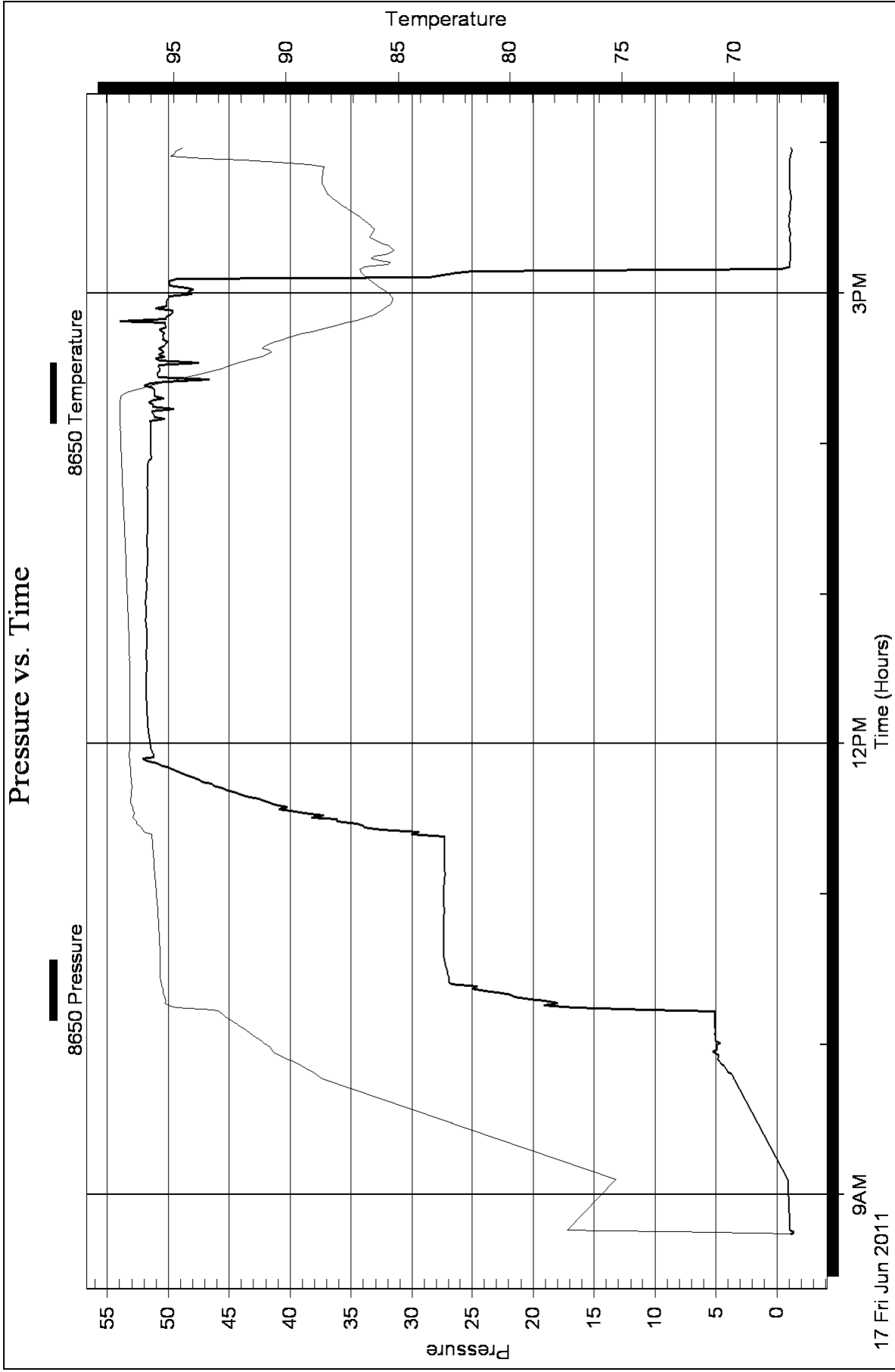
Serial #: 8650

Fluid

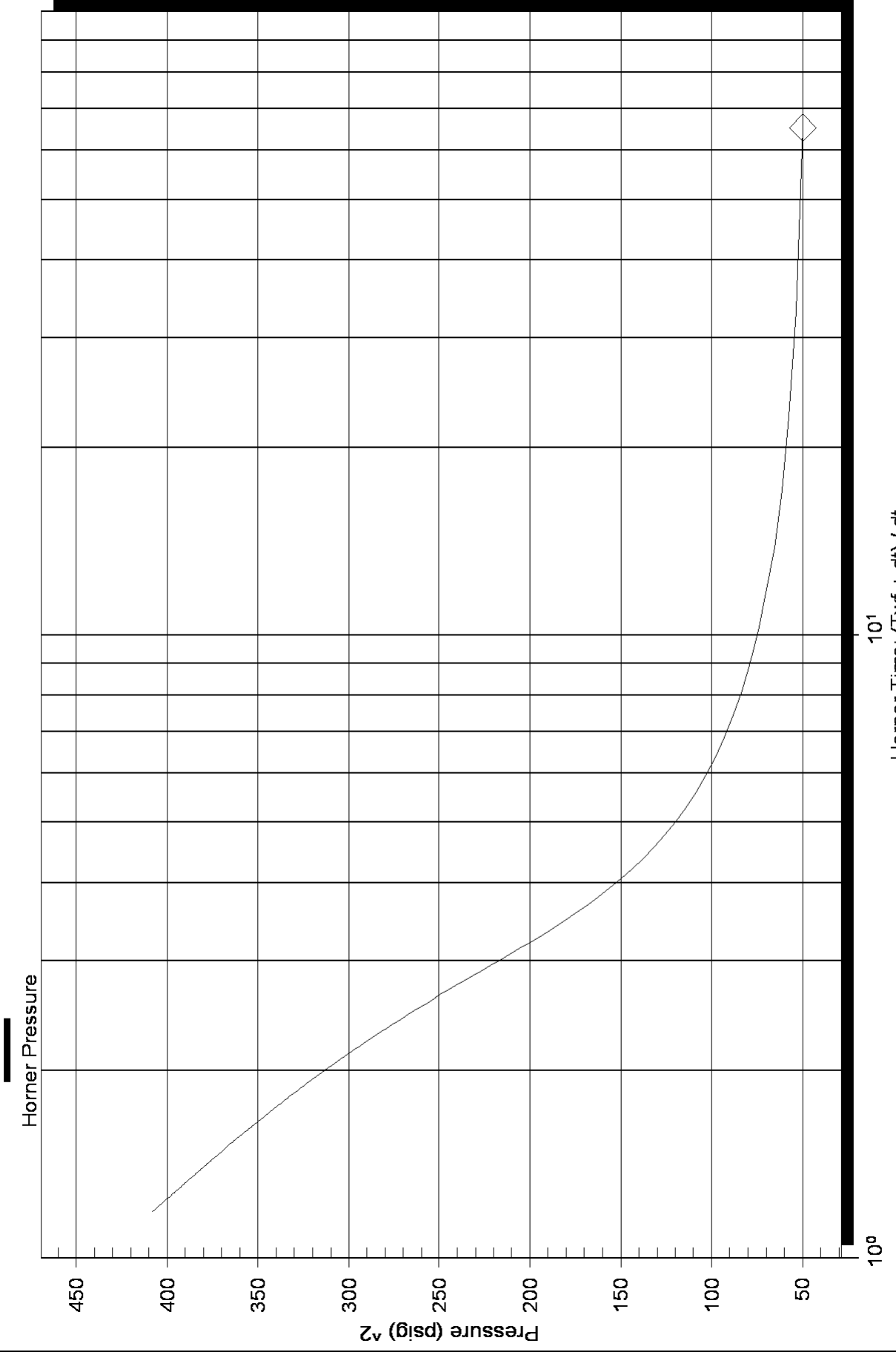
S.Gary Jr&Assoc.inc.

36-15s-16 Ellis

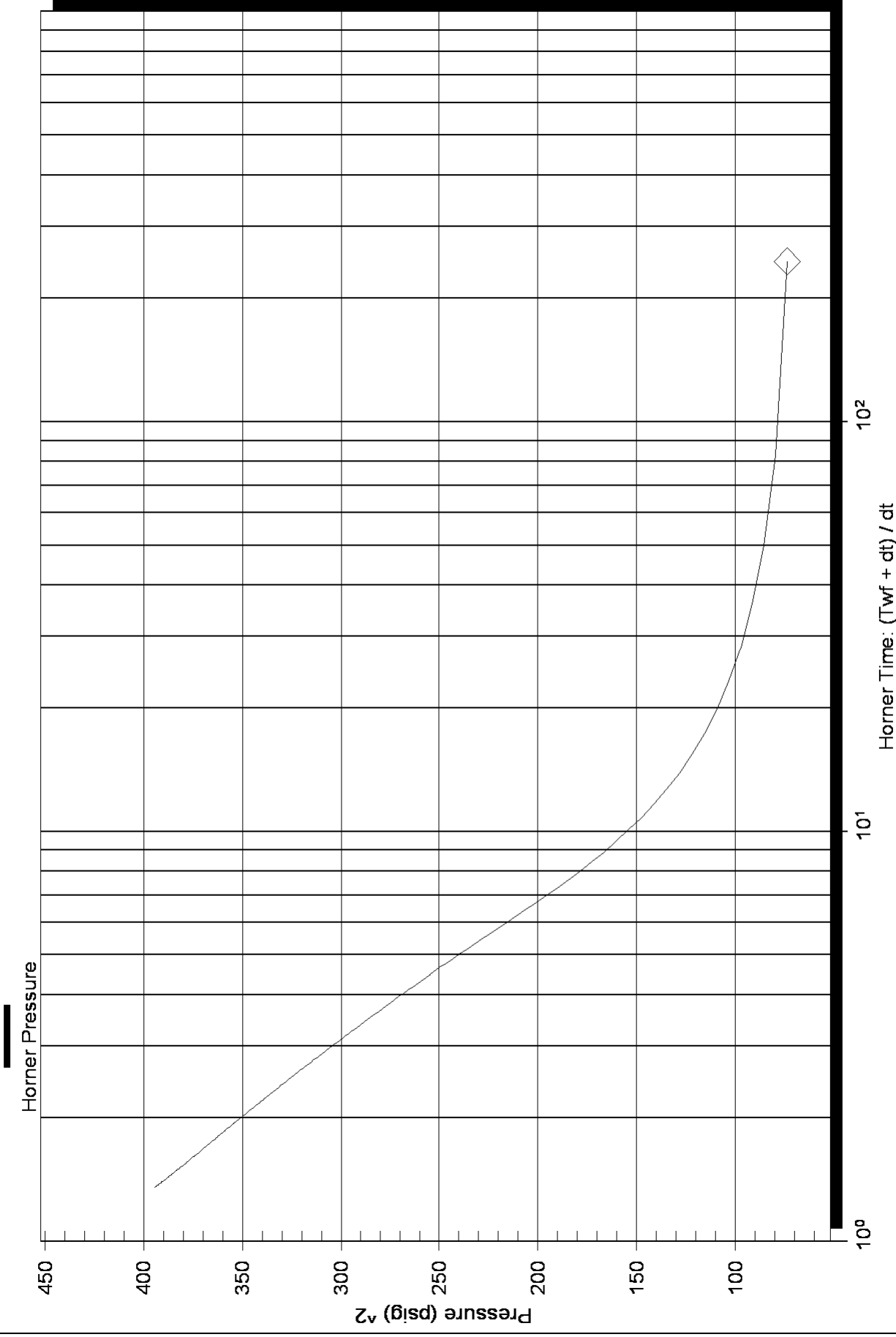
DST Test Number: 1



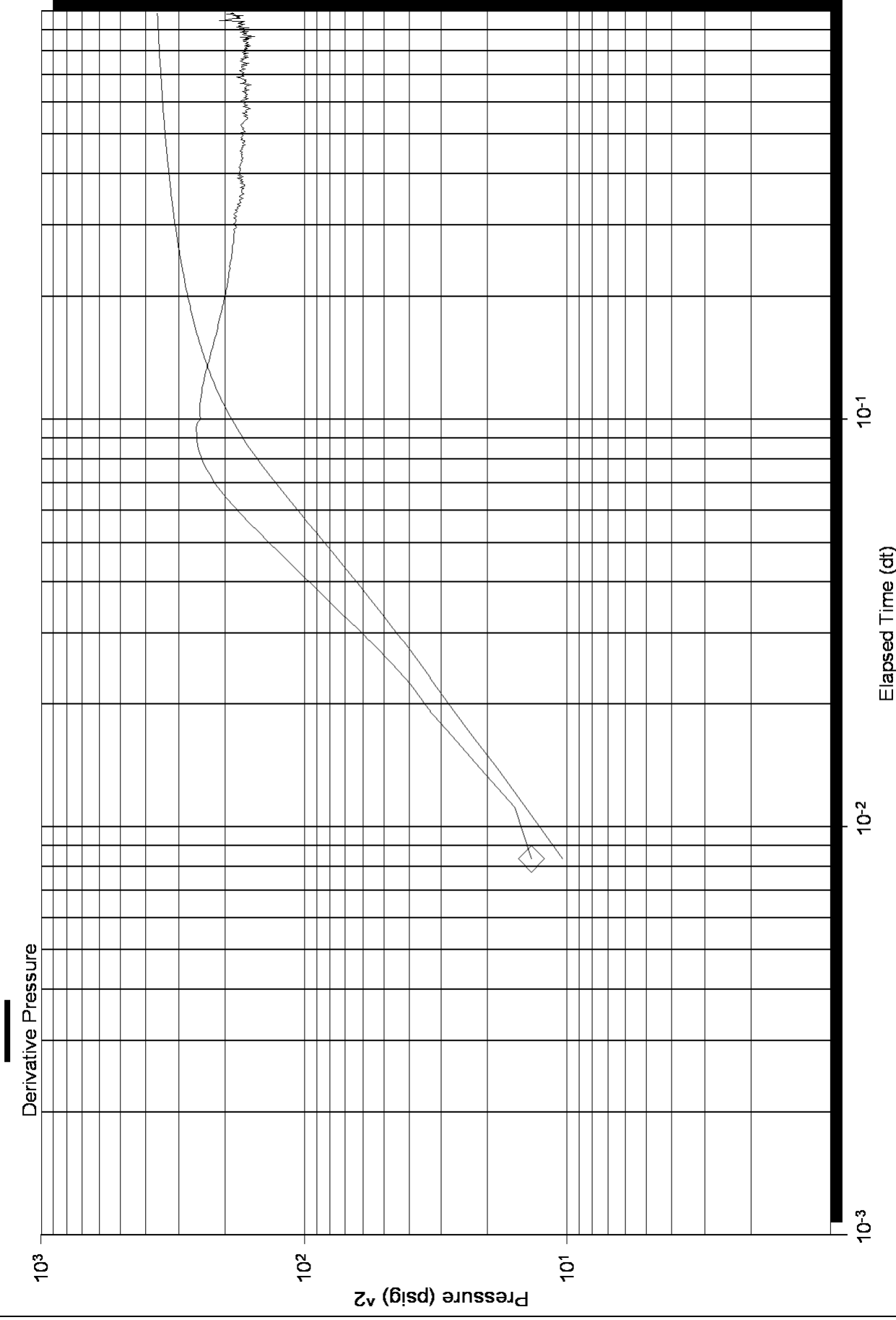
Homer Plot



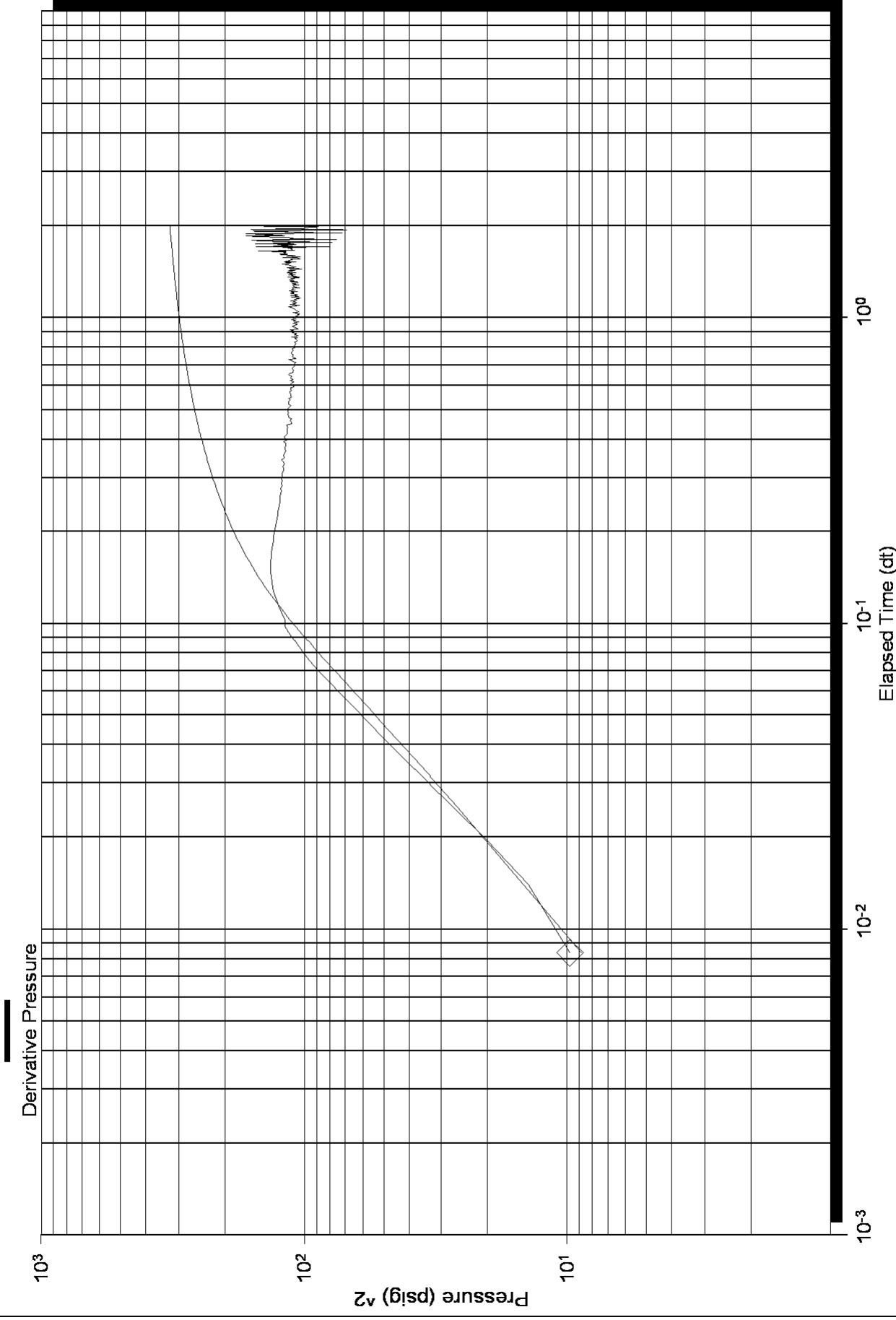
Homer Plot

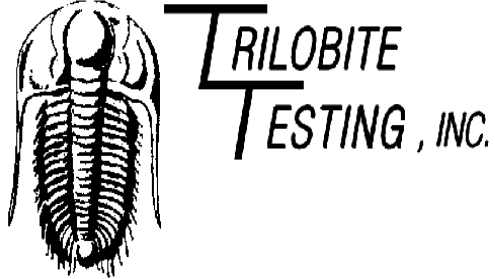


Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Log-Derivative





DRILL STEM TEST REPORT

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

1515 Wynkoop, Ste.700
Denver Co. 80202

ATTN: Clayton Camozzi

36-15s-16 Ellis

Boxberger 4-36

Start Date: 2011.06.18 @ 00:33:05

End Date: 2011.06.18 @ 08:41:20

Job Ticket #: 042644 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

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042644

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.06.18 @ 00:33:05

GENERAL INFORMATION:

Formation: **LKC"D,F & upp G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:11:30

Time Test Ended: 08:41:20

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3250.00 ft (KB) To 3298.00 ft (KB) (TVD)

Reference Elevations: 1935.00 ft (KB)

Total Depth: 3298.00 ft (KB) (TVD)

1927.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press @RunDepth: 114.66 psig @ 3253.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.18

End Date:

2011.06.18

Last Calib.:

2011.06.18

Start Time:

00:33:05

End Time:

08:41:20

Time On Btm:

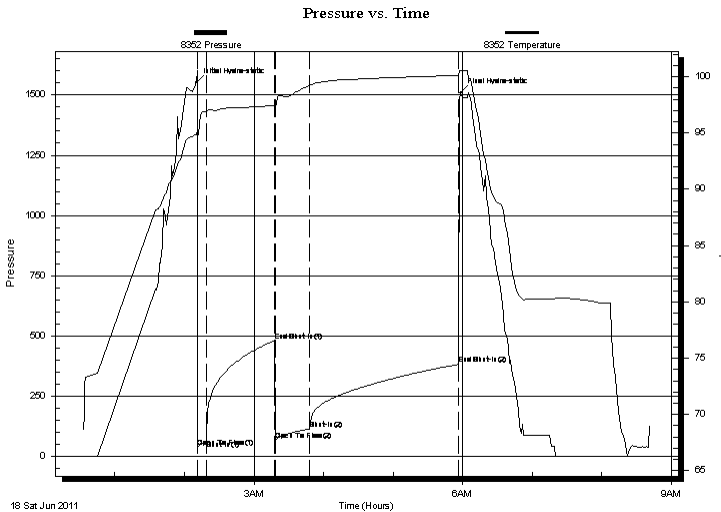
2011.06.18 @ 02:10:40

Time Off Btm:

2011.06.18 @ 05:58:09

TEST COMMENT: IF:(5min) Strong 8 inch blow
IS:(60min) Return surface Blow , Final 25 min
FF:(30min) BOB, 4 min.
FS:(120min) Return Surface Blow Throughout;

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.60	94.97	Initial Hydro-static
1	37.56	94.67	Open To Flow (1)
9	68.93	96.92	Shut-In(1)
68	480.11	97.46	End Shut-In(1)
68	66.41	97.28	Open To Flow (2)
97	114.66	99.21	Shut-In(2)
226	382.79	100.11	End Shut-In(2)
228	1509.05	100.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	GOCMW g=5% o=5% m=40% w =50%	0.77
65.00	GOCWM g=10% o=5% w =10% m=75%	0.91
65.00	GOCWM g=20% o=5% w =5% m=70%	0.91
0.00	GIP=95ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042644

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.06.18 @ 00:33:05

Tool Information

Drill Pipe:	Length: 3190.00 ft	Diameter: 3.80 inches	Volume: 44.75 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: 44.90 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3250.00 ft			Final	47500.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	85.00 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	3213.00	
Change Over Sub	1.00			3214.00	
Blank Spacing	5.00			3219.00	
Shut In Tool	5.00			3224.00	
Sampler	4.00			3228.00	
Hydraulic tool	5.00			3233.00	
Jars	5.00			3238.00	
Safety Joint	3.00			3241.00	
Packer	5.00			3246.00	37.00 Bottom Of Top Packer
Packer	4.00			3250.00	
Stubb	1.00			3251.00	
Perforations	1.00			3252.00	
Change Over Sub	1.00			3253.00	
Recorder	0.00	8017	Inside	3253.00	
Recorder	0.00	8352	Outside	3253.00	
Drill Pipe	31.00			3284.00	
Change Over Sub	1.00			3285.00	
Perforations	10.00			3295.00	
Bullnose	3.00			3298.00	48.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042644

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.06.18 @ 00:33:05

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:

65000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
75.00	GOCMW g=5% o=5% m=40% w =50%	0.770
65.00	GOCWM g=10% o=5% w =10% m=75%	0.912
65.00	GOCWM g=20% o=5% w =5% m=70%	0.912
0.00	GIP=95ft	0.000

Total Length: 205.00 ft Total Volume: 2.594 bbl

Num Fluid Samples: 0

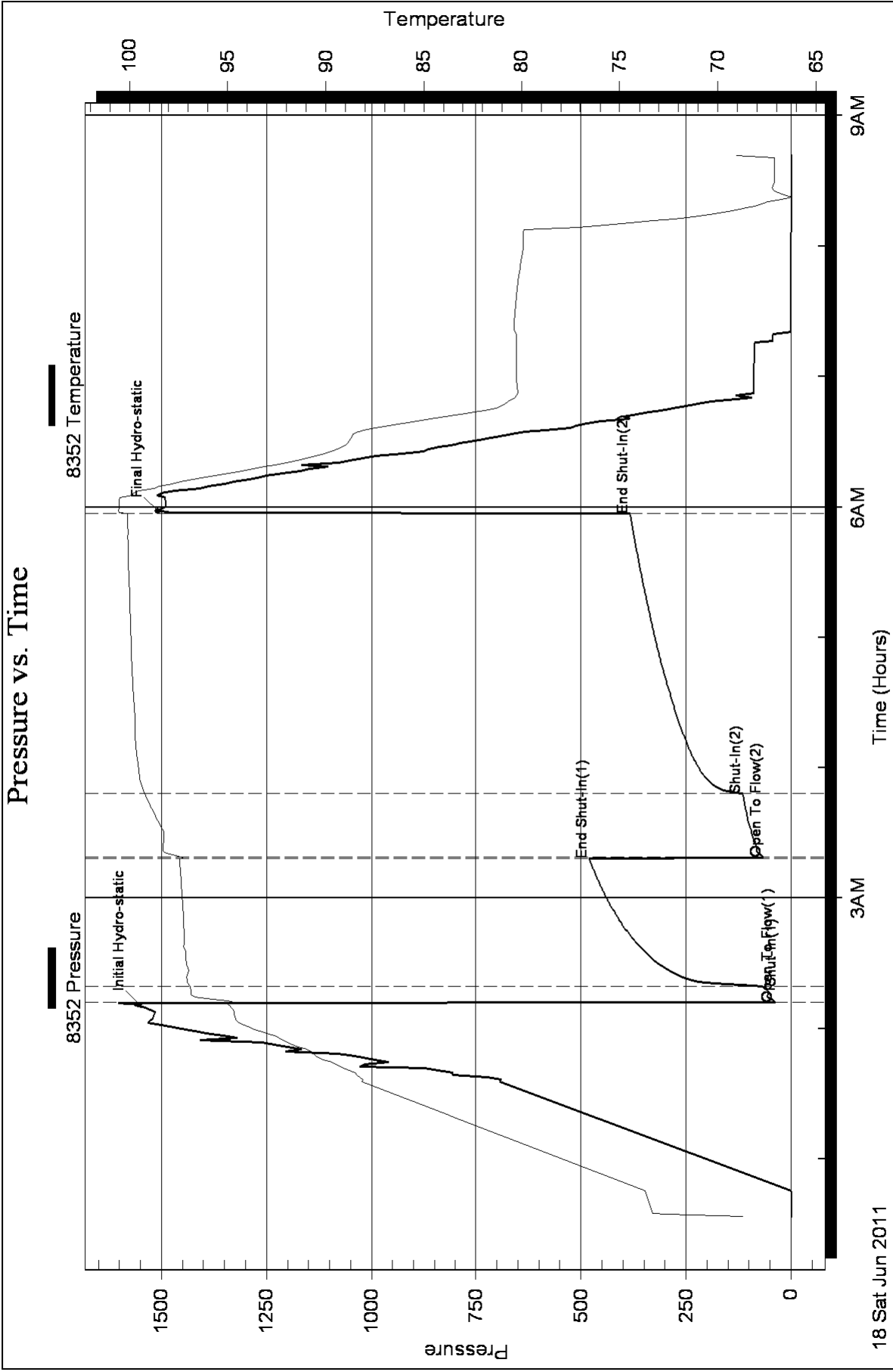
Num Gas Bombs: 0

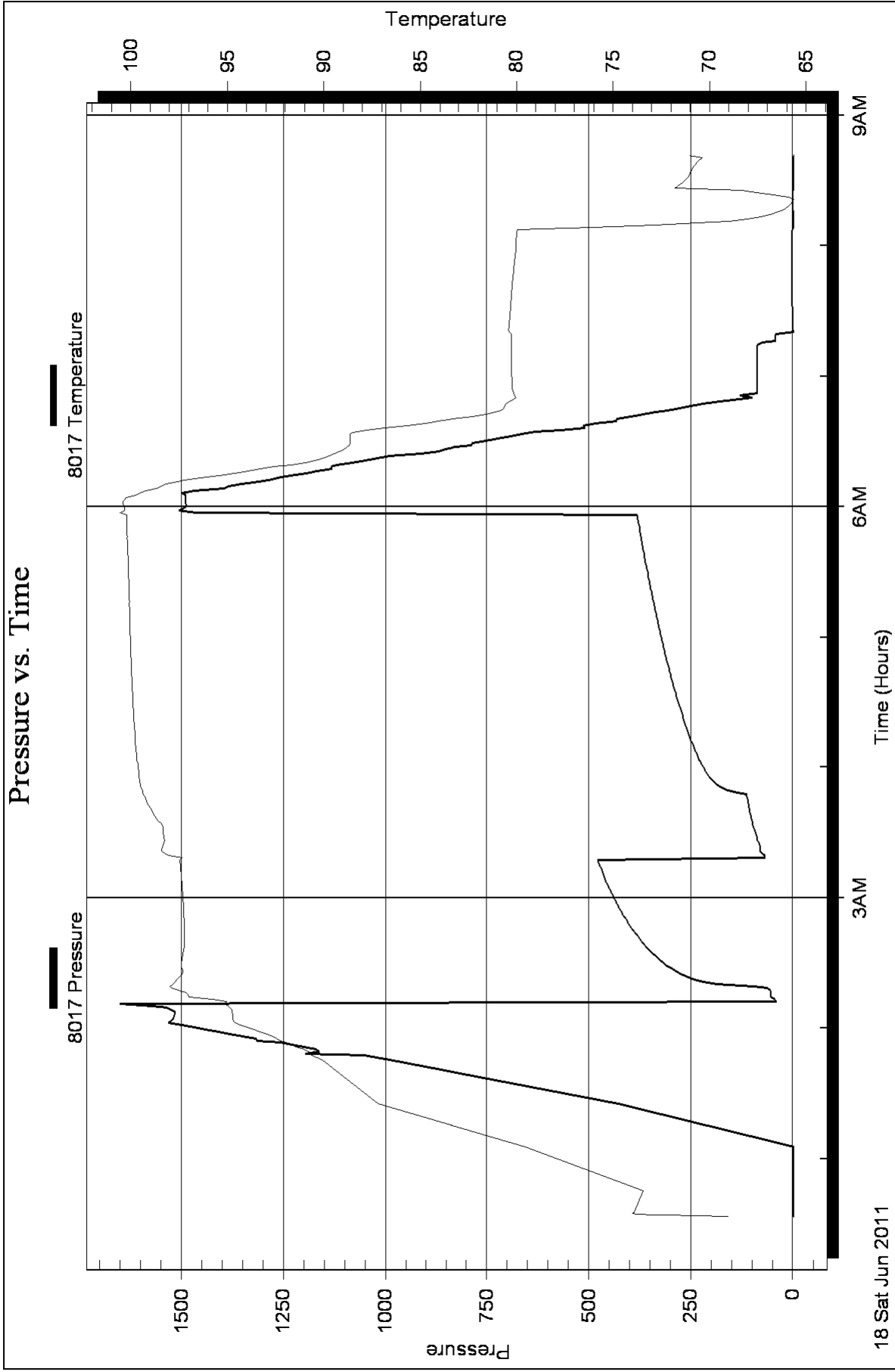
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data-g=1/4cf o=200ml w =1400ml pressure=200lbs





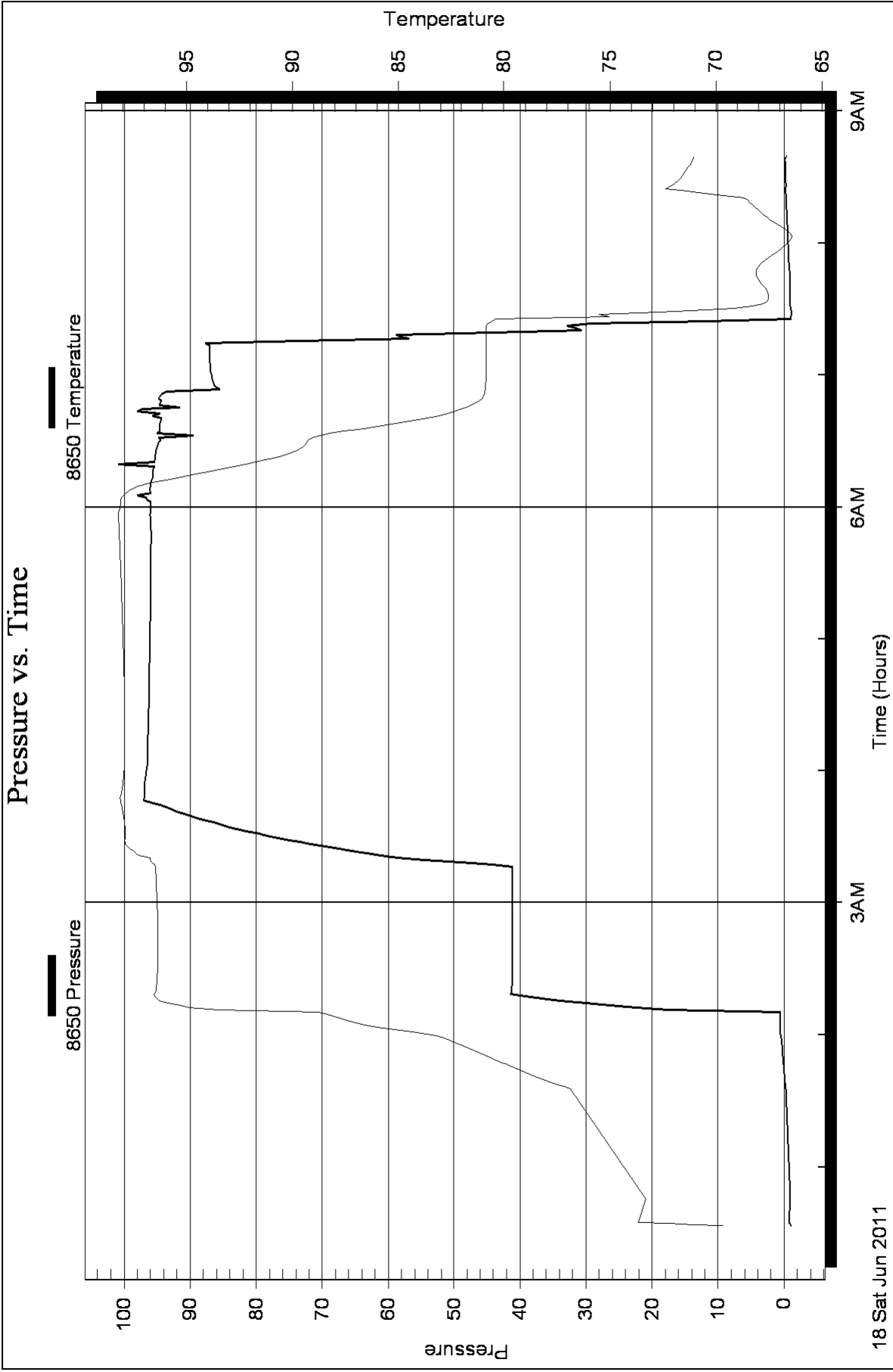
Serial #: 8650

Fluid

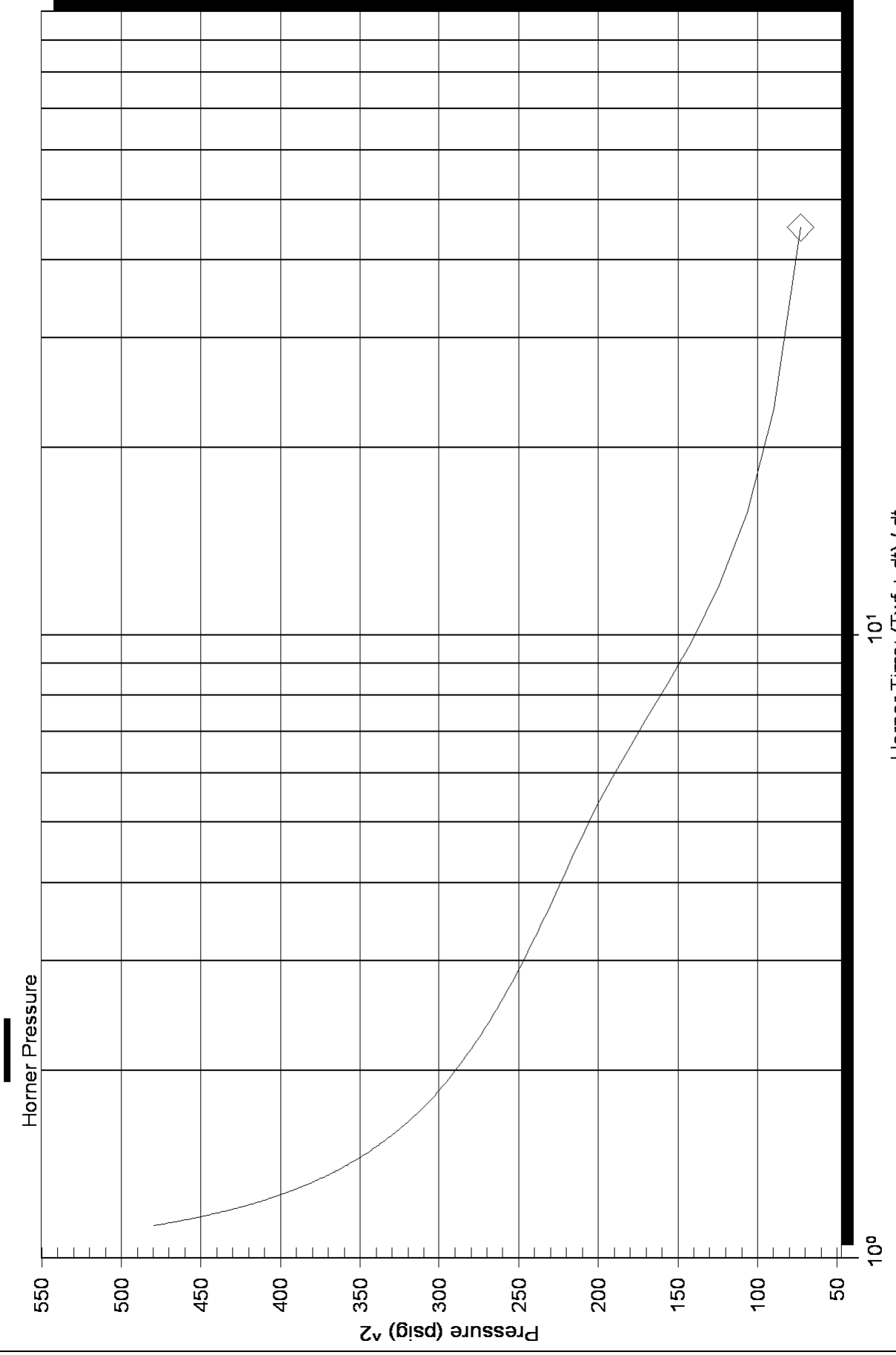
S.Gary Jr&Assoc.inc.

36-15s-16 Ellis

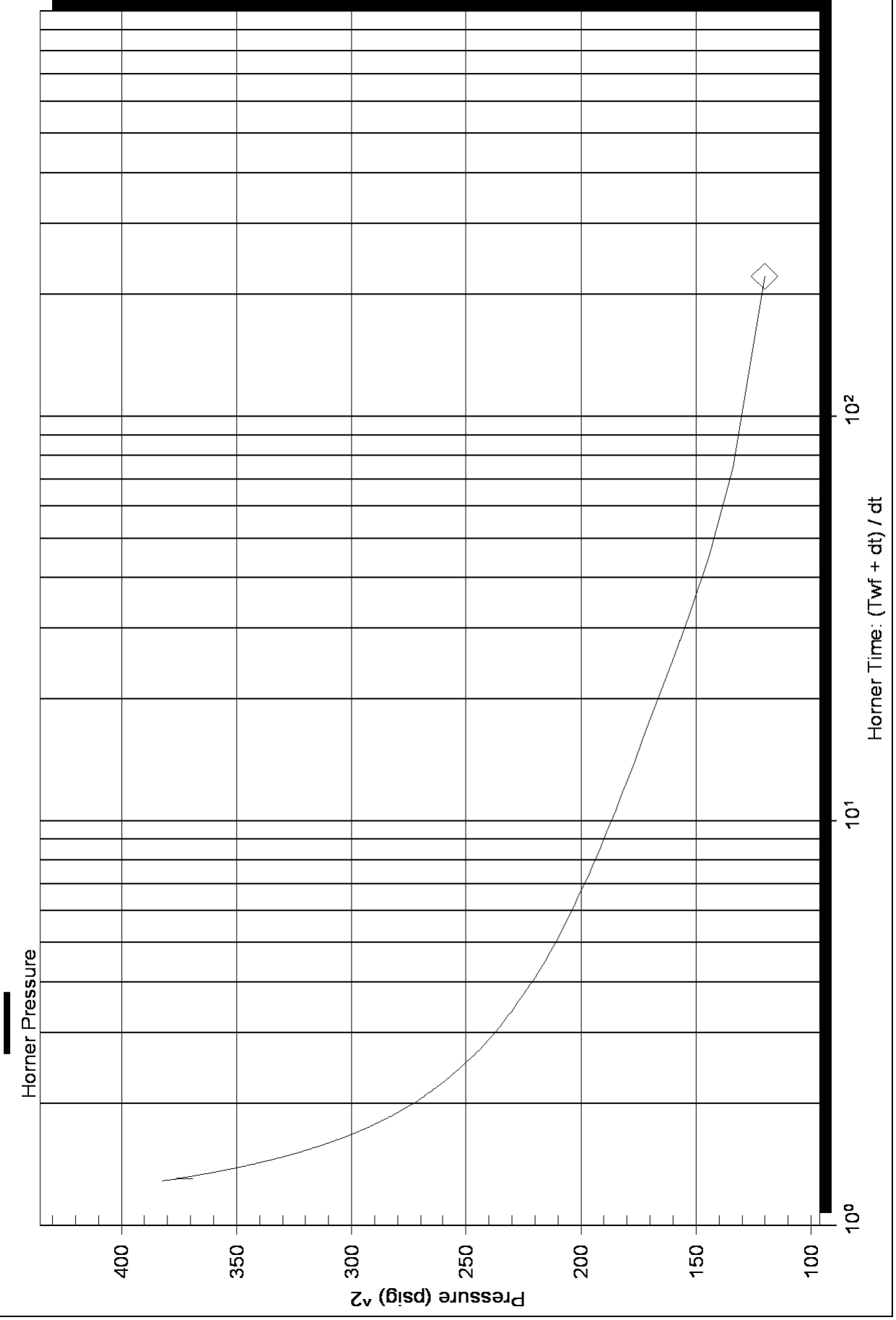
DST Test Number: 2



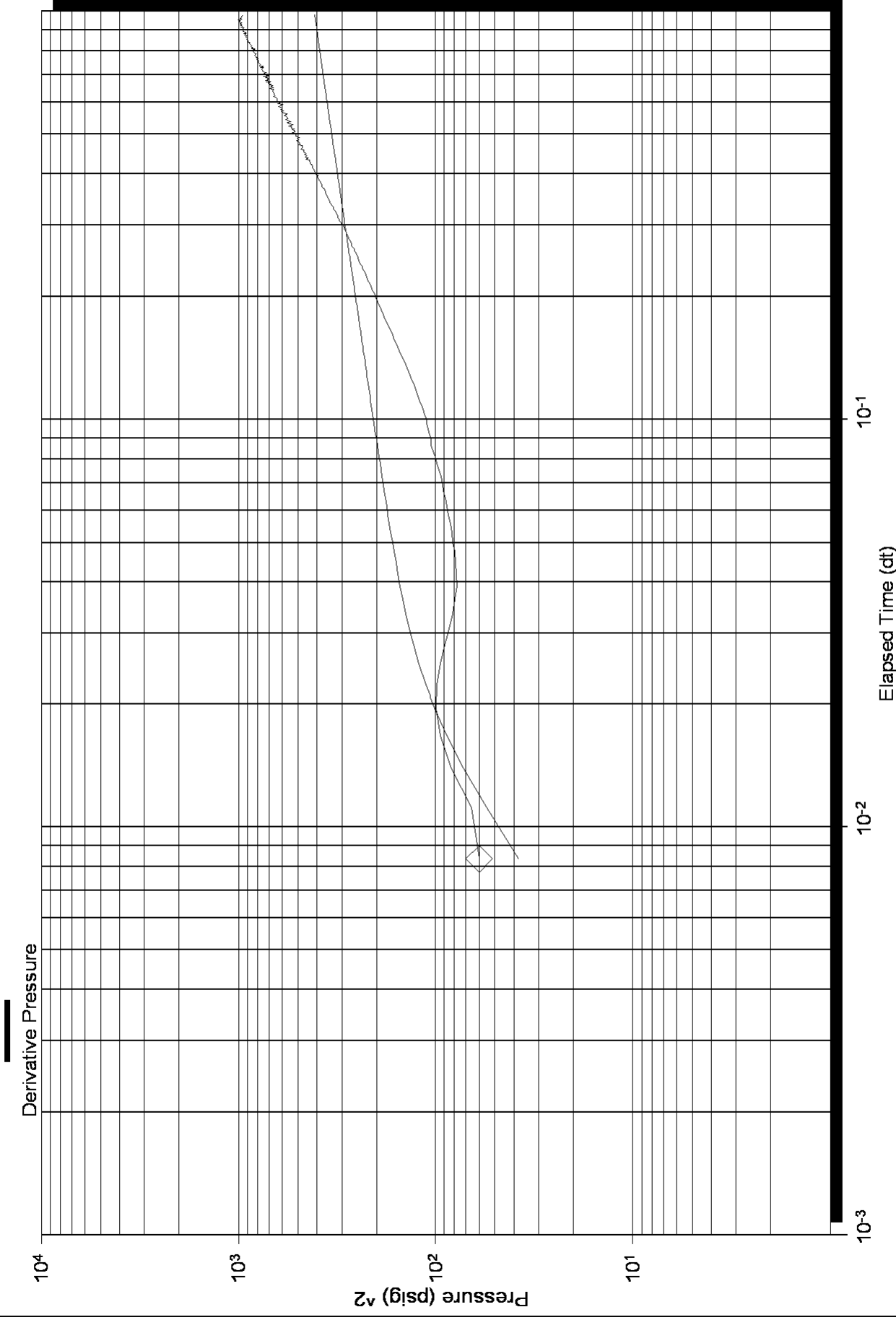
Homer Plot



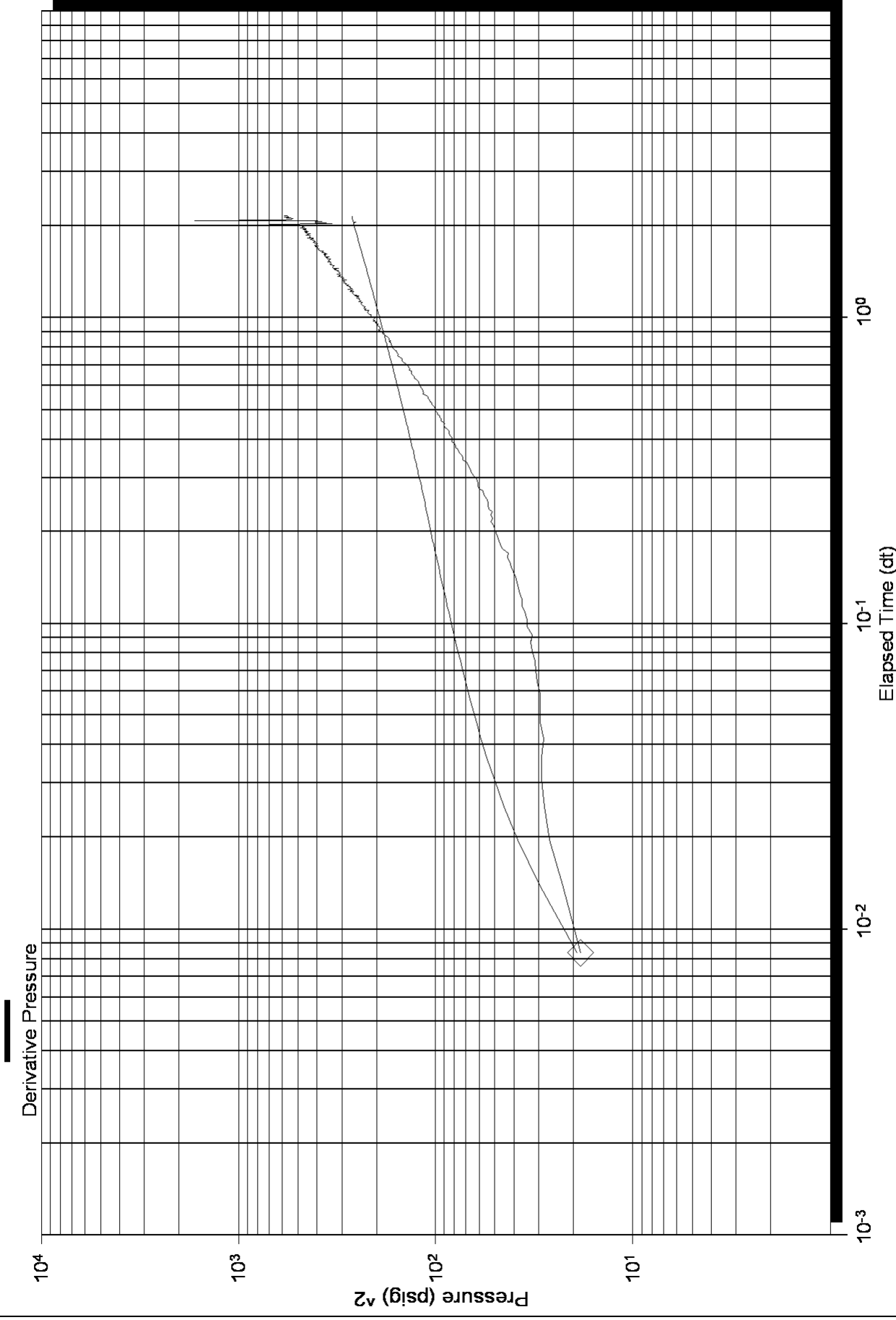
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

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

1515 Wynkoop, Ste.700
Denver Co. 80202

ATTN: Clayton Camozzi

36-15s-16 Ellis

Boxberger 4-36

Start Date: 2011.06.18 @ 19:27:05

End Date: 2011.06.19 @ 02:11:50

Job Ticket #: 042645 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

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042645

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2011.06.18 @ 19:27:05

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:07:30

Time Test Ended: 02:11:50

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3360.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 1935.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1927.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press @ RunDepth: 42.94 psig @ 3367.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.18

End Date:

2011.06.19

Last Calib.:

2011.06.19

Start Time:

19:27:05

End Time:

02:11:50

Time On Btm:

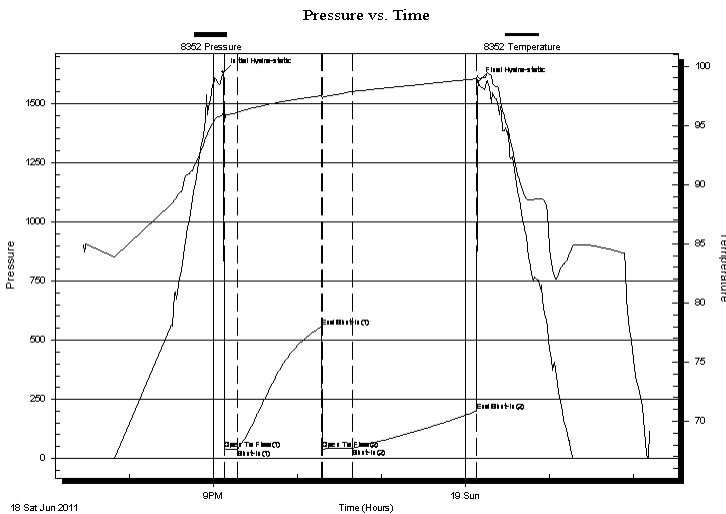
2011.06.18 @ 21:06:40

Time Off Btm:

2011.06.19 @ 00:08:59

TEST COMMENT: IF:(10min) Weak, Surface Blow
IS:(60min) No Return
FF:(20min) No Blow
FS:(90min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.29	96.06	Initial Hydro-static
1	37.21	95.34	Open To Flow (1)
11	38.82	96.12	Shut-In(1)
71	557.28	97.51	End Shut-In(1)
71	40.42	97.27	Open To Flow (2)
93	42.94	97.87	Shut-In(2)
182	200.93	98.94	End Shut-In(2)
183	1593.83	99.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w / slight oil specks in tool	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042645

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2011.06.18 @ 19:27:05

Tool Information

Drill Pipe:	Length: 3302.00 ft	Diameter: 3.80 inches	Volume: 46.32 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: 50000.00 lb
			<u>Total Volume: 46.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3360.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	107.00 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	3323.00	
Change Over Sub	1.00			3324.00	
Blank Spacing	5.00			3329.00	
Shut In Tool	5.00			3334.00	
Sampler	4.00			3338.00	
Hydraulic tool	5.00			3343.00	
Jars	5.00			3348.00	
Safety Joint	3.00			3351.00	
Packer	5.00			3356.00	37.00 Bottom Of Top Packer
Packer	4.00			3360.00	
Stubb	1.00			3361.00	
Perforations	5.00			3366.00	
Change Over Sub	1.00			3367.00	
Recorder	0.00	8017	Inside	3367.00	
Recorder	0.00	8352	Outside	3367.00	
Drill Pipe	31.00			3398.00	
Change Over Sub	1.00			3399.00	
Perforations	28.00			3427.00	
Bullnose	3.00			3430.00	70.00 Bottom Packers & Anchor

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

S.Gary Jr&Assoc.inc.

Boxberger 4-36

1515 Wynkoop, Ste.700
Denver Co. 80202

36-15s-16 Ellis

Job Ticket: 042645

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2011.06.18 @ 19:27:05

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w / slight oil specks in tool	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

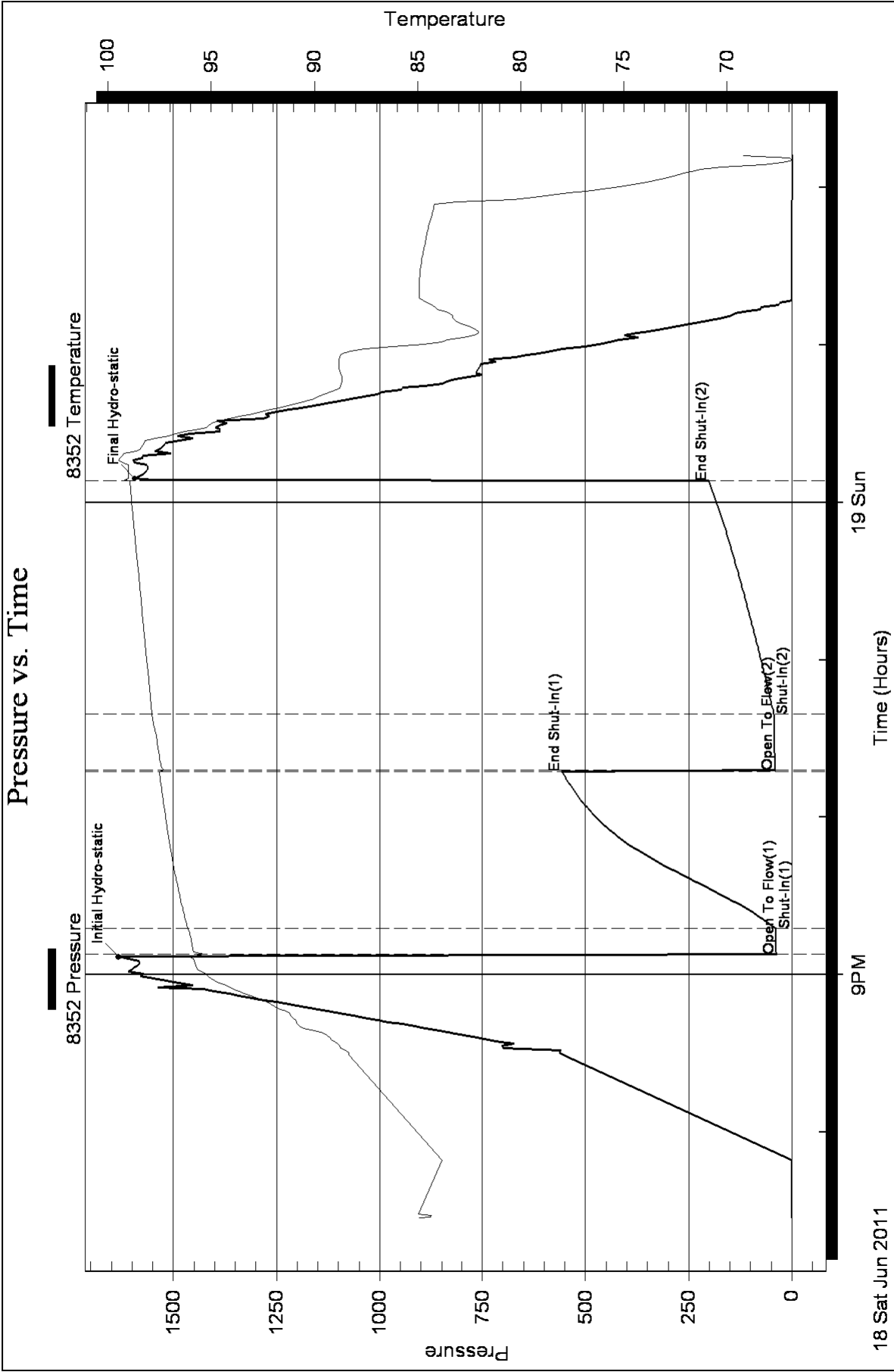
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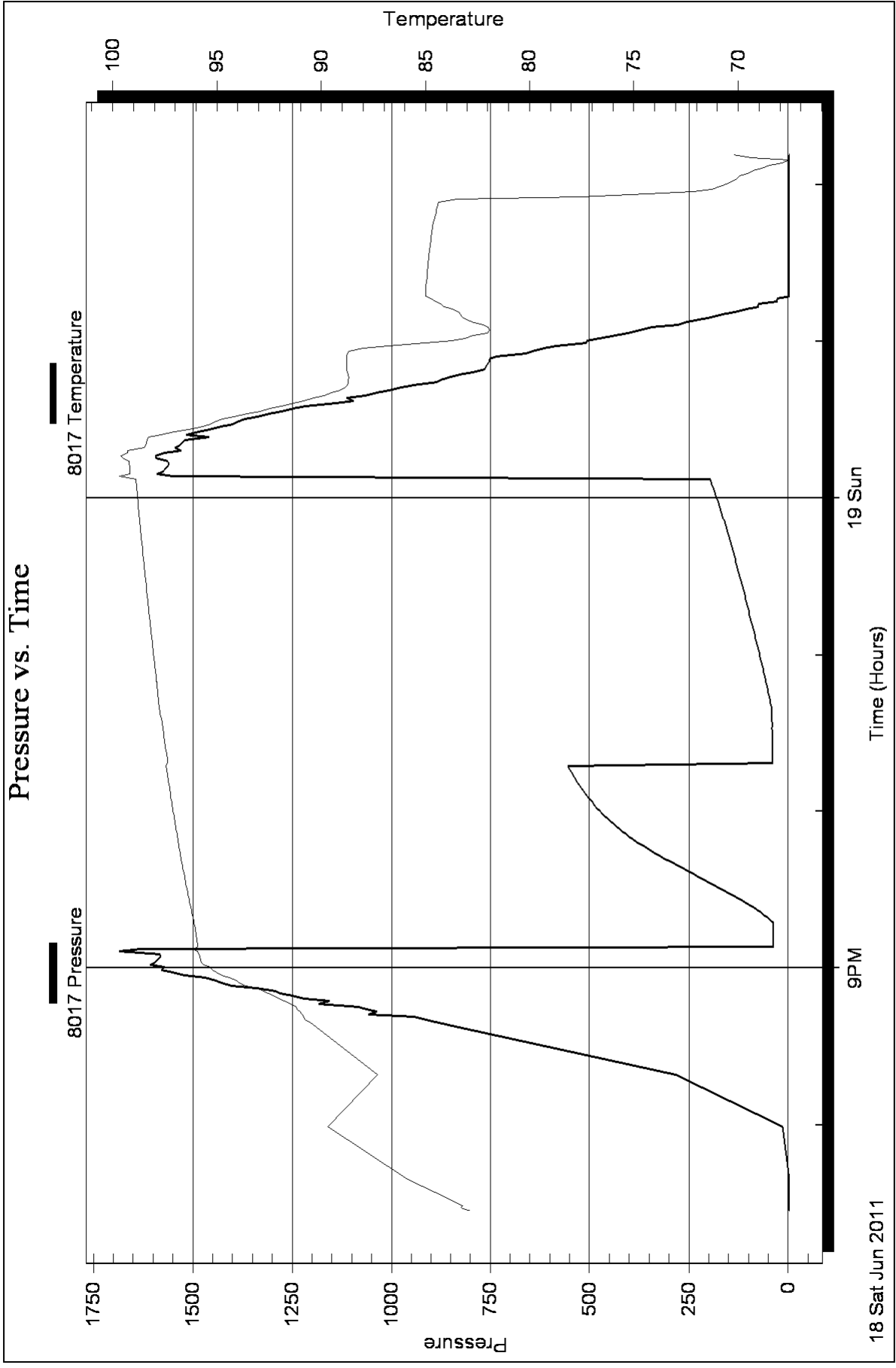
Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- mud=1500ml pressure=65lbs

Pressure vs. Time





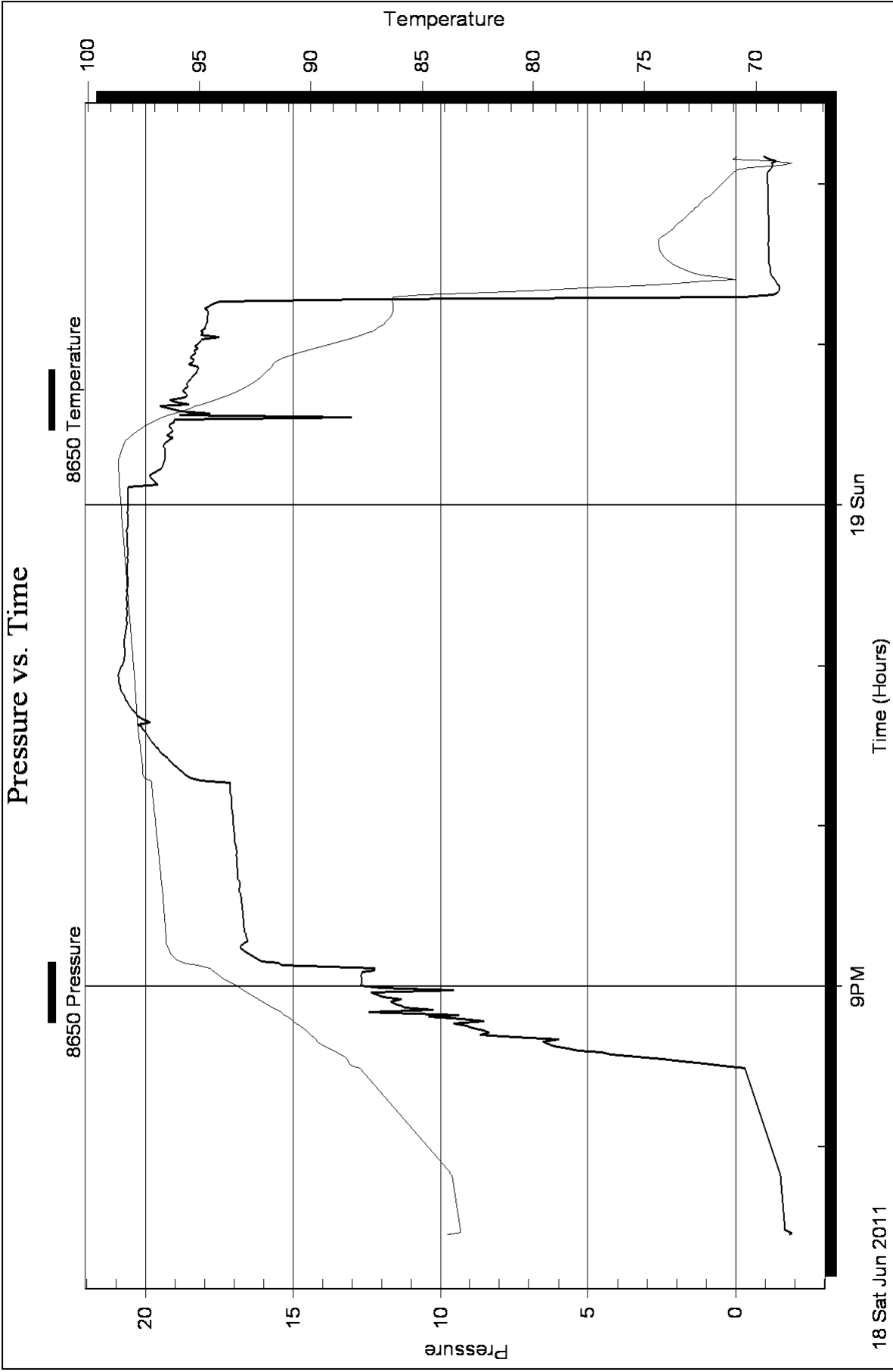
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Fluid

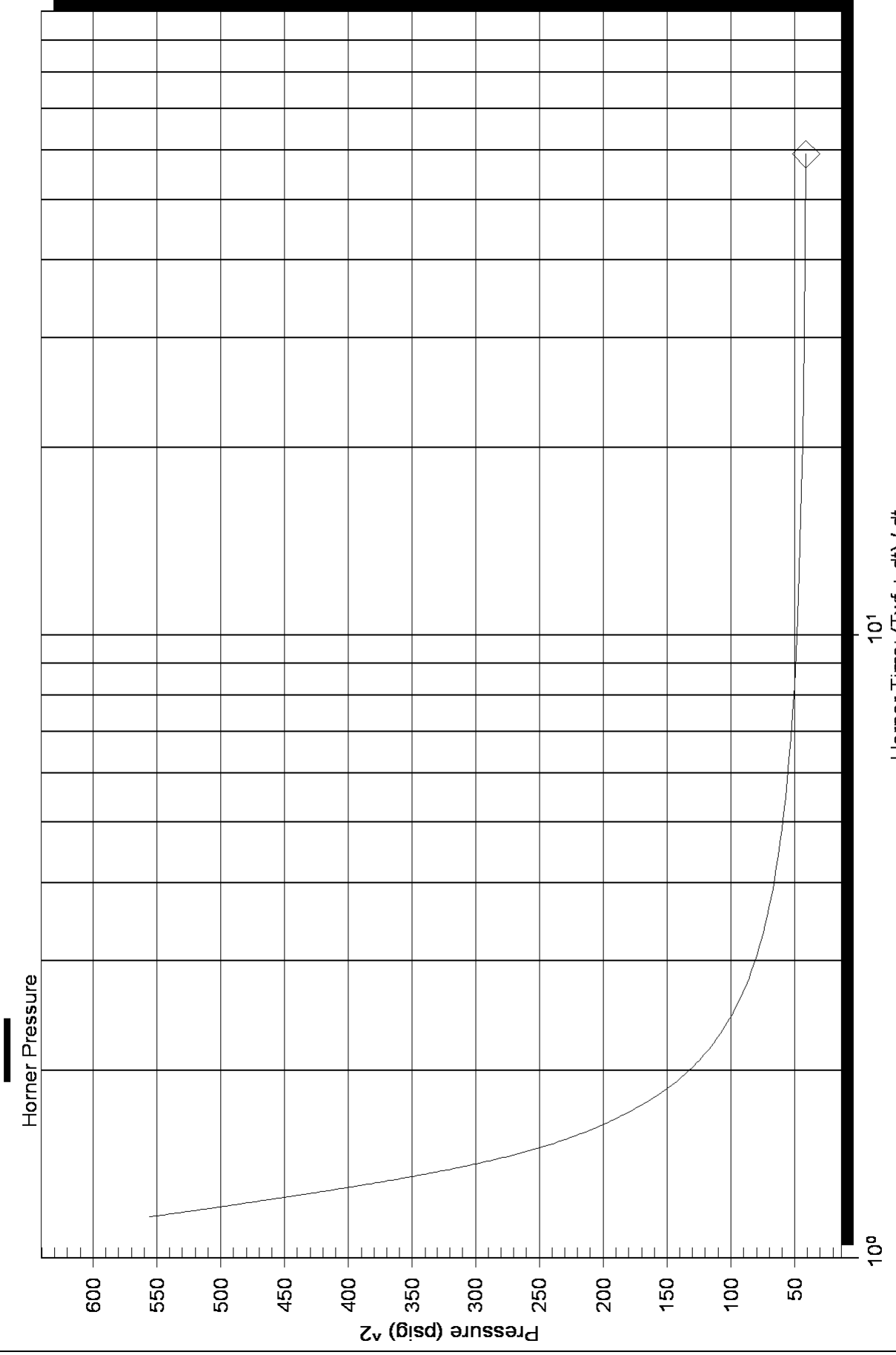
S.Gary Jr&Assoc.inc.

36-15s-16 Ellis

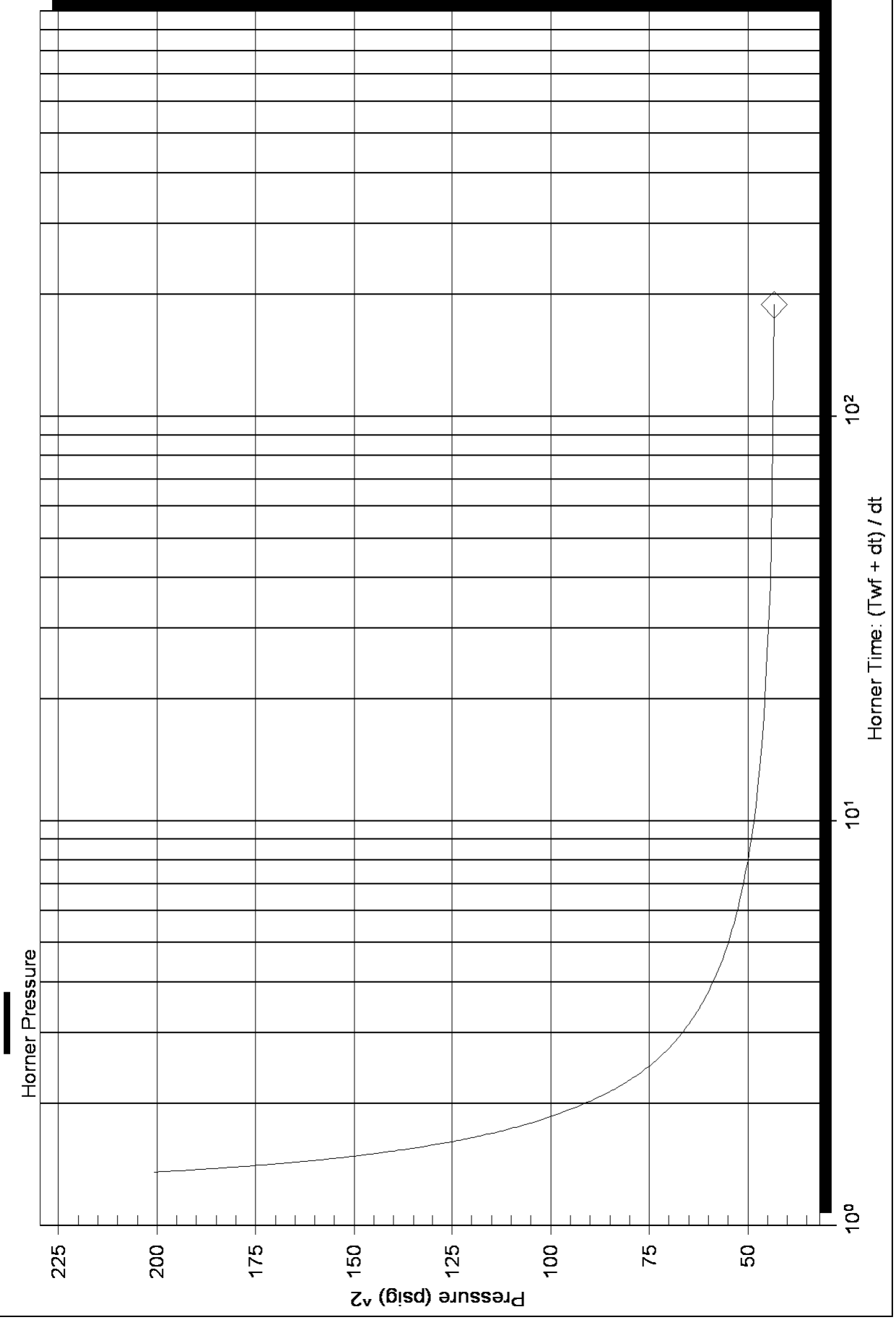
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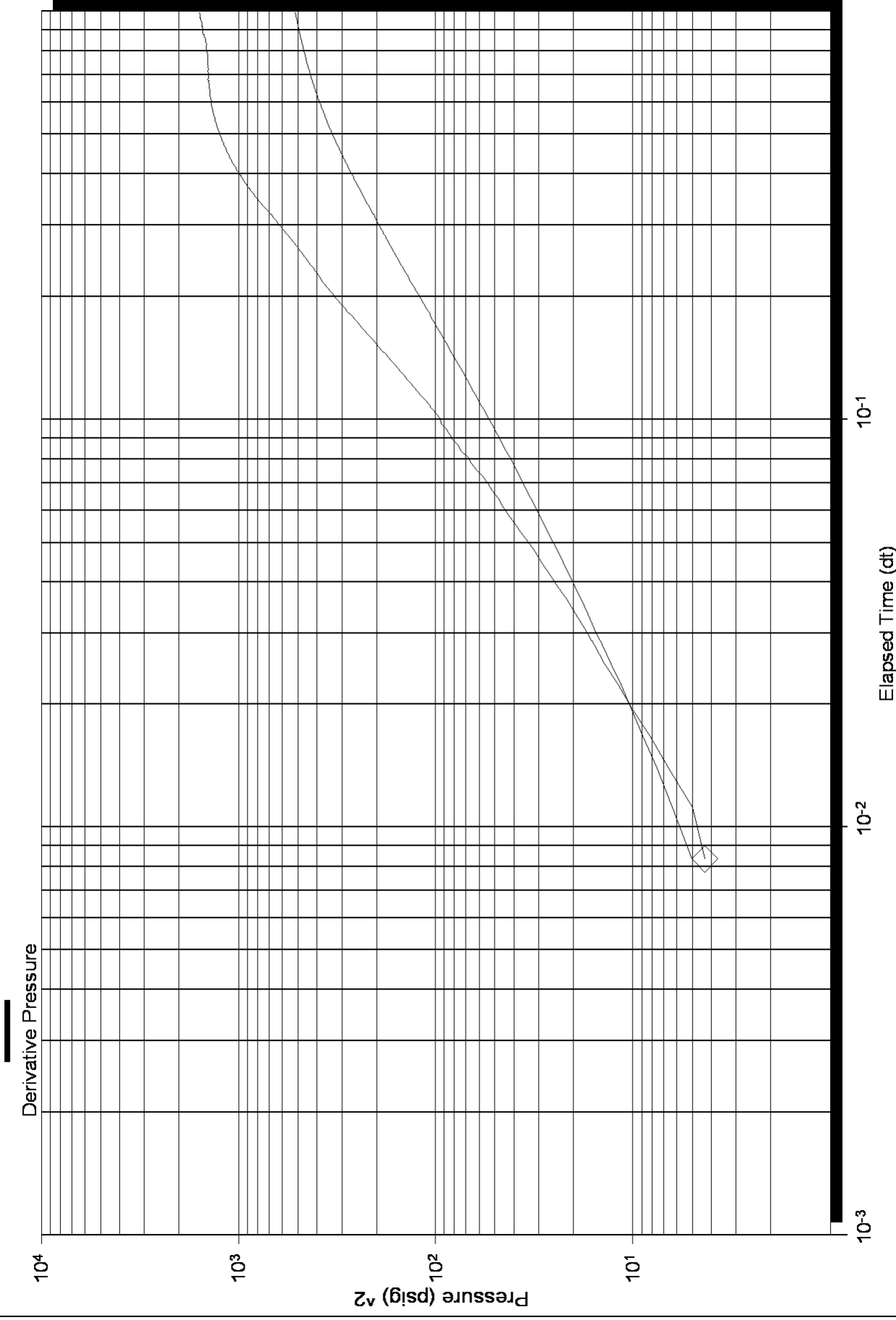
Homer Plot



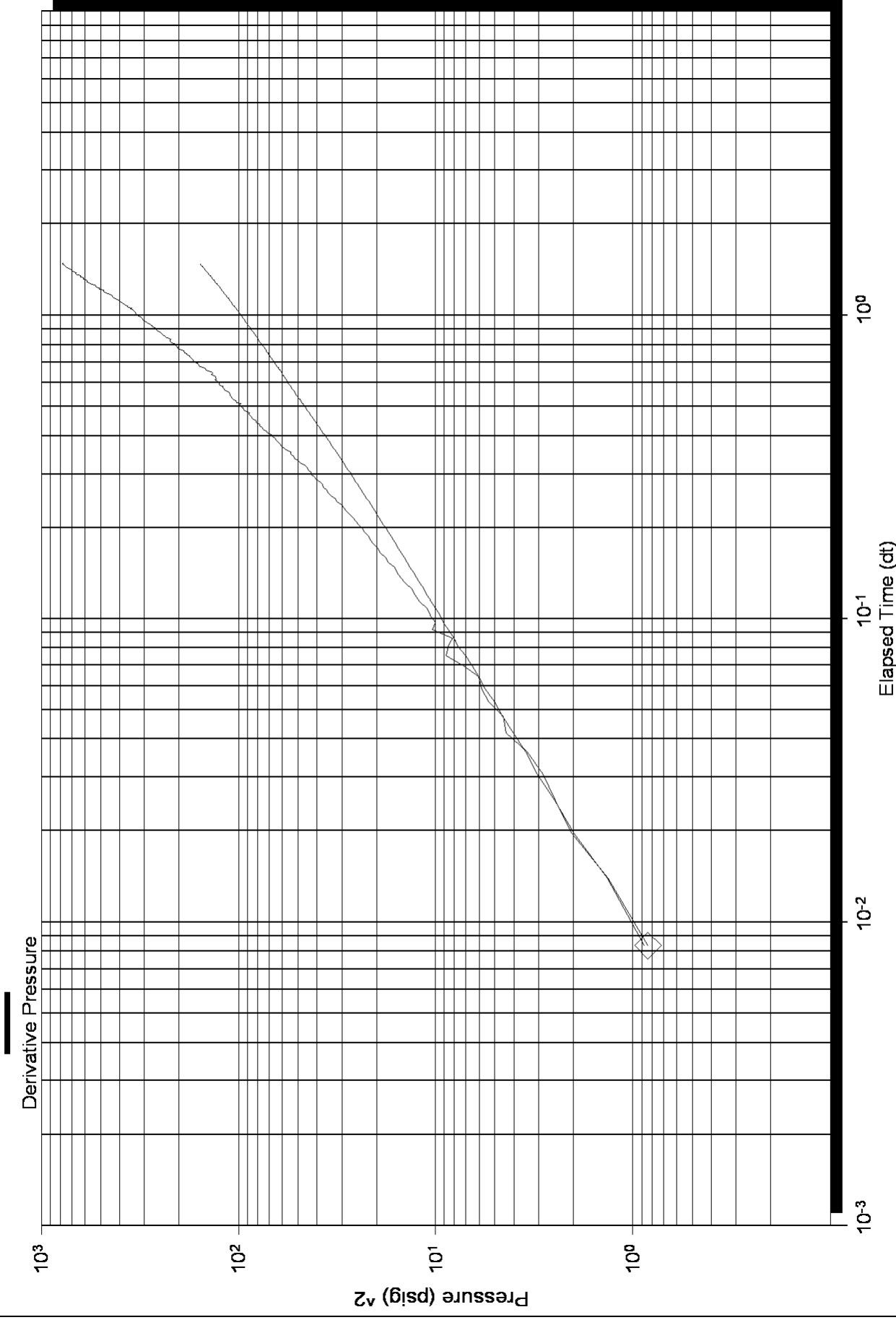
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Log-Derivative





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

Well Name: BOXBERGER 4-36
Location: Sec 36 15s 16w, RUSH county, kansas
License Number: 15-051-26101-0000
Spud Date:
Surface Coordinates: 1514' FSL / 1148' FEL
Region: WILDCAT
Drilling Completed: 06/19/2011

Bottom Hole Coordinates:

Ground Elevation (ft): 1927' K.B. Elevation (ft): 1935'
Logged Interval (ft): 1800' To: 3630' Total Depth (ft): 3630'
Formation: KC , ARBUCKLE
Type of Drilling Fluid:

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

OPERATOR

Company: Sam Gary Jr. & Assoc
Address: 1515 Wynkoop, # 700
Denver, Co. 80202
Geo: Clayton Camozzi

GEOLOGIST

Name: JASON MARSHALL
Company: EARTH TECH OGL, Inc.
Address: PO Box 683
102 W. Main Hooker, Okla. 73945
888-543-8378 CELL: 620-655-1298

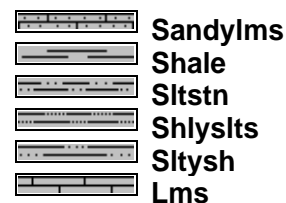
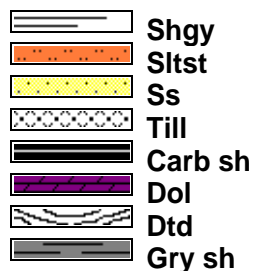
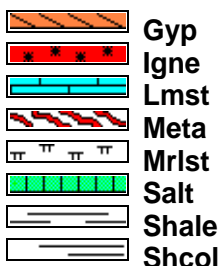
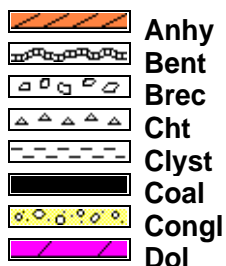
DSTs

DST #1, 3177'-3241', 10,60,30,120
IFP-FAIR, 8" BLOW, ISI-NO RETURN, FF-BOB IN 24MIN, FSI-NO RETURN, IH-1507, FH-1502, FIF-31, FFF-47,
SIF-43, SFF-70, ISI-408, FSI-395, TOTAL REC- 110', SOSM

DST #2, 3250'-3298', 5,60,30,120
IFP-STRONG, 8" BLOW, ISI- RETURN SURFACE BLOW FINAL 25MIN, FF-BOB IN 4MIN, FSI-RETURN SURFACE
BLOW THROUGHOUT, IH-1552, FH-1509, FIF-37, FFF-68, SIF-66, SFF-114, ISI-480, FSI-382, TOTAL REC- 205',
20% GAS, 5% OIL, 5% WATER, 70% MUD, 65000 PPM

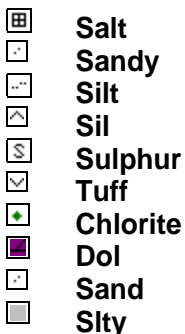
DST #3, 3360'-3430', 10,60,20,90
IFP-WEAK SUFACE BLOW, ISI-NO RETURN, FF-NO BLOW, FSI-NO RETURN, IH-1632, FH-1593, FIF-37, FFF-38,
SIF-40, SFF-42, ISI-557, FSI-200, TOTAL REC- 10', MUD W/OIL SPECKS IN TOOL

ROCK TYPES

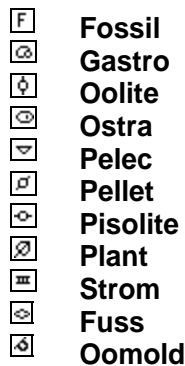
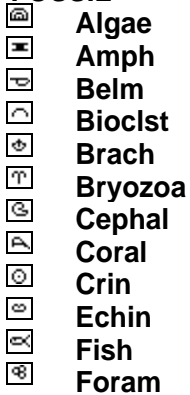


ACCESSORIES

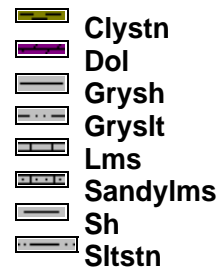
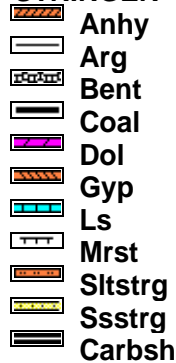
MINERAL



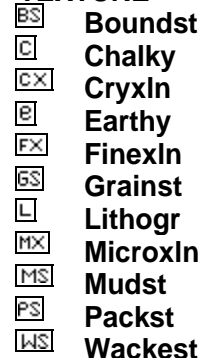
FOSSIL



STRINGER

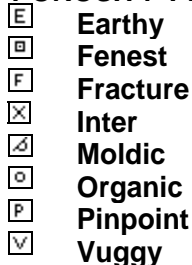


TEXTURE



OTHER SYMBOLS

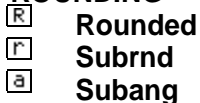
POROSITY TYPE



SORTING



ROUNDING



OIL SHOWS

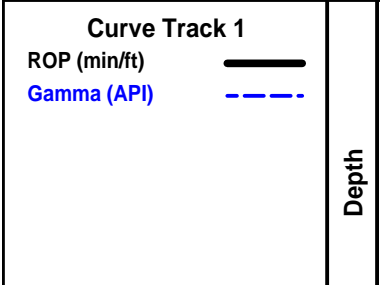


INTERVALS



EVENTS

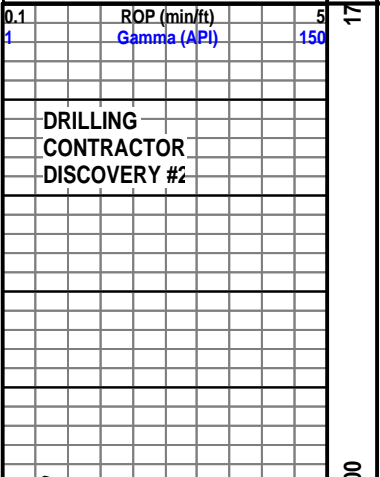
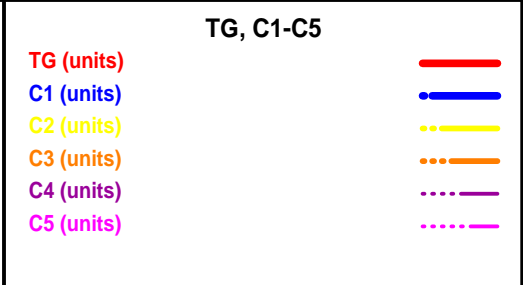




Lithology

Oil Shows

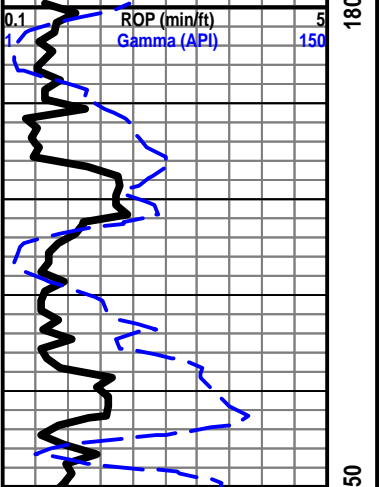
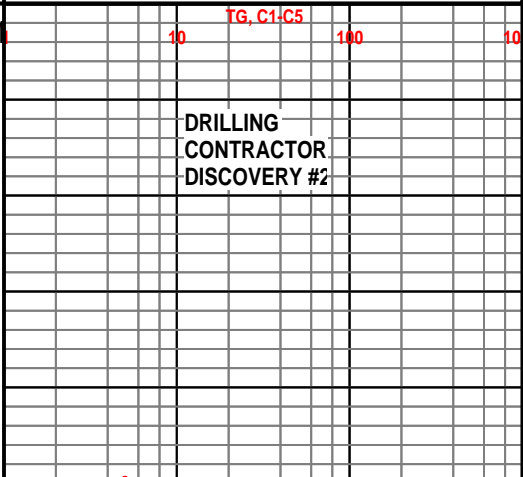
Geological Descriptions



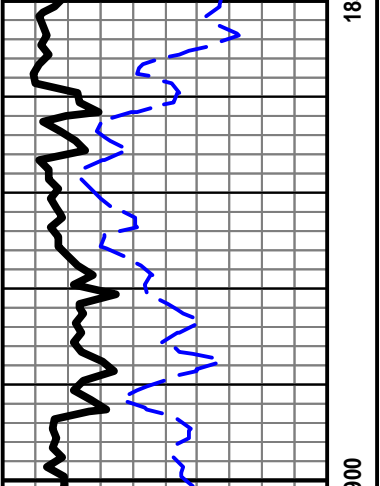
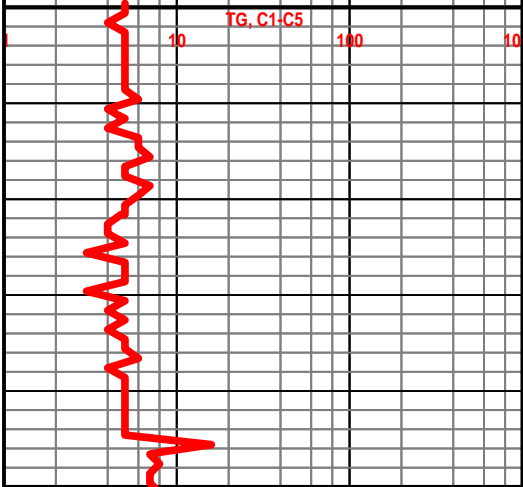
17

1800

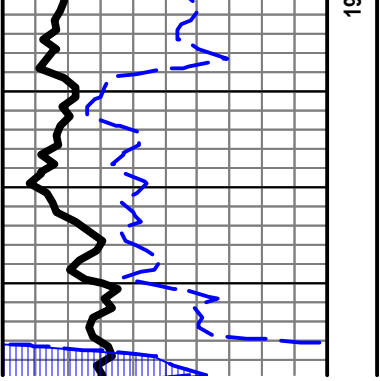
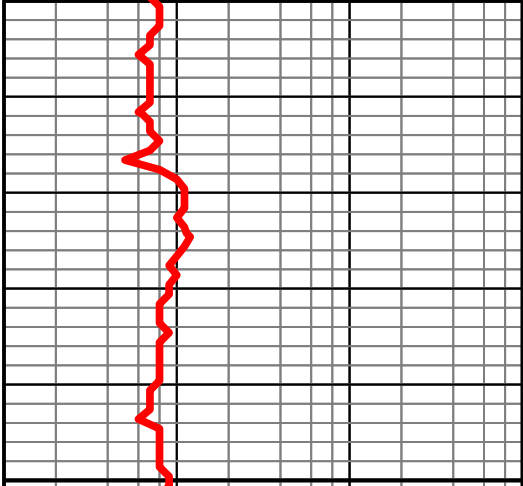
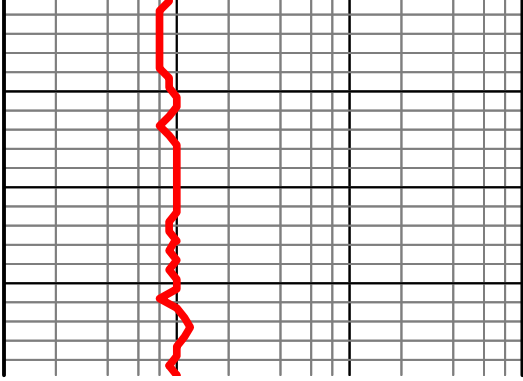
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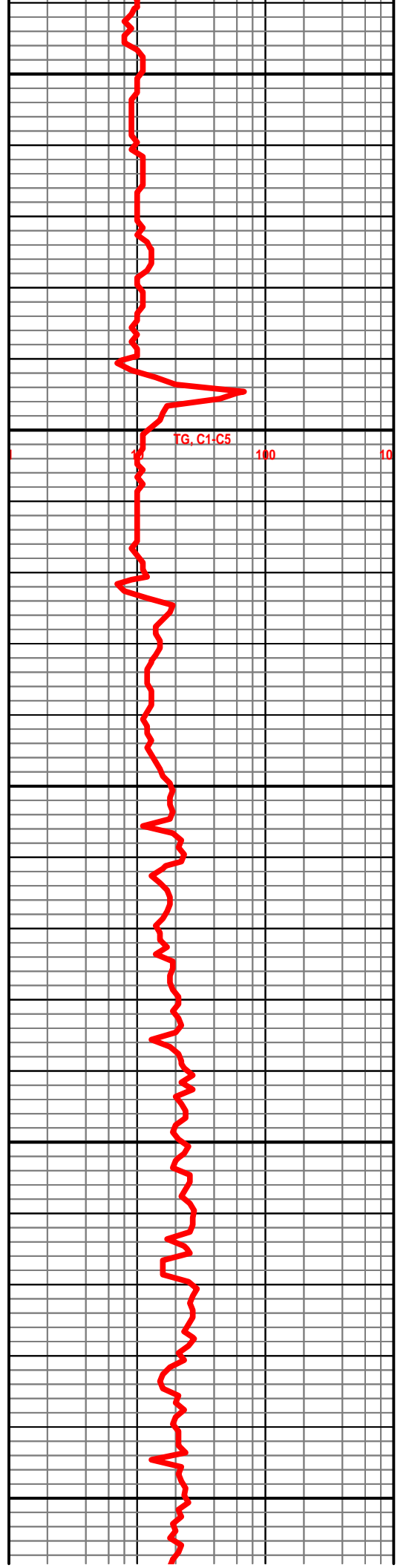
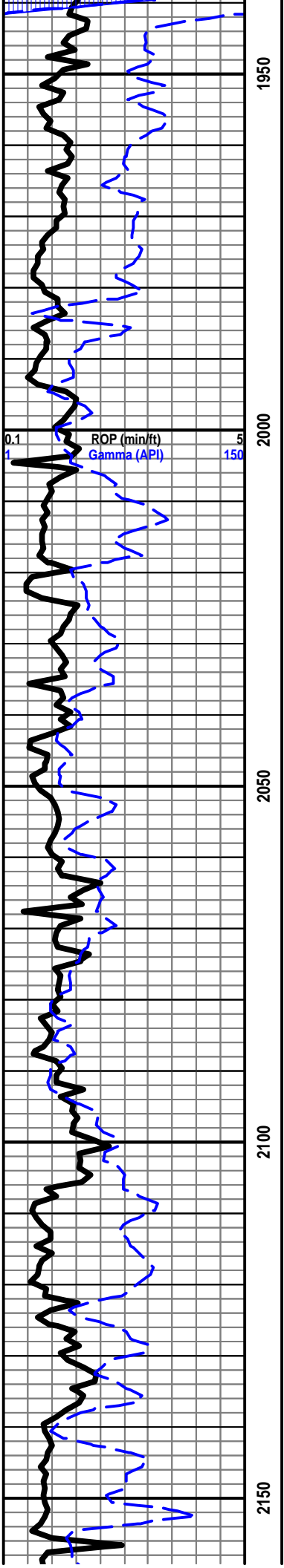


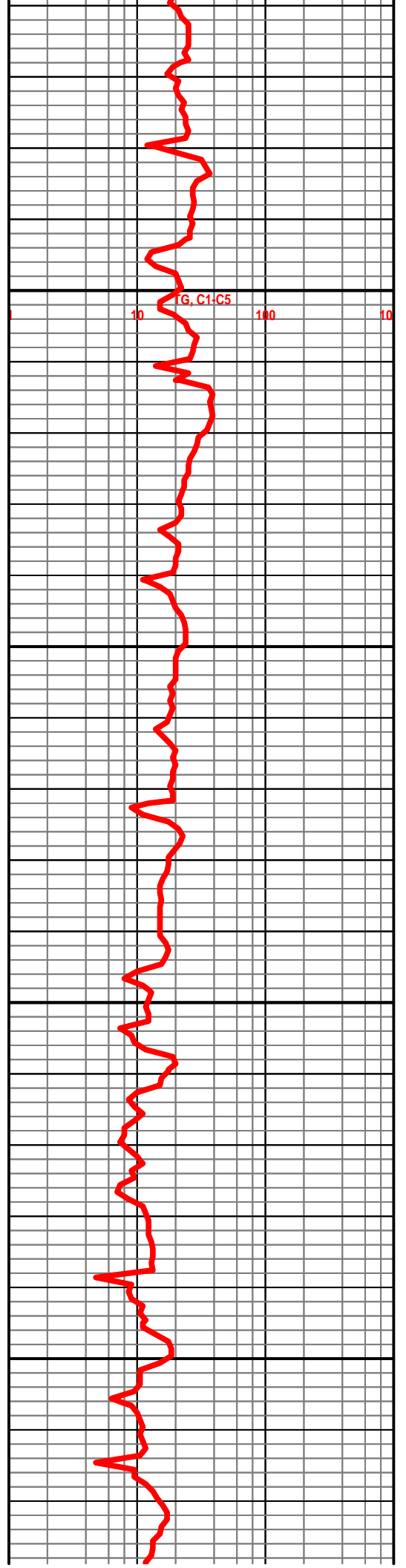
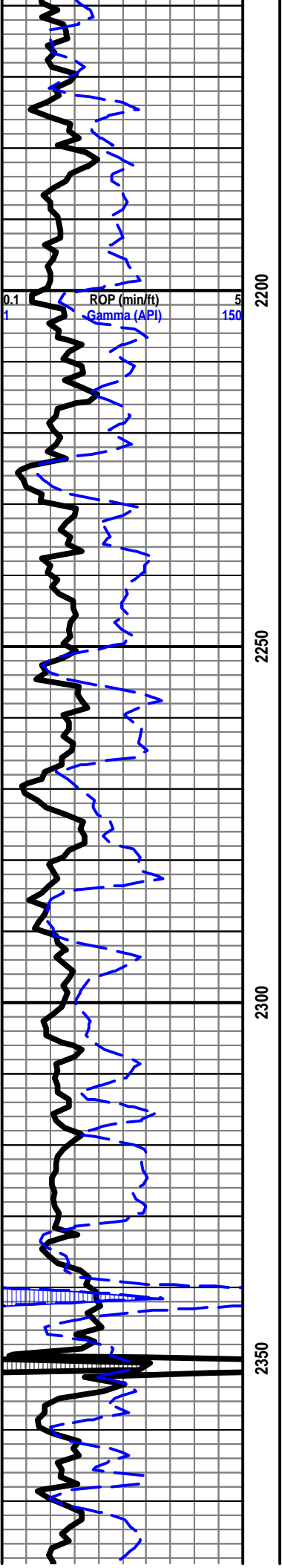
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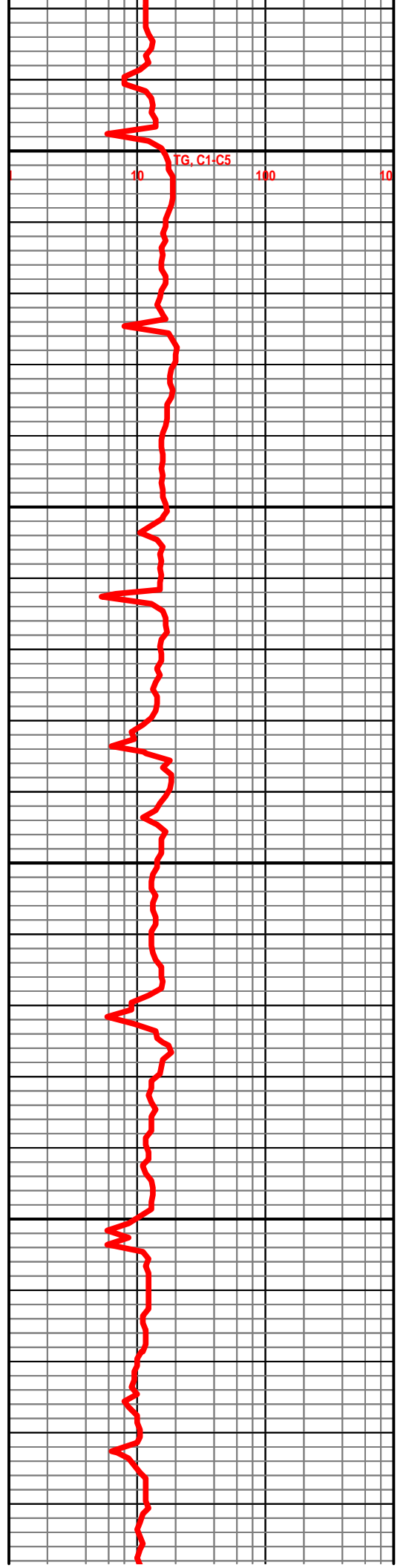
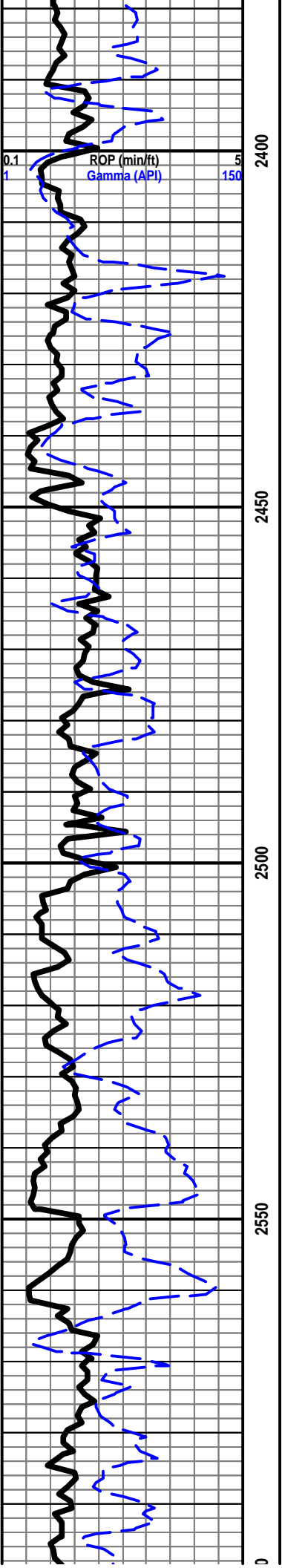


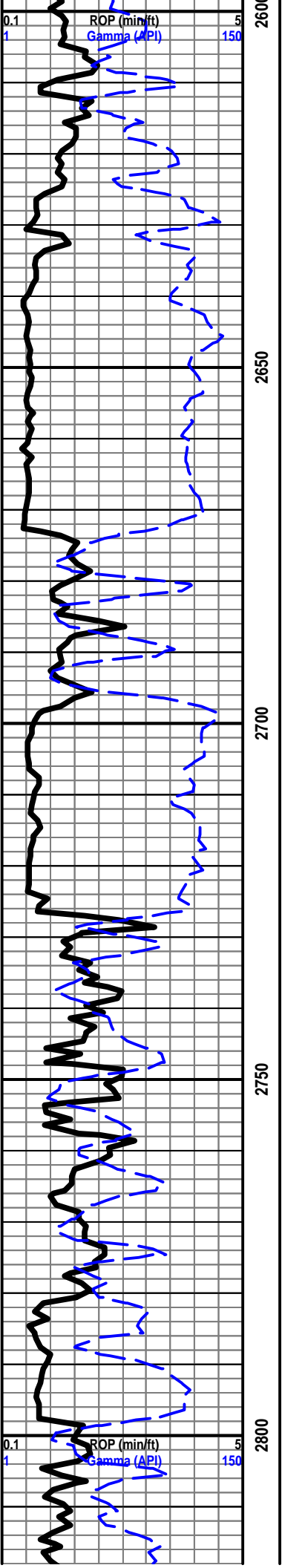
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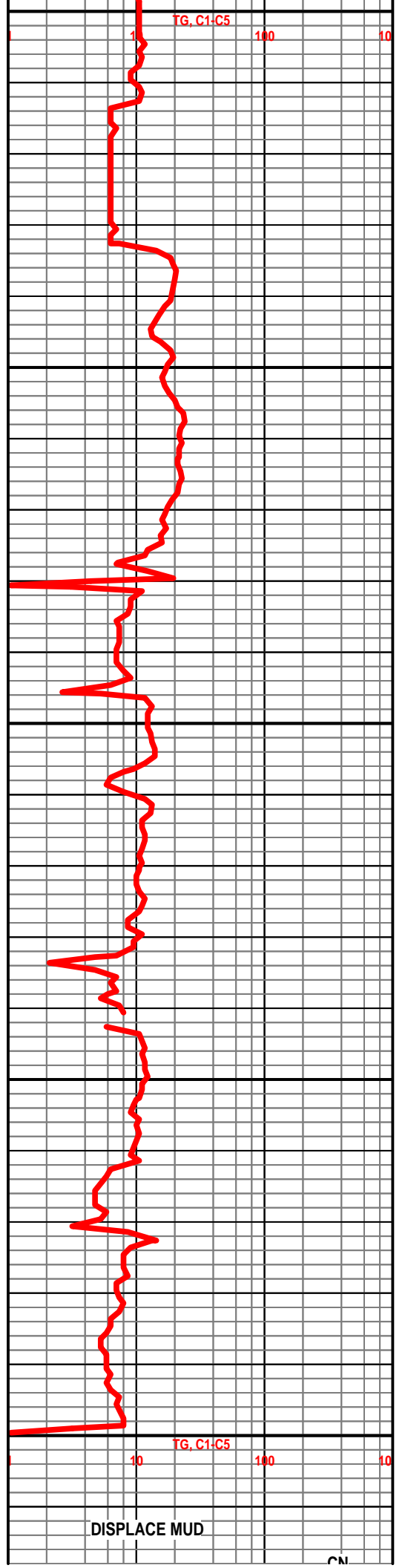




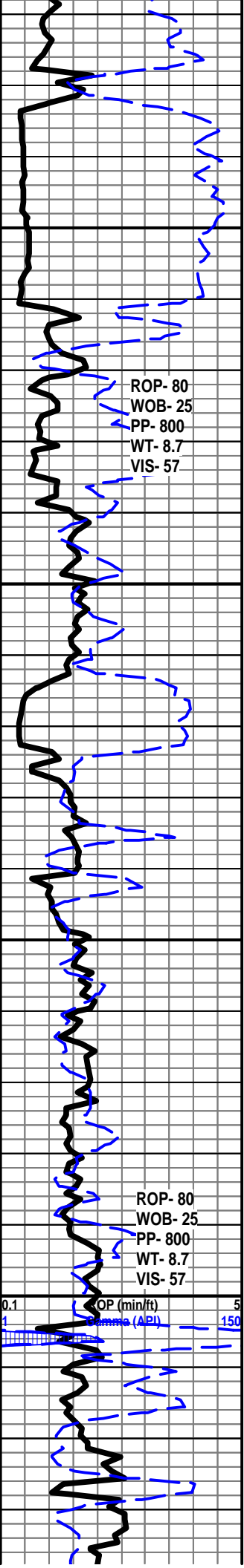


BASE ROOT SHALE @ 2673' -738'

**STARTED MANNED UNIT ON
6/16/2011 @ 7:30 A.M.**



CN

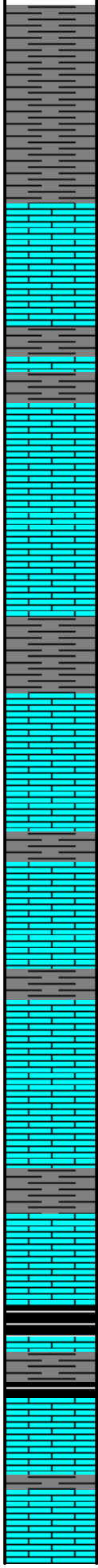


2850

2900

2950

3000



SH- LT GRY TO GRY, FRM TO TR SFT, BLK

HOWARD @ 2861' -926'

SH- CRM LT TN TO TN, HD DNS TO BRITT, FN XLI TO REXLN MTRX THRU, IMBD CALC XLS THRU, SLI TR SFT GRYISH WHT CHLK SCAT IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GRY TO DK GRY, FRM, BLKY

SH- CRM LT TN TO TN, HD DNS TO BRITT, FN XLI TO REXLN MTRX THRU, TR SUCRO TXT SCAT IP, IMBD CALC XLS THRU, TR IMBD FOSS FRAGS IP, SLI TR SFT GRYISH WHT CHLK SCAT IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SEVERY @ 2914' -979'

SH- GRY TO DK GRY, FRM TO TR GUMMY, BLK

TOPEKA @ 2923' -988'

LS- CRM LT TN TO TN, FN TO MD XLN TO REXLN MTRX THRU, SUCRO TXT THRU, IMBD CALC XLS SCAT THRU, IMBD FOSS FRAGS, NO VIS FLO, PR TO TR FR INTR-XLN POR, NO VIS CUT, NO VIS SHOW

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

SH- GRY TO DK GRY, FRM, SMTH BLKY

LS- CRM LT TN TO TN, STAIN IN 5%, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, SLI TR SUCRO TXT IP, IMBD CALC XLS SCAT IP, IMBD FOSS FRAGS IP, V/SLI TR SFT WHT CHLK SCAT IP, DLL YEL SLI TR BRIT IN 15% FLO, TR PR INTR-XLN POR, NO VIS CUT NO VIS SHOW

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

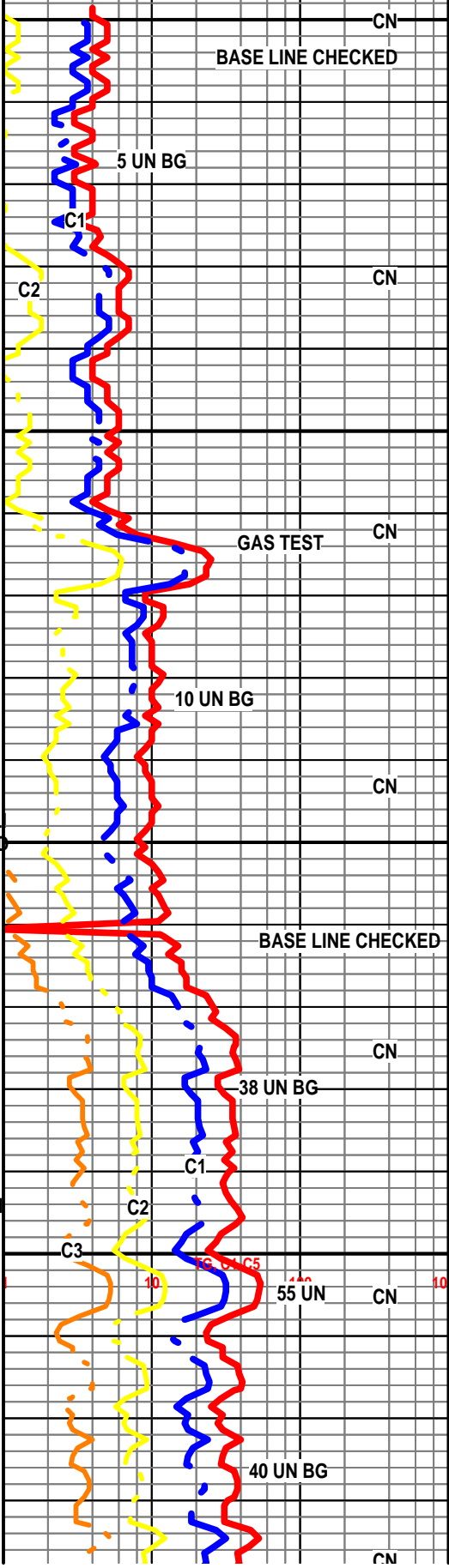
LS- CRM LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX, IMBD CALC XLS, IMBD DISS PYR, DLL YEL FLO, NO VIS POR, NO VIS SHOW

SH- SOFT BLACK CARB SHALE

SH- DK GRY TO BLK, FRM TO TR SFT, LIMY SLI CARB

LE COMPTON 3028' -1093'

LS- CRM LT TN TO TN, FN XLN TO REXLN MTRX, SUCRO TXT SCAT THRU, CALC XLS THRU, DIS



PYR SCAT IP, DLL TO TR BRIT YEL FLO IN 15%,
V/PR INTR-XLN POR, NO VIS CUT NO VIS SHOW

SH- GRY TO DK GRY, FRM, SMTH BLKY

SH- SOFT BLACK CARB SHALE

LS- CRM TN, HD DNS TO BRITT, V/FN TO FN XLN,
REXLN MTRX, IMBD CALC XLS SCAT THRU, SLI
TR IMBD GRY SH, NO VIS FLO, NO VIS POR, NO
VIS SHOW

SH- DK GRY TO BLK, FRM TO SFT, BLKY TO TR
SPLINTY, LIMY TO CARE

SH- GRY TO DK GRY, FRM, SMTH BLKY

LS- CRM DK TN, HD DNS TO BRITT, FN XLN TO
REXLN MTRX, IMBD CALC XLS, SLI TR SFT WHT
CHLK, IMBD FOSS FRAGS IP, DEAD TO TARY OIL
STAIN IN 60%, DLL GLD FLO IN 30%, FR INTR-XLN
TO FR VUG POR, EXT INST FLUSH CUT TO GD
STRONG MLKY BLUE STREAM CUT THRU, GD OIL
ODOR, DK BRN STAIN ON DISH

HEEBNER @ 3151' -1216'

SH- SOFT BLACK CARB SHALE

LS- CRM LT TN TO TN, LT OIL STAIN IN 30%DNS,
FN TO MD XLN TO REXLN MTRX THRU, IMBD
CALC XLS THRU, SLI TR IMBD FOSS FRAGS SCA
IP, IMBD DISS PYR SCAT THRU, DLL TO BRIT YEL
FLO IN 40%, TR FR INTR-XLN TO PR MICRO PP
POR, FR FLUSH CUT TO FR MLKY BLUE STREAM
CUT IN 25%, FR TO PR OIL ODOR, V/LT BRN
STAIN ON DISH

DOUGLAS @ 3187' -1252'

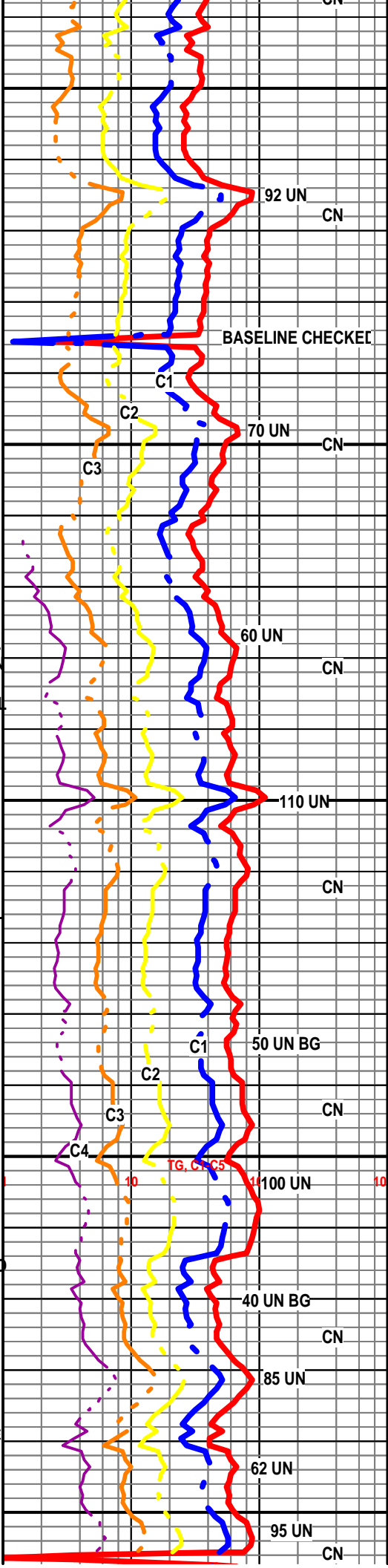
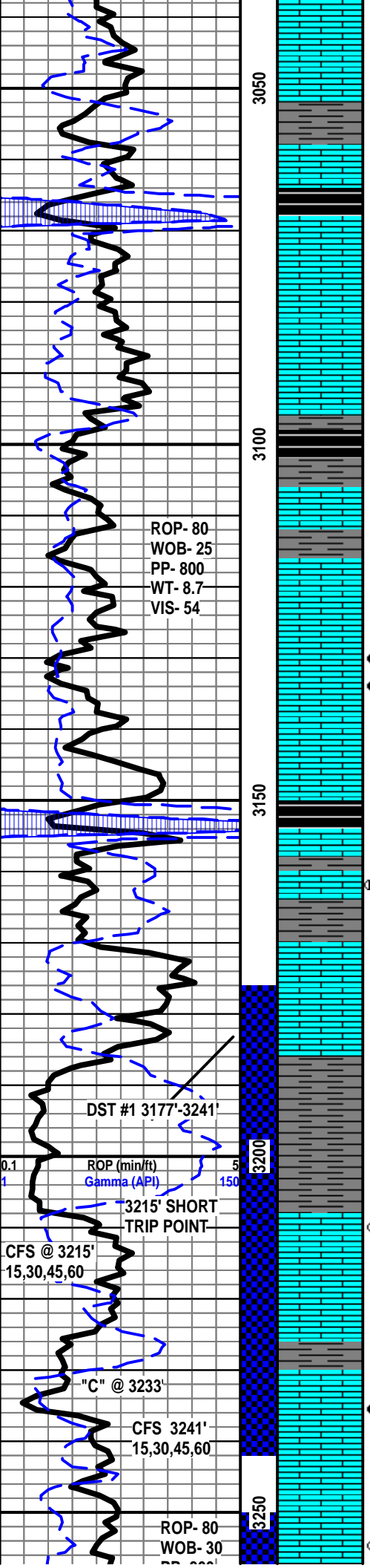
SH- GRY TO DK GRY, FRM TO TR GUMMY, BLK

LANSING @ 3209" -1274'

LS- CRM TN, STAIN IN 45%, HD DNS, FN XLN TO
REXLN MTRX, IMBD CALC XLN IP, IMBD FOSS
FRAGS SCAT IP, V/SLI TR IMBD GRN SH, DLL GLD
YEL FLO IN 40%, FR MICRO PP TO FR INTR-XLN
POR, FR TO GD FLUSH CUT TO GD STRONG
MLKY BLUE STREAM CUT IN 30%, PR OIL ODOR

LS- CRM BUFF TN, HD DNS TO BRITT, FN XLN TO REXLN MTF
THRU, SUCRO TXT THRU, IMBD CALC XLS THRU, IMBD OOL
SCAT IP, IMBD FOSS FRAGS IP, V/SLI TR IMBD GRN SH, GLD
TO BRIT YEL FLO IN 50%, FR TO TR GD INTR-XLN TO FR VUG
POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE
STREAM CUT IN 60%, GD OIL ODOR, LT BRN STAIN ON DISH

LS- CRM LT TN TO TN, HD DNS TO BRITT, V/FN TO FN XLN TR
REXLN MTRX, IMBD CALC XLS SCAT THRU, IMBD FOSS
FRAGS, DLL YEL TO TR BRIT FLO IN 15%, TR PR INTR-XL



ROP- 80
WOB- 25
PP- 800
WT- 8.7
VIS- 54

DST #1 3177'-3241'

ROP (min/ft)
Gamma (API)

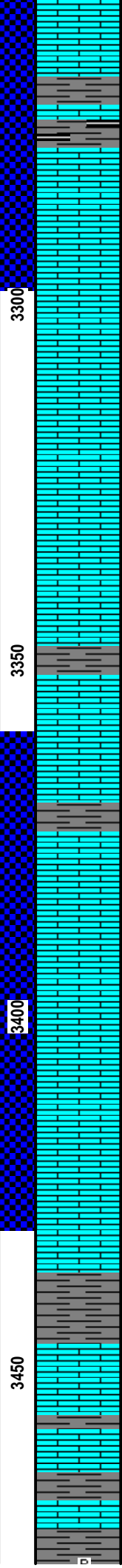
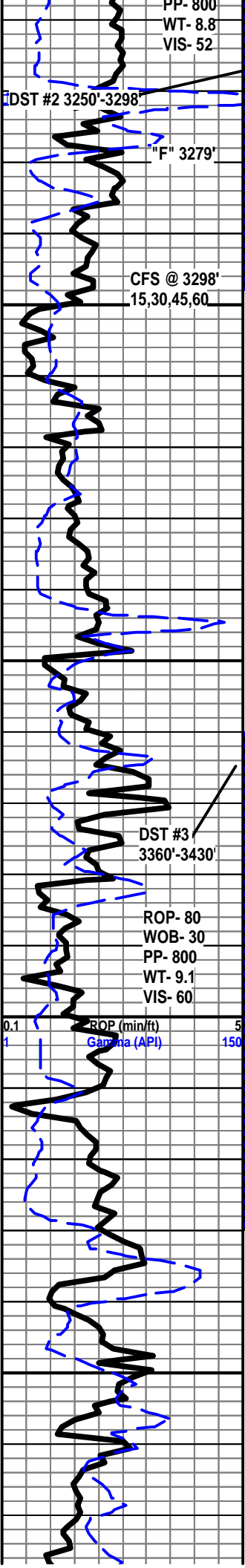
3215' SHORT
TRIP POINT

CFS @ 3215'
-15,30,45,60

"C" @ 3233'

CFS 3241'
15,30,45,60

ROP- 80
WOB- 30
PP- 800



POR, PR FLUSH CUT THRU TO GD STRONG MLKY BLUE CUT IN 5%, FR OIL ODOR

SH- GRY TO DK GRY, FRM, BLKY TO SPLINTY IP, SLI LIMY TO SLI CARB

LS- CRM TO TN, STAIN IN 35%, HD DNS, FN XLN TO REXLN MTRX THRU, IMBD CALC XLS SCAT IP, IMBD OOL THRU, V/SLI TR FRM WHT CHLK SCAT IP, GLD TO BRIT YEL FLO IN 25%, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 15%, FR TO GD OIL ODOR, LT BRN STAIN ON DISH

LS- CRM OFF WHT WHT LT TN TO TN, STAIN IN 55%, HD DNS TO BRITT, FN TO MD XLN, REXLN MTRX, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, SLI TR SFT WHT CHLK SCAT IP, GLD TO BRIT YEL FLO IN 45%, FR TO GD INTR-XLN TO FR VUG POR, GD INST FLUSH CUT THRU, TO GD STRONG MLKY BLUE STREAM CUT IN 60%, GD OIL ODOR, LT BRN STAIN ON DISH

3301'-3311' LS- CRM OFF WHT LT TN, STAIN IN 10%, HD DNS TO BRITT, MD XLN TO REXLN MTRX, TR IMBD CALC XLS IP, ABD IMBD OOL THRU, TR SFT WHT CHLK SCAT THRU, GLD TO BRIT YEL FLO IN 20%, FR OOLCST POR IP, PR FLUSH CUT TO NO STREAM CUT, PR OIL ODOR

3322' LS- CRM OFF WHT TN, STAIN IN 45%, HD DNS, FN TO MD XLN TO REXLN MTRX THRU, IMBD CALC XLS SCAT THRU, IMBD OOL SCAT IP, TR IMBD DISS PYR SCAT IP, SLI TR SFT WHT CHLK, GLD FLO IN 50%, FR INTR-XLN TO FR VUG POR, GD FLUSH CUT TO GD STRONG MLKY BLUE STREAM CUT IN 20%, GD OIL ODOR, V/LT STAIN ON DISH

SH- GRY TO DK GRY, FRM, SMTH BLKY TO SPLINTY IP

LS- CRM OFF WHT BUFF LT TN, STAIN IN 15%, HD DNS TO BRITT, FN TO MD XLN REXLN MTRX THRU, TR SUCRO TXT IP, IMBD CALC XLS THRU, TR IMBD FOSS FRAGS, SLI TR SFT WHT CHLK, DLL YEL FLO IN 20%, PR INTR-XLN TO POSS FRAC POR, NO VIS CUT, NO VIS SHOW

SH- GRY TO DK GRY, FRM TO SFT IP, SMTH BLKY

LS- CRM OFF WHT BUFF LT TN, STAIN IN 25%, HD DNS TO BRITT, FN XLN REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, TR IMBD FOSS FRAGS SCAT IP, V/SLI TR IMBD DISS PYR, DLL GLD YEL FLO IN 35%, PR INTR-XLN TO FR MICRO PP POR, PR FLUSH CUT IN 20% TO NO STREAM CUT, NO ODOR

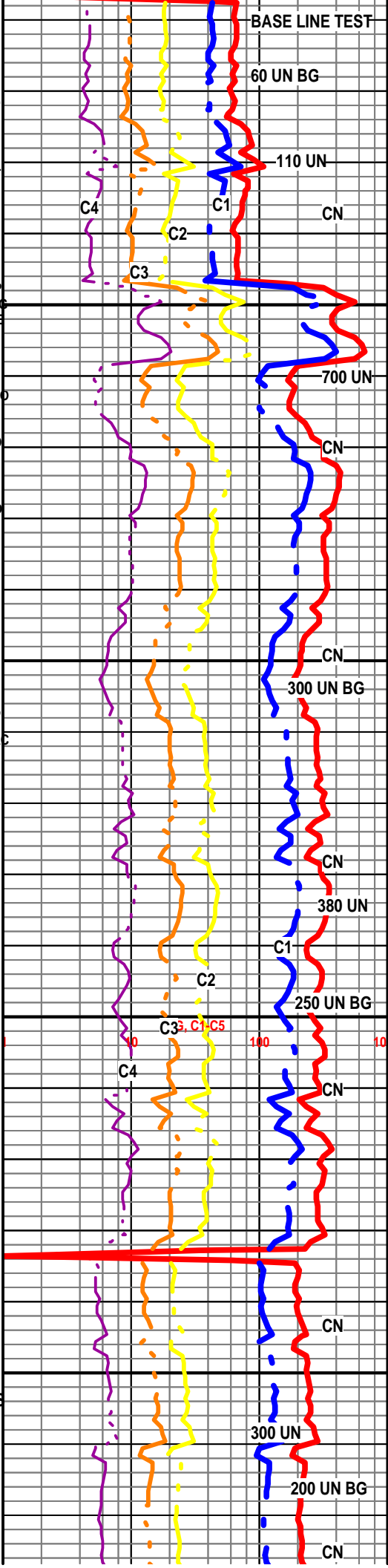
LS- CRM LT TN TO TN, STAIN IN 45%, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, V/SLI TR IMBD FOSS FRAGS, GLD TO BRIT YEL FLO IN 50%, FR TO TR GD INTR-XLN TO FR MICRO P POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 40%, FR OIL ODOR

LS- CRM LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX, IMBD CALC XLS SCAT IP, TR IMBD FOSS FRAGS, GLD YEL FLO IN 15%, FR INTR-XLN TO PR PP POR, FR FLUSH CUT THRU TO FR MLKY BLUE STREAM CUT IN 20%, PR TO FR OIL ODOR

BKC 3436' -1501'

SH- GRY TO DK GRY, FRM TO TR SFT, BLKY TO SPLINTY SCAT IP

LS- CRM OFF WHT TO WHT LT TN, HD DNS TO BRITT, MD XLN TO REXLN MTRX, IMBD CALC XLS SCAT THRU, IMBD FOSS FRAGS THRU, GRYISH WHT CHLK SCA THRU, DLL TO BRIT YEL FLO IN 60%, PR INTR-XLN TO TR MICRO PP POR, NO VIS CUT NO VIS SHOW



BASE LINE TEST

60 UN BG

110 UN

CN

700 UN

CN

CN

300 UN BG

CN

380 UN

C1

250 UN BG

CN

CN

300 UN

200 UN BG

CN

C4

C2

C1

C3

C2

C3, C4, C5

C4

CN

CN

SH- RDISH BRN DK GRY, SFT GUMMY, BLKY,
YELISH WHT CLR CHRT SCAT THRU, TR PYR

ARBUCKLE 3498' -1563'

3498'-3510'DOL- GRY LT TN TO TN, HD DNS TO BRITT, V/FN TO FN XLN, REXLN MTRX THRU, IMBD ABDT SM S/RND DOL GRNS, TR WHTISH PINK CHRT SCAT IP, V/SLI TR SFT WHT CHLK IP, DLL GLD TO TR BRIT FLO IN 55%, FR TO TR GD INTR-XLN POR, GD INST FLUSH CUT THRU, TO GD STRONG MLKY BLUE CUT IN 35%, PR OIL ODOR, LT BRN STAIN ON DISH

3526'-3532'DOL- CRM OFF WHT LT TN TO TN, HD DNS TO BRITT, V/FN TO FN XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM TO MD S/RND TO RND DOL GRNS, GLD TO BRIT FLO IN 60%, FR TO TR GD INTR-XLN POR, PR FLUSH CUT TO NO STREAM CUT

3550'-3558'DOL- CRM WHT TN, HD DNS TO BRITT, FN XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM RND DOL GRNS, GLD TO BRIT FLO IN 40%, GD INTR-XLN POR, GD FLUSH CUT IN 50% TO NO STREAM CUT

DOL- OFF WHT TO WHT TN, HD DNS TO BRITT, FN XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM RND DOL GRNS, GLD TO BRIT FLO IN 10%, NO VIS POR, NO VIS CUT, NO VIS SHOW

TD 3630' @ 12:30 PM 06/19/2011

LOGS BY WEATHERFORD

THANK YOU FOR CHOOSING EARTHTECH

LOG COMPLETED BY
JASON MARSHALL

