



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: _____



1068383

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 Bbbs.	Gas Mcf	Water Bbbs.	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	SCHEUERMAN-HOPKINS ET AL 1-15
Doc ID	1068383

All Electric Logs Run

SONIC
INDUCTION
MICRO
POR

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

November 21, 2011

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

Re: ACO1
API 15-165-21929-00-00
SCHEUERMAN-HOPKINS ET AL 1-15
SE/4 Sec.15-16S-16W
Rush 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



Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION 1061164
OIL & GAS CONSERVATION DIVISION

Form CP-4
March 2009

Type or Print on this Form
Form must be Signed
All blanks must be Filled

WELL PLUGGING RECORD
K.A.R. 82-3-117

OPERATOR: License #: _____
 Name: _____
 Address 1: _____
 Address 2: _____
 City: _____ State: _____ Zip: _____ + _____
 Contact Person: _____
 Phone: (_____) _____
 Type of Well: (Check one) Oil Well Gas Well OG D&A Cathodic
 Water Supply Well Other: _____ SWD Permit #: _____
 ENHR Permit #: _____ Gas Storage Permit #: _____
 Is ACO-1 filed? Yes No If not, is well log attached? Yes No
 Producing Formation(s): List All (If needed attach another sheet)
 _____ Depth to Top: _____ Bottom: _____ T.D. _____
 _____ Depth to Top: _____ Bottom: _____ T.D. _____
 _____ Depth to Top: _____ Bottom: _____ T.D. _____

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 #: _____
 Date Well Completed: _____
 The plugging proposal was approved on: _____ (Date)
 by: _____ (KCC District Agent's Name)
 Plugging Commenced: _____
 Plugging Completed: _____

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plugging Contractor License #: _____ Name: _____
 Address 1: _____ Address 2: _____
 City: _____ State: _____ Zip: _____ + _____
 Phone: (_____) _____
 Name of Party Responsible for Plugging Fees: _____
 State of _____ County, _____, ss.
 _____ Employee of Operator or Operator on above-described well,
 (Print Name)

being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

Submitted Electronically

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



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: 7/30/2011
 Invoice # 5253

P.O.#:
 Due Date: 8/29/2011
 Division: *Russell*

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

DRLG COMP W/O LOE GG

Account	2200-132
Well/Prospect	SCHEVERMAN-HOPKINS
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 SCHEVERMAN-HOPKINS 1-15

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 Mat-Material Service Charge	370	\$ 770.41	No
Calcium Chloride	13	\$ 509.70	Yes
Pump Truck Mileage-Job to Nearest Camp	30	\$ 311.70	No
8 5/8" Centralizer	3	\$ 199.89	Yes
Flo Seal	92	\$ 191.56	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	30	\$ 182.40	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: \$ 9,125.48
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,368.82)

SubTotal for Taxable Items: \$ 5,873.77
 SubTotal for Non-Taxable Items: \$ 1,882.89

6.30% Rush County Sales Tax

Total: \$ 7,756.65
 Tax: \$ 370.05
Amount Due: \$ 8,126.70
Applied Payments:
Balance Due: \$ 8,126.70

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

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

No. 5253

Date 7/26/11 Sec. 15 Twp. 16 Range 16 County Rush State KS On Location _____ Finish 4:15 PM

Lease _____ Well No. 1-15 Location Galatia, SW, NW, NE

Contractor Discovery Drilling Rig #2 Owner _____

Type Job Surface To Quality Oilwell Cementing, Inc.

Hole Size 12 1/4" T.D. 1052' You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Csg. 8 5/8" 23# Depth 1052' Charge To Samuel Gary Jr. + Associates

Tbg. Size _____ Depth _____ Street _____

Tool _____ Depth _____ City _____ State _____

Cement Left in Csg. 42' Shoe Joint 42' The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line _____ Displace 64 1/2 Bbk. Cement Amount Ordered 370 sx Con 3/4 cc 20 gal

EQUIPMENT

Pumptrk 9 No. Paul Cementer Helper _____ Common 370

Bulktrk 13 No. Matt Driver _____ Poz. Mix _____

Bulktrk PV No. Doug Driver _____ Gel. 7

JOB SERVICES & REMARKS

Remarks: _____ Hulls _____

Rat Hole _____ Salt _____

Mouse Hole _____ Flowseal 9 1/2"

Centralizers _____ Kol-Seal _____

Baskets _____ Mud CLR 48 _____

D/V or Port, Collar _____ CFL-117 or CD110 CAF 38 _____

SCHEVERMAN - HOPKINS ET AL Sand _____

Est. Circ. Handling _____

Mix 370 sx Mileage _____

Displace 64 1/2 Bbk. **FLOAT EQUIPMENT**

Land Plug Guide Shoe _____

Cement Circulated Centralizer 3

Baskets 3

AFU Inserts _____

Float Shoe _____

Latch Down _____

Thank You!! Bundle Plate + Rubber Plug

Head + Manifold

Pumptrk Charge Land Surface 105

Mileage 30

Tax

Discount

Total Charge

X Signature

[Handwritten Signature]



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: 8/4/2010
 Invoice # 5316

P.O.#:
 Due Date: 9/3/2010
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

DRLG COMP W/O LOE GG

Account	8200-145
Well/Prospect	SCHNEIDERMAN - HOPKINS
Deck	
AFB	
Approval	<i>[Signature]</i>
Description	

HOPKINS
1-15

Reference:
 SCHEVERMAN HOPKINS ETAL 1-15

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No				
Common-Class A	132	\$ 1,699.87	Yes				
Bulk Truck Matl-Material Service Charge	228	\$ 481.33	No				
POZ Mix-Standard	88	\$ 427.29	Yes				
Pump Truck Mileage-Job to Nearest Camp	26	\$ 273.90	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	26	\$ 160.28	No				
Flo Seal	50	\$ 105.56	Yes				
Dry Hole Plug	1	\$ 59.11	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$	4,171.18
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(625.68)
<hr/>			
	SubTotal for Taxable Items:	\$	1,948.05
	SubTotal for Non-Taxable Items:	\$	1,597.45
<hr/>			
	Total:	\$	3,545.50
	Tax:	\$	122.73
<hr/>			
	Amount Due:	\$	3,668.23
	Applied Payments:		
	Balance Due:	\$	3,668.23

6.30% Rush 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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Phone 785-483-2025
Cell 785-324-1041

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

No. 5316

Date	8-1-11	Sec.	15	Twp.	16	Range	16	County	Rush	State	KS	On Location		Finish	10:30				
Lease	Sheverman ^{Hopkins} ETAL			Well No.	1-15			Location Galatia SW 1/4 N Winto											
Contractor	Discovery #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	Rotary Plug			Hole Size				7/8				T.D.				36.50			
Csg.				Depth				Charge To				Sam Gary JRY Assoc							
Tbg. Size				Depth				Street											
Tool				Depth				City				State							
Cement Left in Csg.				Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line				Displace				Cement Amount Ordered				220 60/100 Hbbl 147 Flg							
EQUIPMENT																			
Pumptrk	5	No.	Cementer		Help		Common				132								
Bulktrk		No.	Driver		Driver		Poz. Mix				68								
Bulktrk	7	No.	Driver		Driver		Gel.				8								
JOB SERVICES & REMARKS																			
Remarks:					Calcium														
Rat Hole	305K				Hulls														
Mouse Hole	205K				Salt														
Centralizers					Flowseal				50 #										
Baskets					Kol-Seal														
D/V or Port Collar					Mud CLR 48														
1st	3-518		505K		CFL-117 or CD110 CAF 38														
2nd	1080		505K		Sand														
3rd	400		505K		Handling				228										
4th	60		205K		Mileage														
FLOAT EQUIPMENT																			
				Guide Shoe															
				Centralizer				8 5/8 water Plug											
				Baskets															
				AFU Inserts															
				Float Shoe															
				Latch Down															
				Pumptrk Charge				plug											
				Mileage				26											
												Tax							
												Discount							
												Total Charge							

Signature: *Paul Wick*



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. and Associates, Inc.**

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Claton Camozzi

15-16-16 Rush, Ks

Scheuerman-Hopkins et al 1-15

Start Date: 2011.03.25 @ 00:00:00

End Date:

Job Ticket #: 44156 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Claton Camozzi

Scheuerman-Hopkins et al 1-15

15-16-16 Rush, Ks

Job Ticket: 44156

DST#: 1

Test Start: 2011.03.25 @ 00:00:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened:

Time Test Ended:

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: 3253.00 ft (KB) To 3283.00 ft (KB) (TVD)

Total Depth: **3283.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1943.00 ft (KB)**

1935.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8734

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

Start Date: **2011.07.29**

End Date:

2011.07.29

Capacity: **8000.00 psig**

Last Calib.:

2011.07.29

Start Time: **19:10:28**

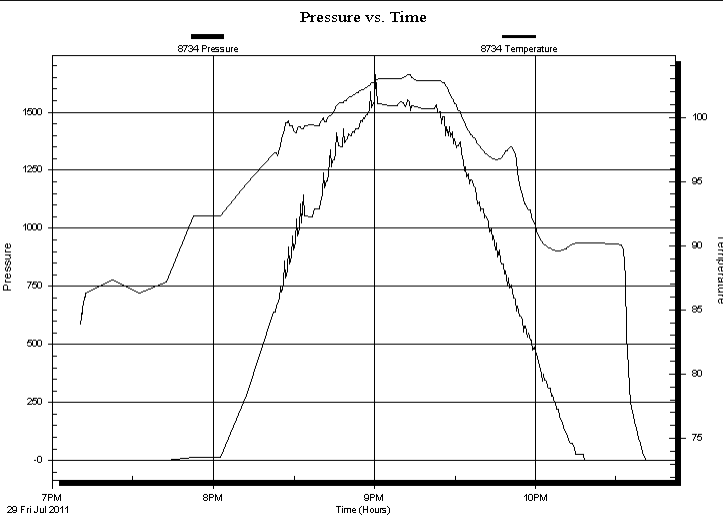
End Time:

22:41:27

Time On Btm:

Time Off Btm:

TEST COMMENT: - IFP - hit bridge 15' off bottom
 - ISI - packer failure
 - FFP -
 - FSI -



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44156

DST#: 1

ATTN: Claton Camozzi

Test Start: 2011.03.25 @ 00:00:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3253.00 ft (KB) To 3283.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3283.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8365

Press @ Run Depth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.29 End Date: 2011.07.29

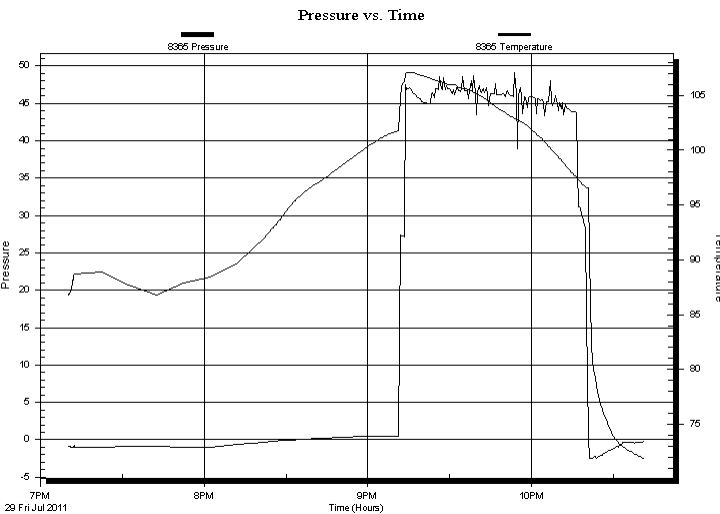
Last Calib.: 2011.07.29

Start Time: 19:10:23 End Time: 22:41:22

Time On Btm:

Time Off Btm:

TEST COMMENT: - IFP - hit bridge 15' off bottom
- ISI - packer failure
- FFP -
- FSI -



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44156

DST#: 1

ATTN: Claton Camozzi

Test Start: 2011.03.25 @ 00:00:00

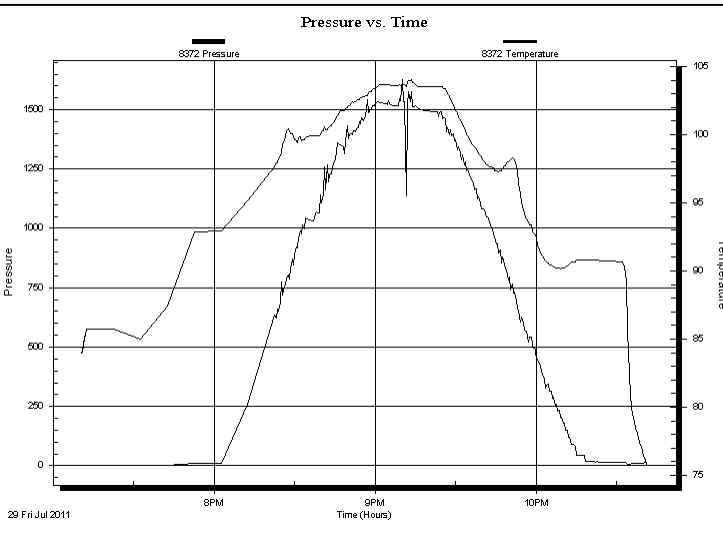
GENERAL INFORMATION:

Formation: LKC "C-D"	
Deviated: No Whipstock:	ft (KB)
Time Tool Opened:	Test Type: Conventional Bottom Hole
Time Test Ended:	Tester: Brian Fairbank
	Unit No: 41
Interval: 3253.00 ft (KB) To 3283.00 ft (KB) (TVD)	Reference Elevations: 1943.00 ft (KB)
Total Depth: 3283.00 ft (KB) (TVD)	1935.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 8.00 ft

Serial #: 8372

Press @ Run Depth:	psig @	ft (KB)	Capacity:	8000.00 psig
Start Date:	2011.07.29	End Date:	2011.07.29	Last Calib.:
Start Time:	19:10:36	End Time:	22:41:35	Time On Btm:
				Time Off Btm:

TEST COMMENT: - IFP - hit bridge 15' off bottom
 - ISI - packer failure
 - FFP -
 - FSI -



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

Recovery		
Length (ft)	Description	Volume (bbl)

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44156

DST#: 1

ATTN: Claton Camozzi

Test Start: 2011.03.25 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 45.32 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial lb
Depth to Top Packer:	3253.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8365	Fluid	3219.00	
Blank Spacing	5.00			3224.00	
Shut In Tool	5.00			3229.00	
Sampler	2.00			3231.00	
Hydraulic tool	5.00			3236.00	
Jars	5.00			3241.00	
Safety Joint	2.00			3243.00	
Packer	5.00			3248.00	34.00 Bottom Of Top Packer
Packer	5.00			3253.00	
Stubb	1.00			3254.00	
Perforations	1.00			3255.00	
Recorder	0.00	8372	Inside	3255.00	
Recorder	0.00	8734	Outside	3255.00	
Perforations	25.00			3280.00	
Bullnose	3.00			3283.00	30.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44156

DST#: 1

ATTN: Claton Camozzi

Test Start: 2011.03.25 @ 00:00:00

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:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

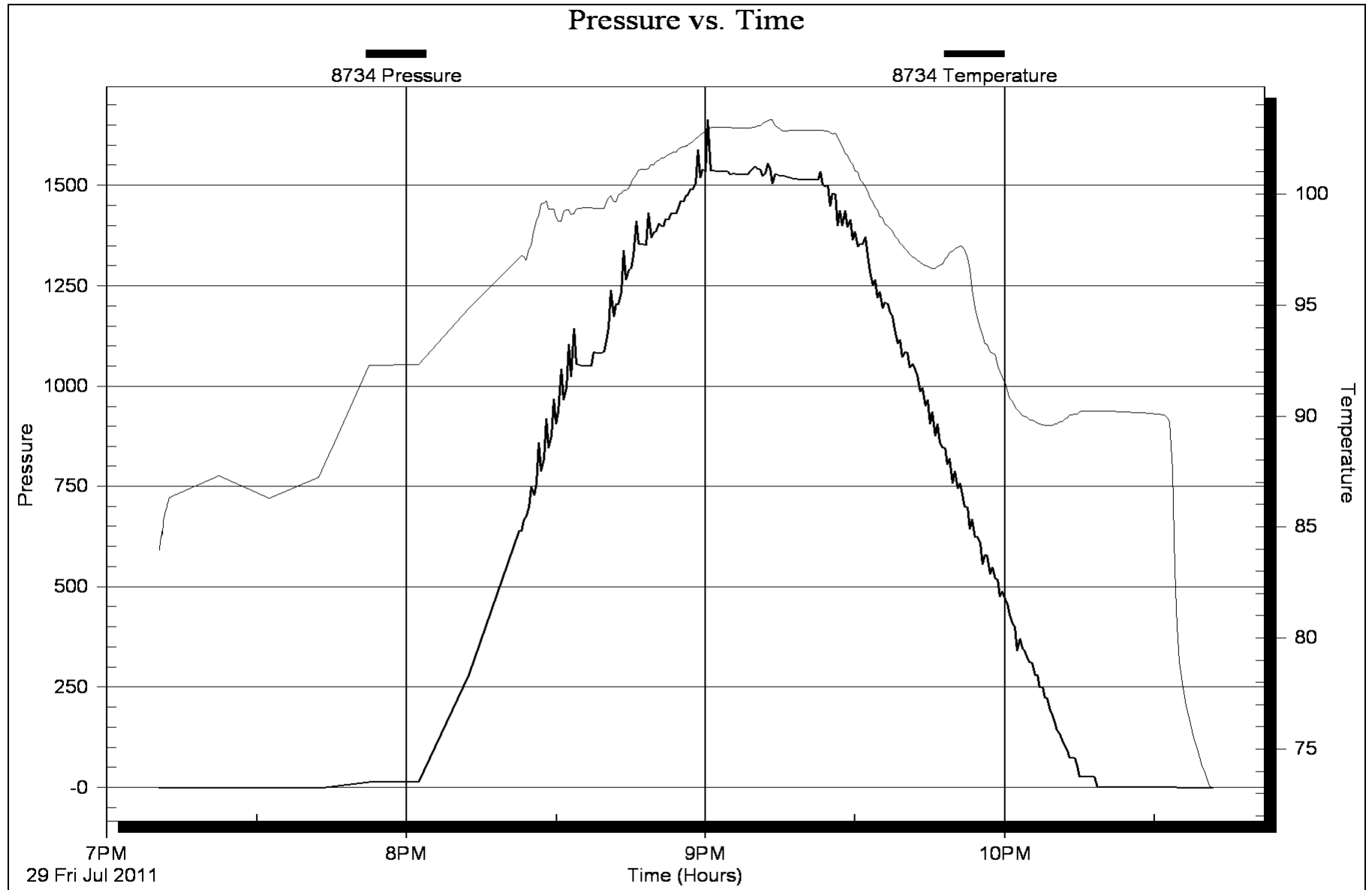
Length ft	Description	Volume bbbl

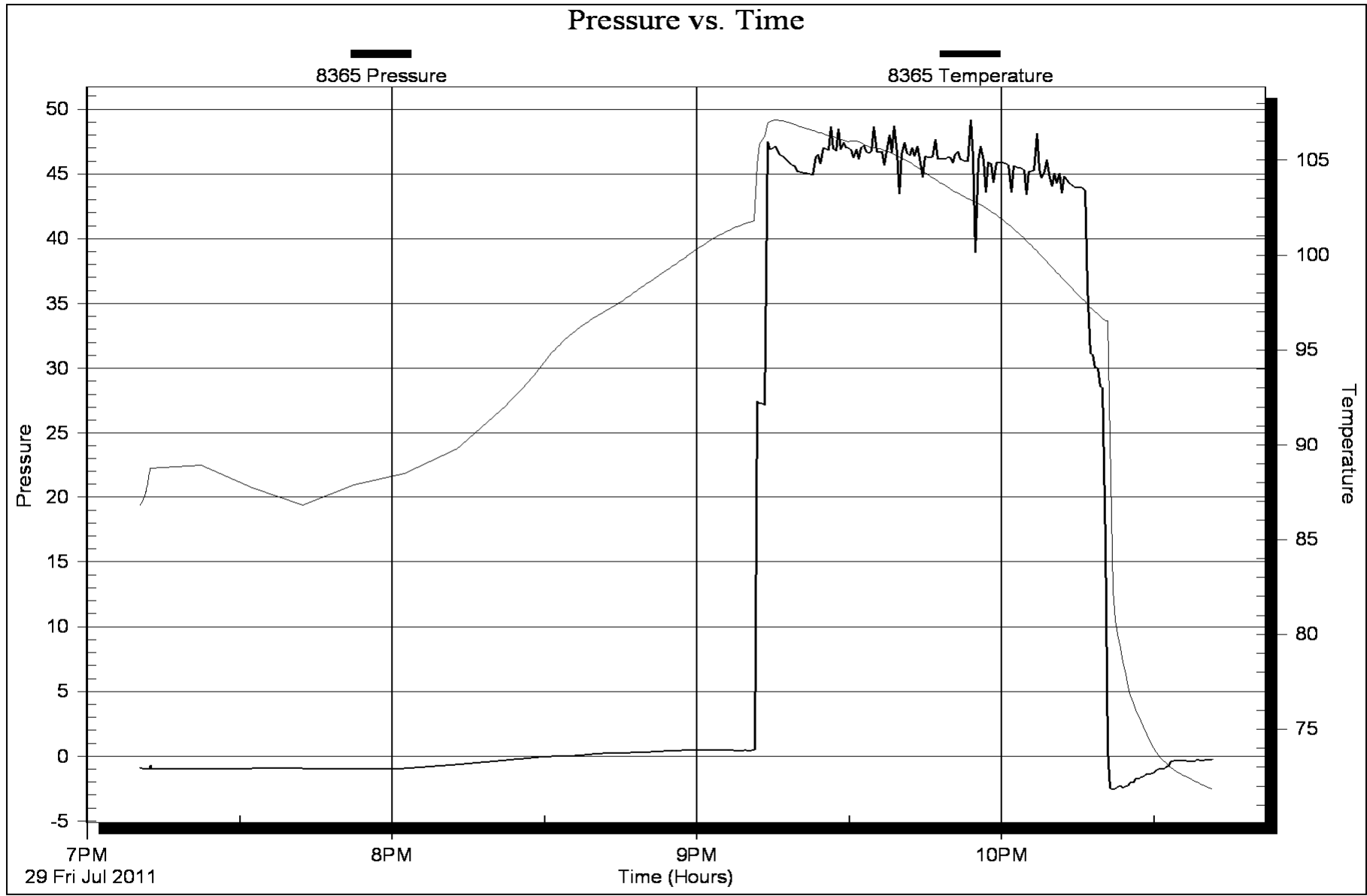
Total Length: ft Total Volume: bbl

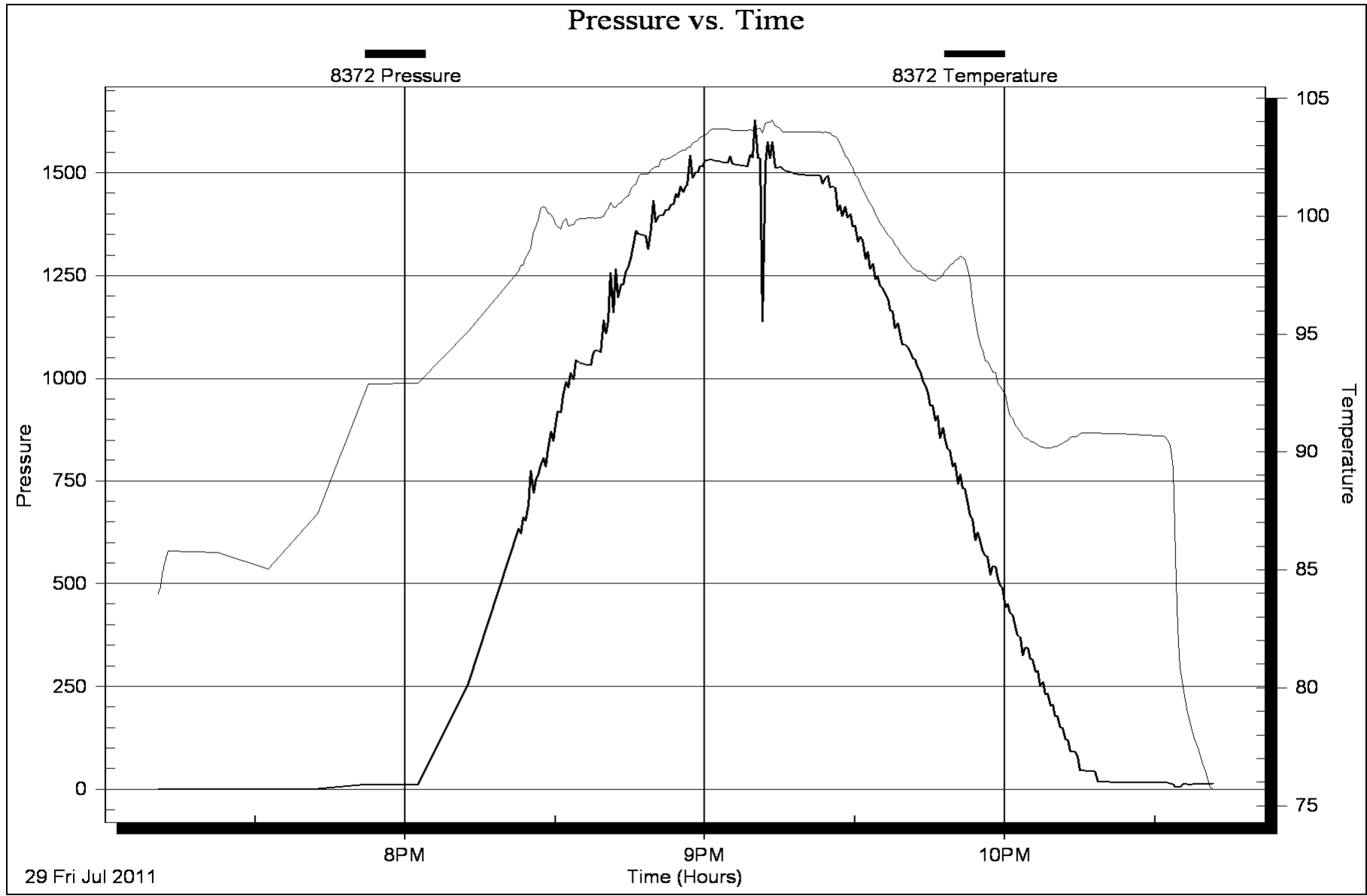
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







29 Fri Jul 2011



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. and Associates, Inc.**

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Claton Camozzi

15-16-16 Rush, Ks

Scheuerman-Hopkins et al 1-15

Start Date: 2011.07.30 @ 03:53:08

End Date: 2011.07.30 @ 11:28:38

Job Ticket #: 44157 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44157

DST#: 2

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 03:53:08

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:38:38

Time Test Ended: 11:28:38

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3253.00 ft (KB) To 3283.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3283.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press @ Run Depth: 81.70 psig @ 3255.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.30

End Date:

2011.07.30

Last Calib.:

2011.07.30

Start Time: 03:53:09

End Time:

11:28:38

Time On Btm:

2011.07.30 @ 05:37:38

Time Off Btm:

2011.07.30 @ 09:30:08

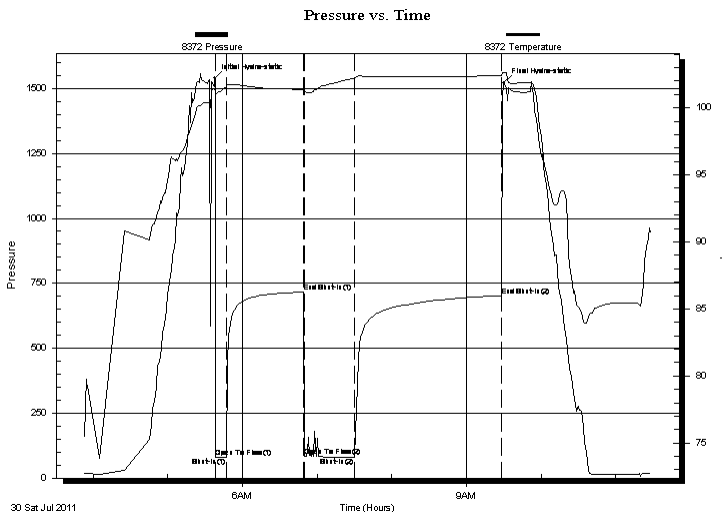
TEST COMMENT: 10 - IFP - weak blow throughout 1/4" - 1"

60 - ISI - no blow back

40 - FFP - no blow 18 min - 1/4"

120 - FSI - no blow back

PRESSURE SUMMARY



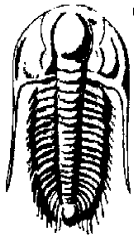
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1539.22	101.34	Initial Hydro-static
1	81.54	100.91	Open To Flow (1)
10	80.69	101.59	Shut-In(1)
71	716.11	101.38	End Shut-In(1)
72	84.75	101.20	Open To Flow (2)
113	81.70	102.21	Shut-In(2)
231	701.64	102.40	End Shut-In(2)
233	1521.86	102.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MW 70%W, 30%M	0.15
80.00	DRL MUD 100%	1.12

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Claton Camozzi

Scheuerman-Hopkins et al 1-15

15-16-16 Rush, Ks

Job Ticket: 44157

DST#: 2

Test Start: 2011.07.30 @ 03:53:08

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:38:38

Time Test Ended: 11:28:38

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3253.00 ft (KB) To 3283.00 ft (KB) (TVD)

Total Depth: 3283.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1943.00 ft (KB)

1935.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8365

Fluid

Press @RunDepth: psig @ 3219.00 ft (KB)

Start Date: 2011.07.30

Start Time: 03:53:52

End Date:

End Time:

Capacity: 8000.00 psig

Last Calib.: 2011.07.30

Time On Btm:

Time Off Btm:

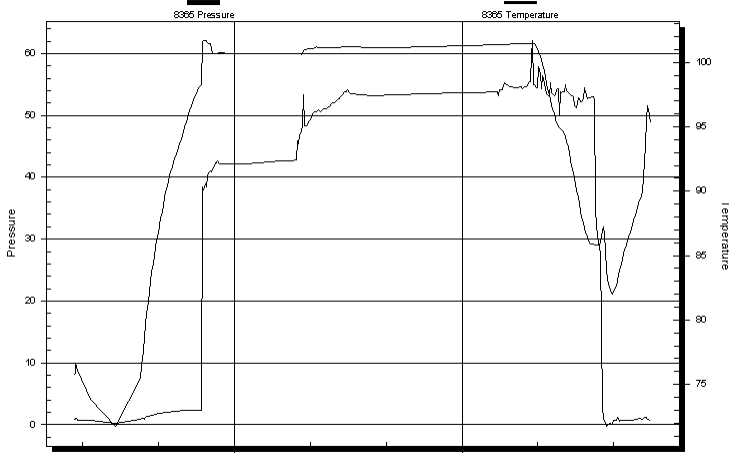
TEST COMMENT: 10 - IFP - weak blow throughout 1/4" - 1"

60 - ISI - no blow back

40 - FFP - no blow 18 min - 1/4"

120 - FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MW 70%W, 30%M	0.15
80.00	DRL MUD 100%	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44157

DST#: 2

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 03:53:08

Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.32 bbl</u>	Tool Chased 15.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3253.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8365	Fluid	3219.00	
Blank Spacing	5.00			3224.00	
Shut In Tool	5.00			3229.00	
Sampler	2.00			3231.00	
Hydraulic tool	5.00			3236.00	
Jars	5.00			3241.00	
Safety Joint	2.00			3243.00	
Packer	5.00			3248.00	34.00 Bottom Of Top Packer
Packer	5.00			3253.00	
Stubb	1.00			3254.00	
Perforations	1.00			3255.00	
Recorder	0.00	8372	Inside	3255.00	
Recorder	0.00	8734	Outside	3255.00	
Perforations	25.00			3280.00	
Bullnose	3.00			3283.00	30.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44157

DST#: 2

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 03:53:08

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 6300.00 ppm
Filter Cake: inches

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

Oil API: deg API
Water Salinity: 63000 ppm

Recovery Information

Recovery Table

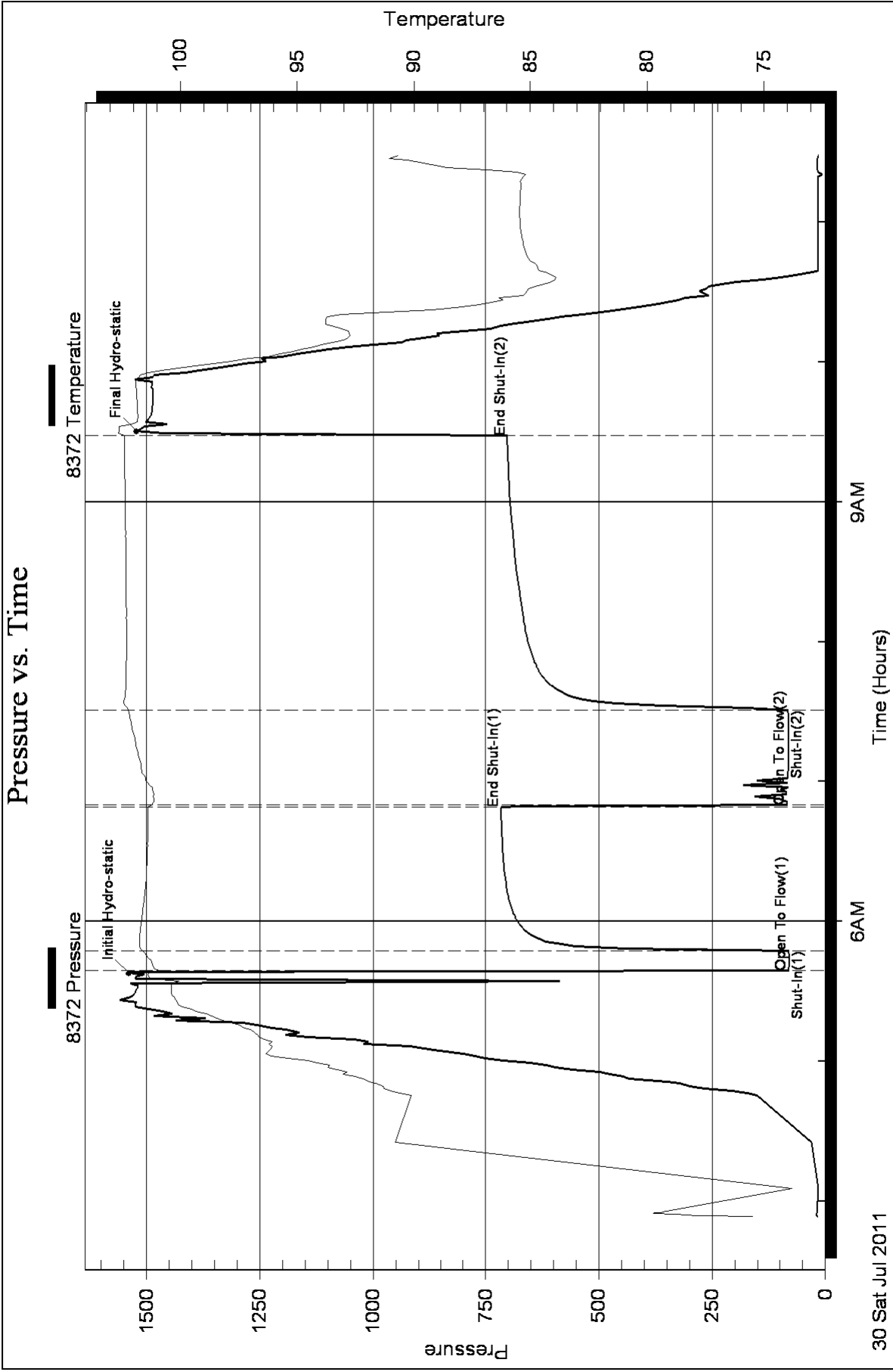
Length ft	Description	Volume bbl
30.00	MW 70%W, 30%M	0.148
80.00	DRL MUD 100%	1.122

Total Length: 110.00 ft Total Volume: 1.270 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: M 800 ML, W 3200 ML, 100 LBS



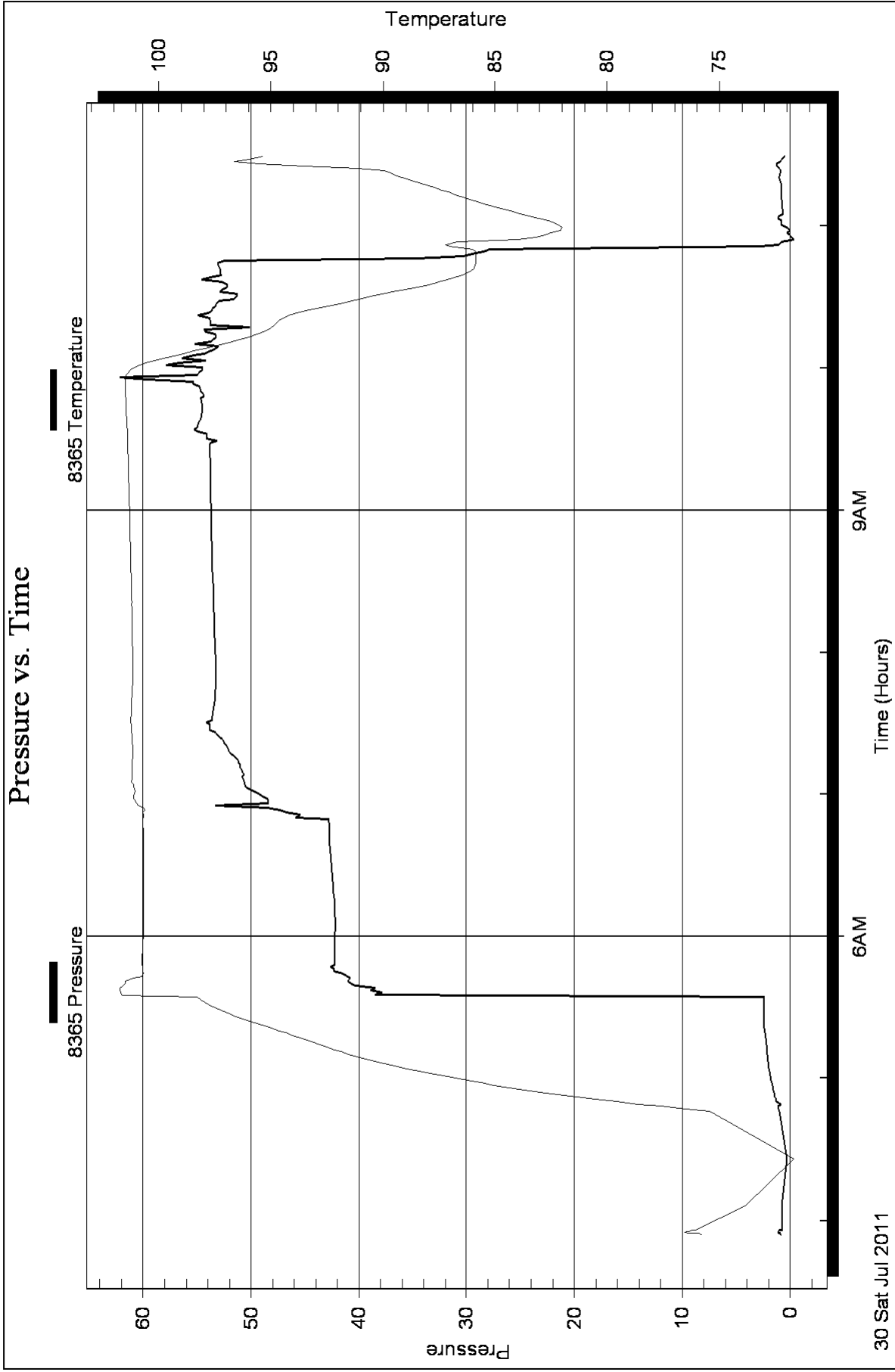
Serial #: 8365

Fluid

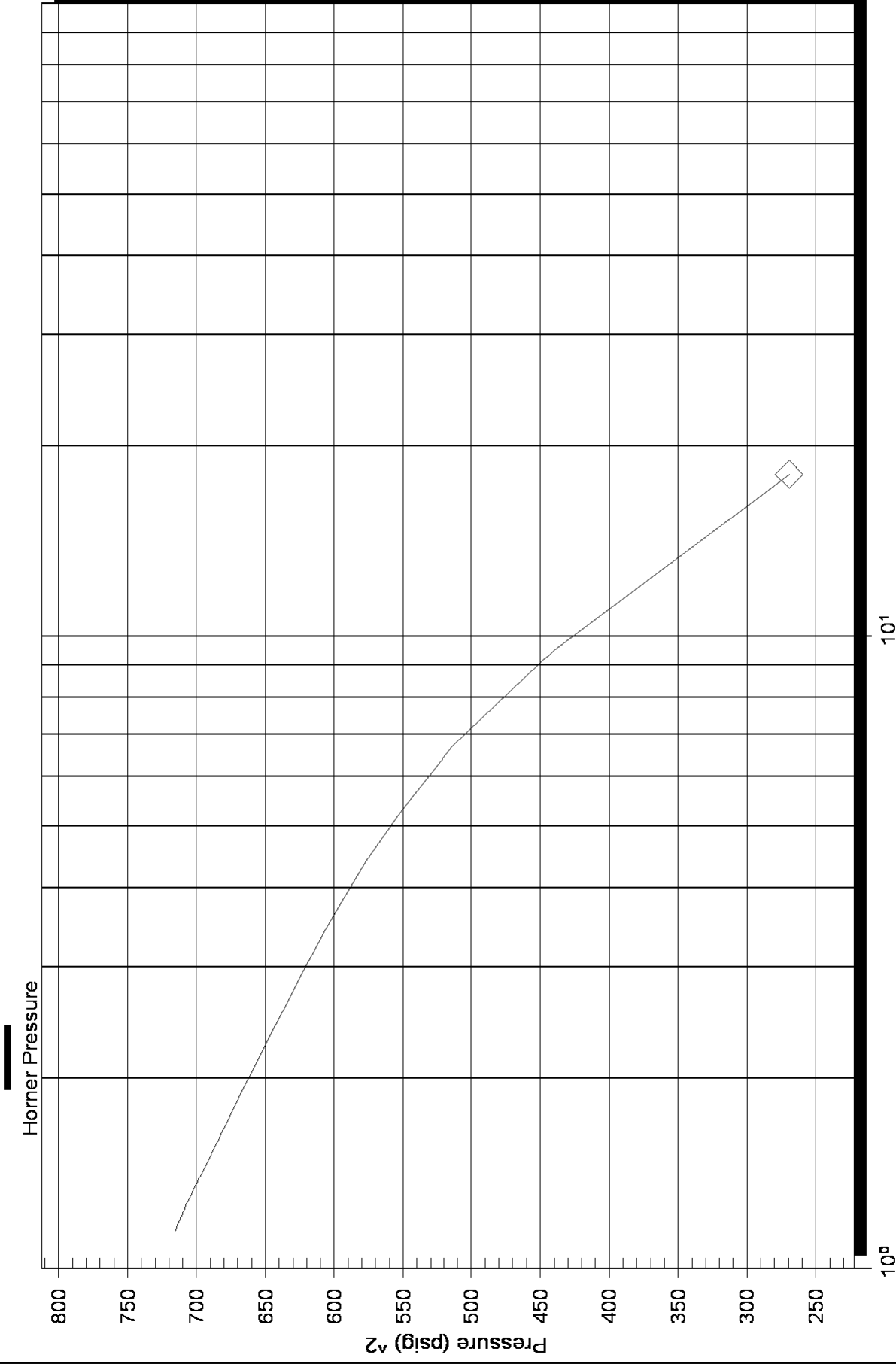
Samuel Gary Jr. and Associates, Inc.

15-16-16 Rush, Ks

DST Test Number: 2



Homer Plot



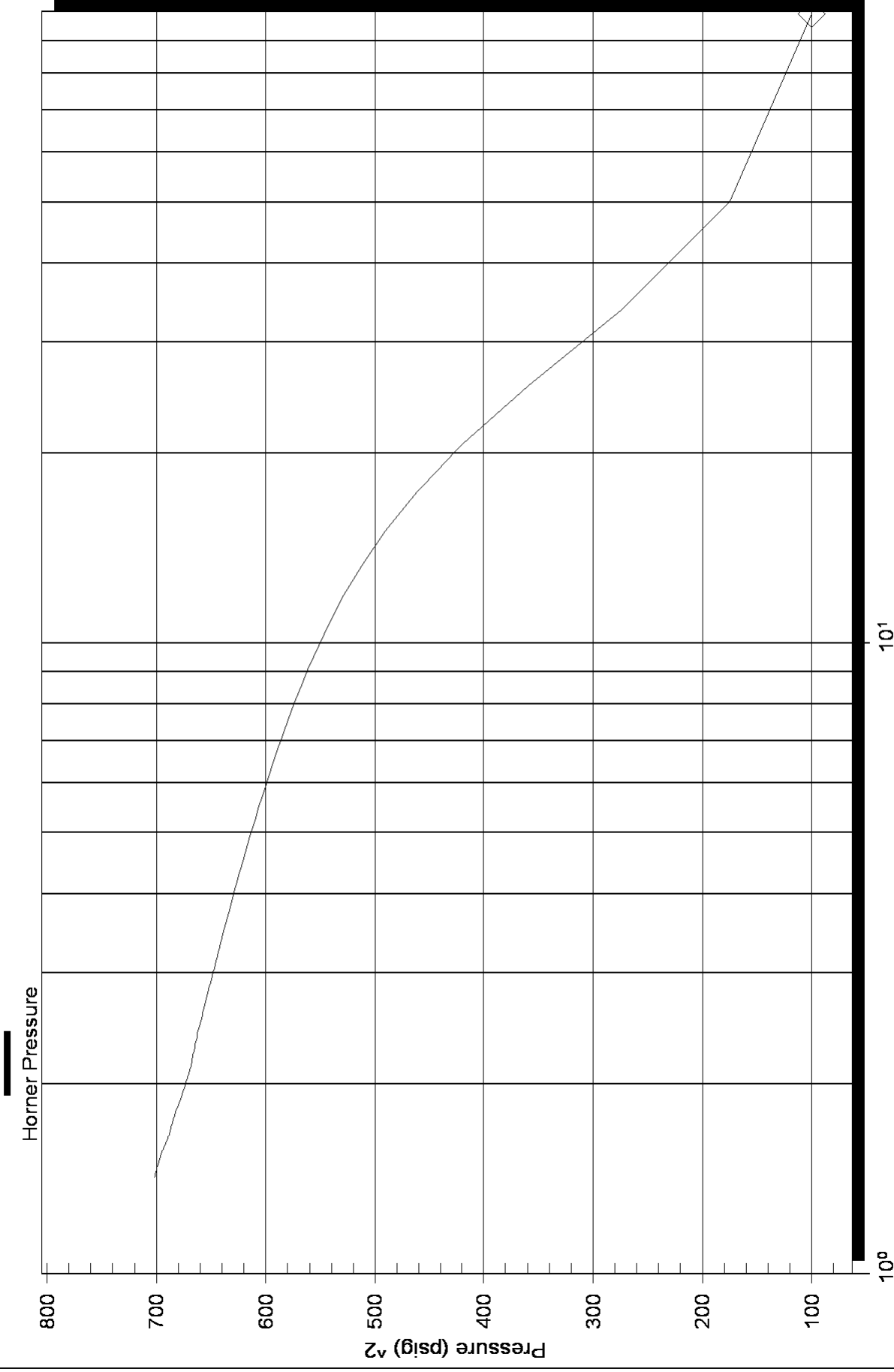
Horner Time: $(T_{wf} + dt) / dt$

P* : Slope (m) : kpa/log cycle

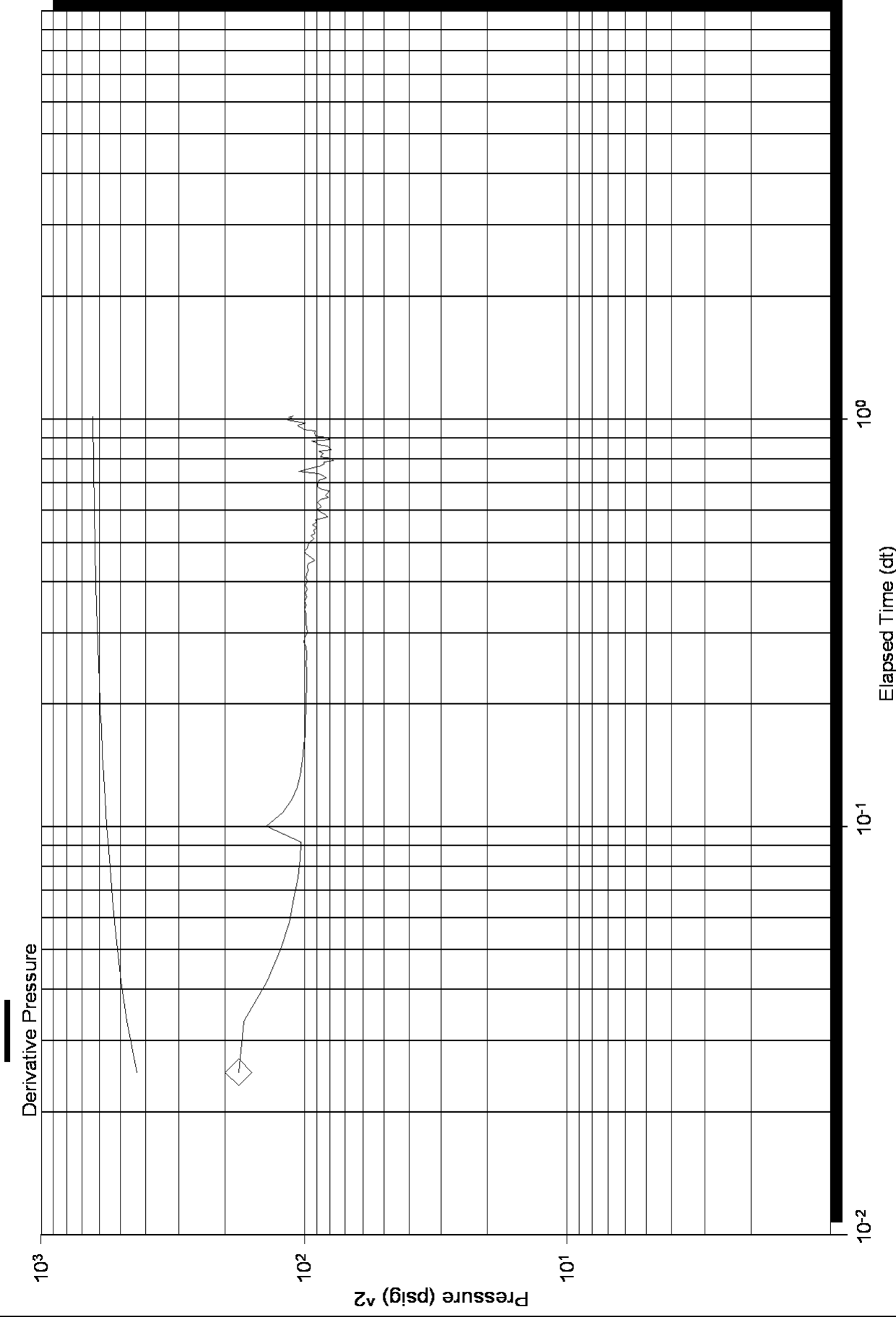
Serial Number: 8372 (Inside)

Flow Cycle: 1

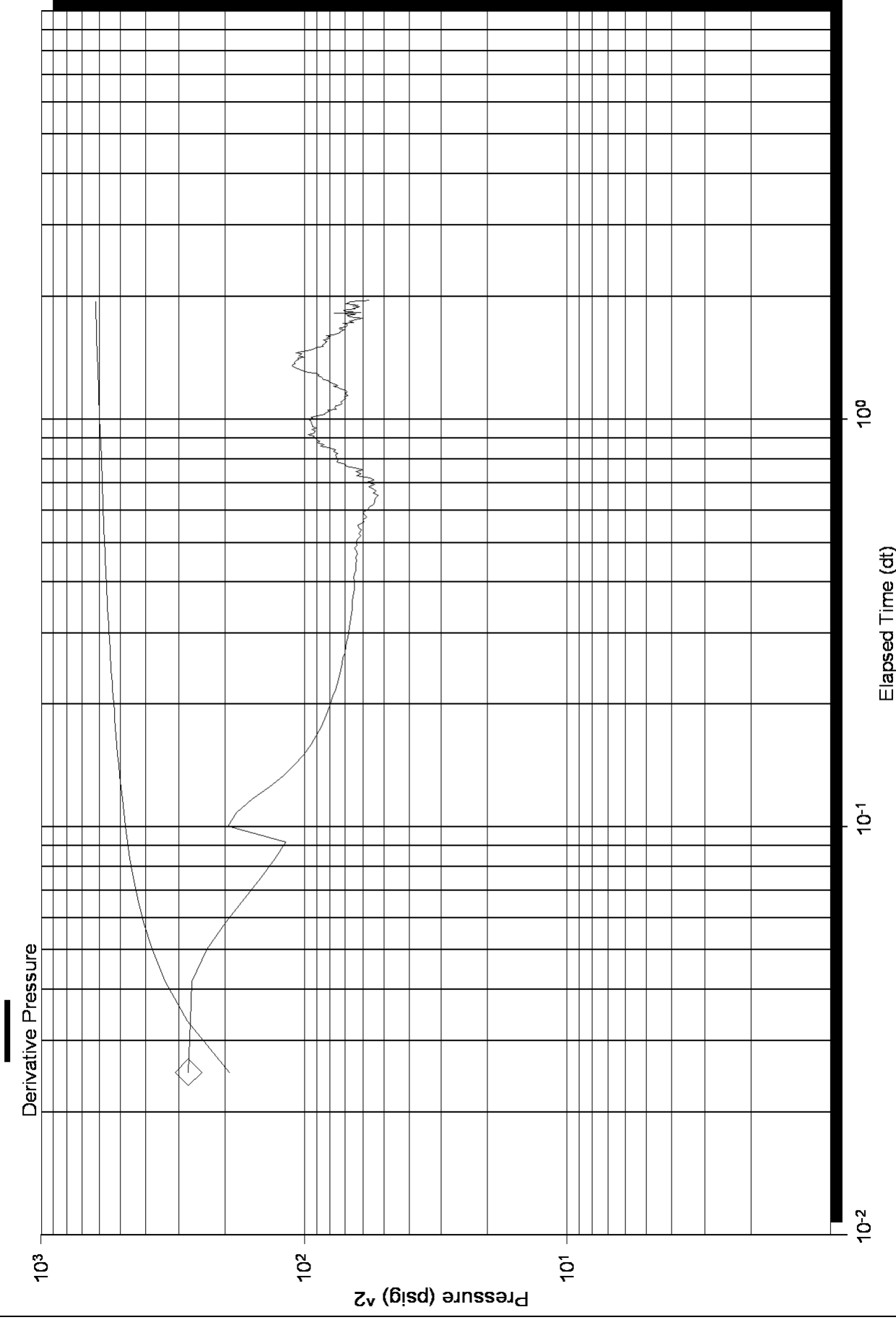
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. and Associates, Inc.**

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Claton Camozzi

15-16-16 Rush, Ks

Scheuerman-Hopkins et al 1-15

Start Date: 2011.07.30 @ 19:42:40

End Date: 2011.07.31 @ 01:20:10

Job Ticket #: 44158 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44158

DST#: 3

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 19:42:40

GENERAL INFORMATION:

Formation: **LKC "F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:17:10

Time Test Ended: 01:20:10

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3300.00 ft (KB) To 3335.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3335.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 89.79 psig @ 3307.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.30

End Date:

2011.07.31

Last Calib.:

2011.07.31

Start Time: 19:42:41

End Time:

01:20:10

Time On Btm:

2011.07.30 @ 21:16:10

Time Off Btm:

2011.07.30 @ 23:54:40

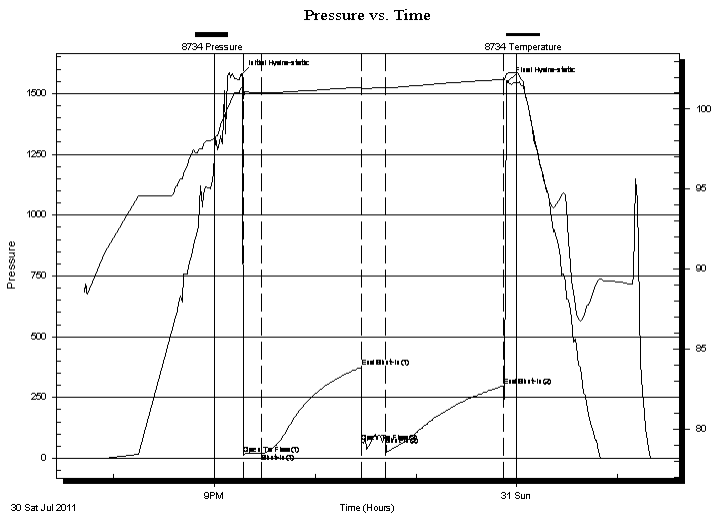
TEST COMMENT: 10 - IFP - sur blow - died 5 min

60 - ISI - no blow back

15 - FFP - no blow

70 - FSI - no blow back

PRESSURE SUMMARY



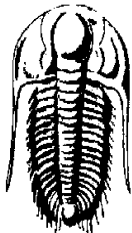
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1577.60	101.34	Initial Hydro-static
1	17.60	100.66	Open To Flow (1)
12	20.02	101.03	Shut-In(1)
71	373.34	101.37	End Shut-In(1)
72	65.93	101.28	Open To Flow (2)
86	89.79	101.34	Shut-In(2)
156	298.14	101.86	End Shut-In(2)
159	1548.32	102.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	drl mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44158

DST#: 3

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 19:42:40

GENERAL INFORMATION:

Formation: **LKC "F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:17:10

Time Test Ended: 01:20:10

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3300.00 ft (KB) To 3335.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3335.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press @ Run Depth: psig @ 3307.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.30 End Date: 2011.07.31

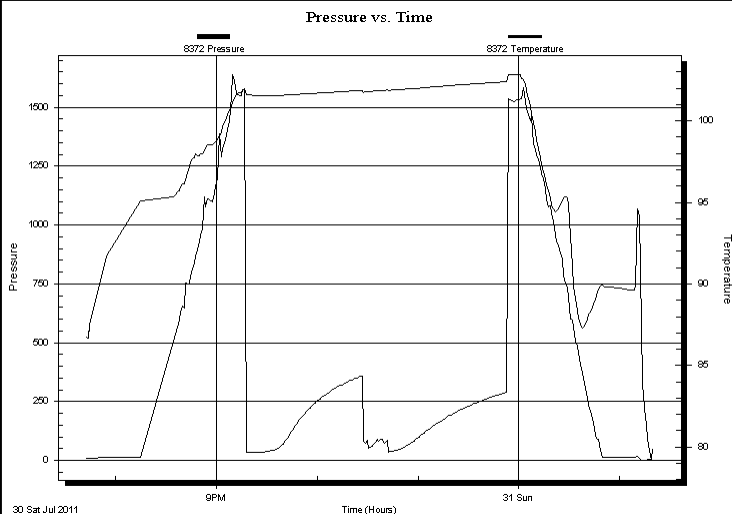
Last Calib.: 2011.07.31

Start Time: 19:42:43 End Time: 01:20:12

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IFP - sur blow - died 5 min
60 - ISI - no blow back
15 - FFP - no blow
70 - FSI - no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
4.00	drl mud 100%	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44158

DST#: 3

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 19:42:40

GENERAL INFORMATION:

Formation: **LKC "F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:17:10

Time Test Ended: 01:20:10

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3300.00 ft (KB) To 3335.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3335.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8365 Fluid

Press @ Run Depth: psig @ 3266.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.30

End Date:

2011.07.31

Last Calib.:

2011.07.31

Start Time: 19:42:57

End Time:

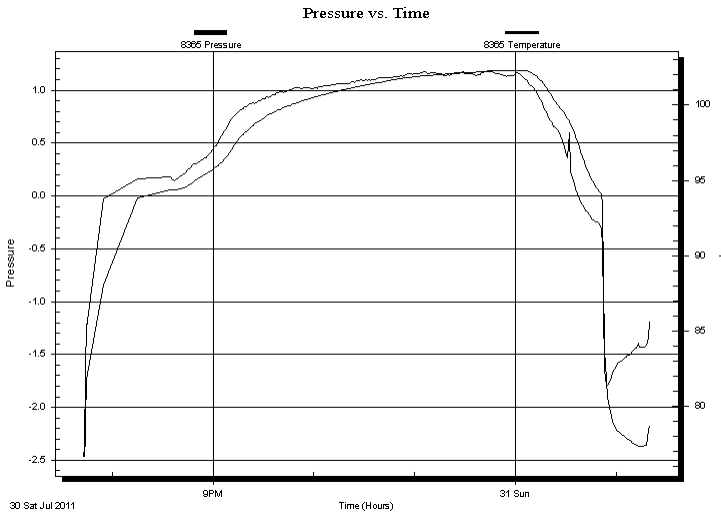
01:19:56

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IFP - sur blow - died 5 min
60 - ISI - no blow back
15 - FFP - no blow
70 - FSI - no blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
4.00	drl mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44158

DST#: 3

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 19:42:40

Tool Information

Drill Pipe:	Length: 3252.00 ft	Diameter: 3.80 inches	Volume: 45.62 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 45.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3300.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8365	Fluid	3266.00	
Blank Spacing	5.00			3271.00	
Shut In Tool	5.00			3276.00	
Sampler	2.00			3278.00	
Hydraulic tool	5.00			3283.00	
Jars	5.00			3288.00	
Safety Joint	2.00			3290.00	
Packer	5.00			3295.00	34.00 Bottom Of Top Packer
Packer	5.00			3300.00	
Stubb	1.00			3301.00	
Perforations	6.00			3307.00	
Recorder	0.00	8372	Inside	3307.00	
Recorder	0.00	8734	Outside	3307.00	
Perforations	25.00			3332.00	
Bullnose	3.00			3335.00	35.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44158

DST#: 3

ATTN: Claton Camozzi

Test Start: 2011.07.30 @ 19:42:40

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	drl mud 100%	0.020

Total Length: 4.00 ft Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

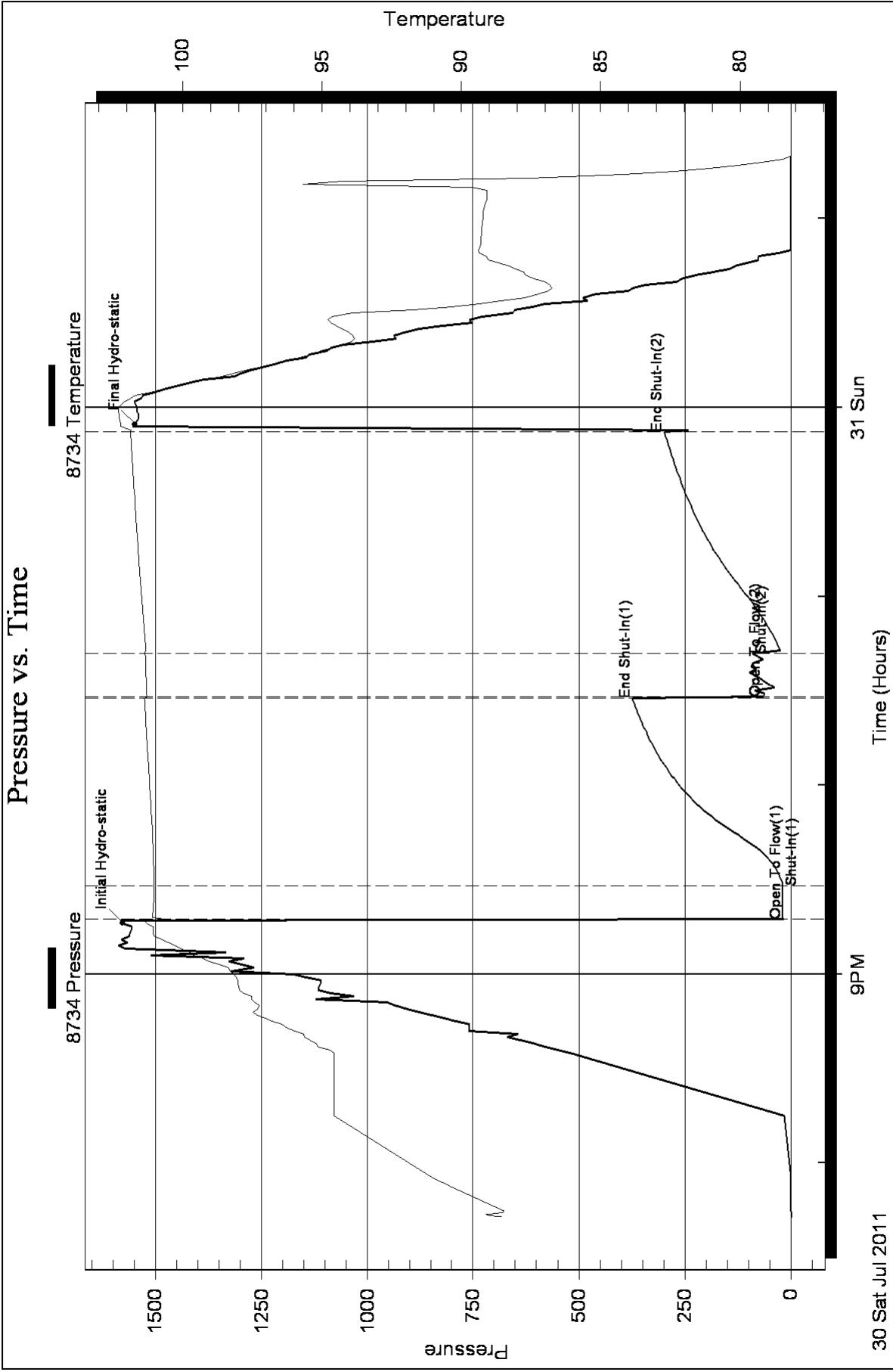
Serial #:

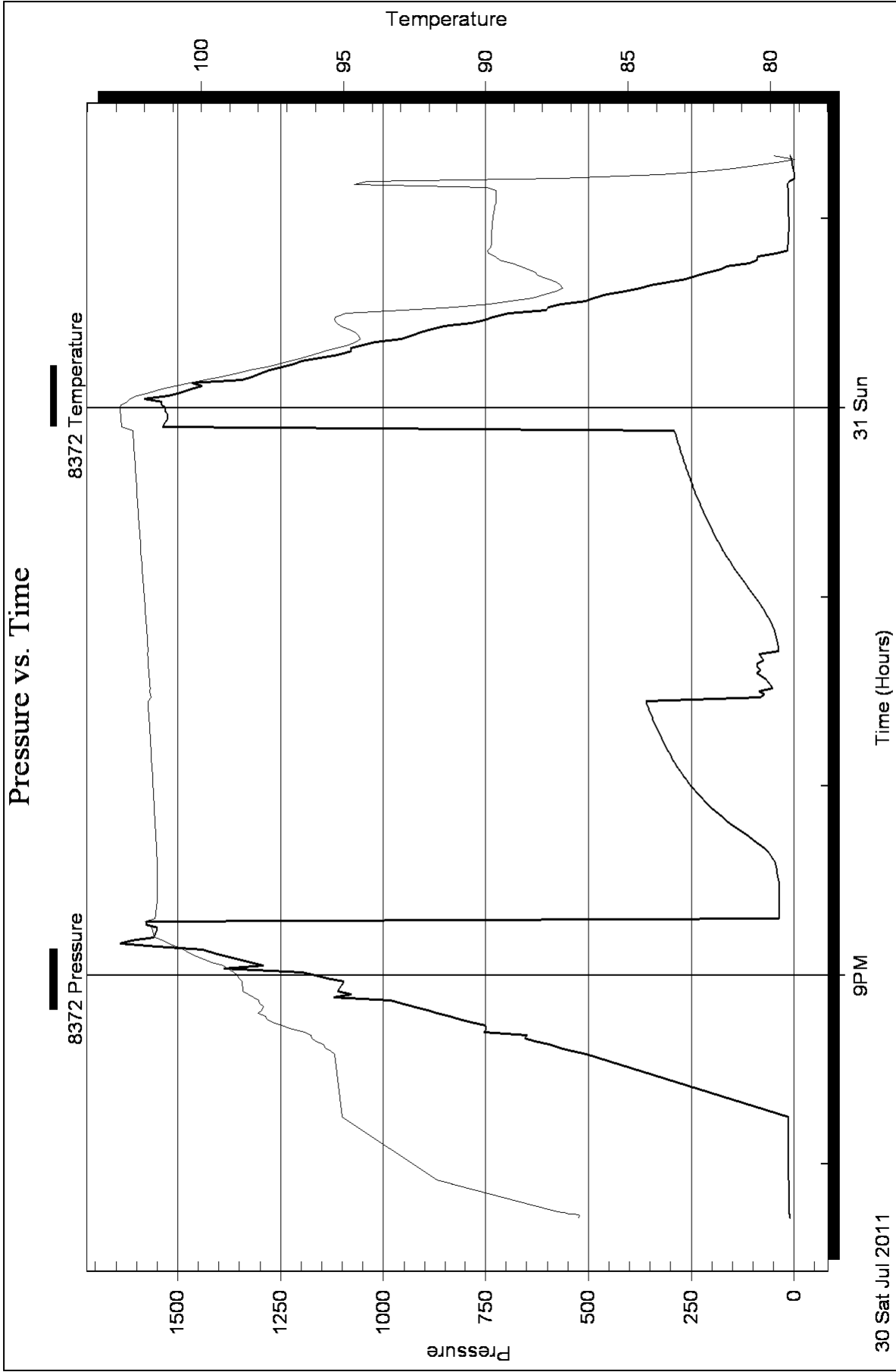
Laboratory Name:

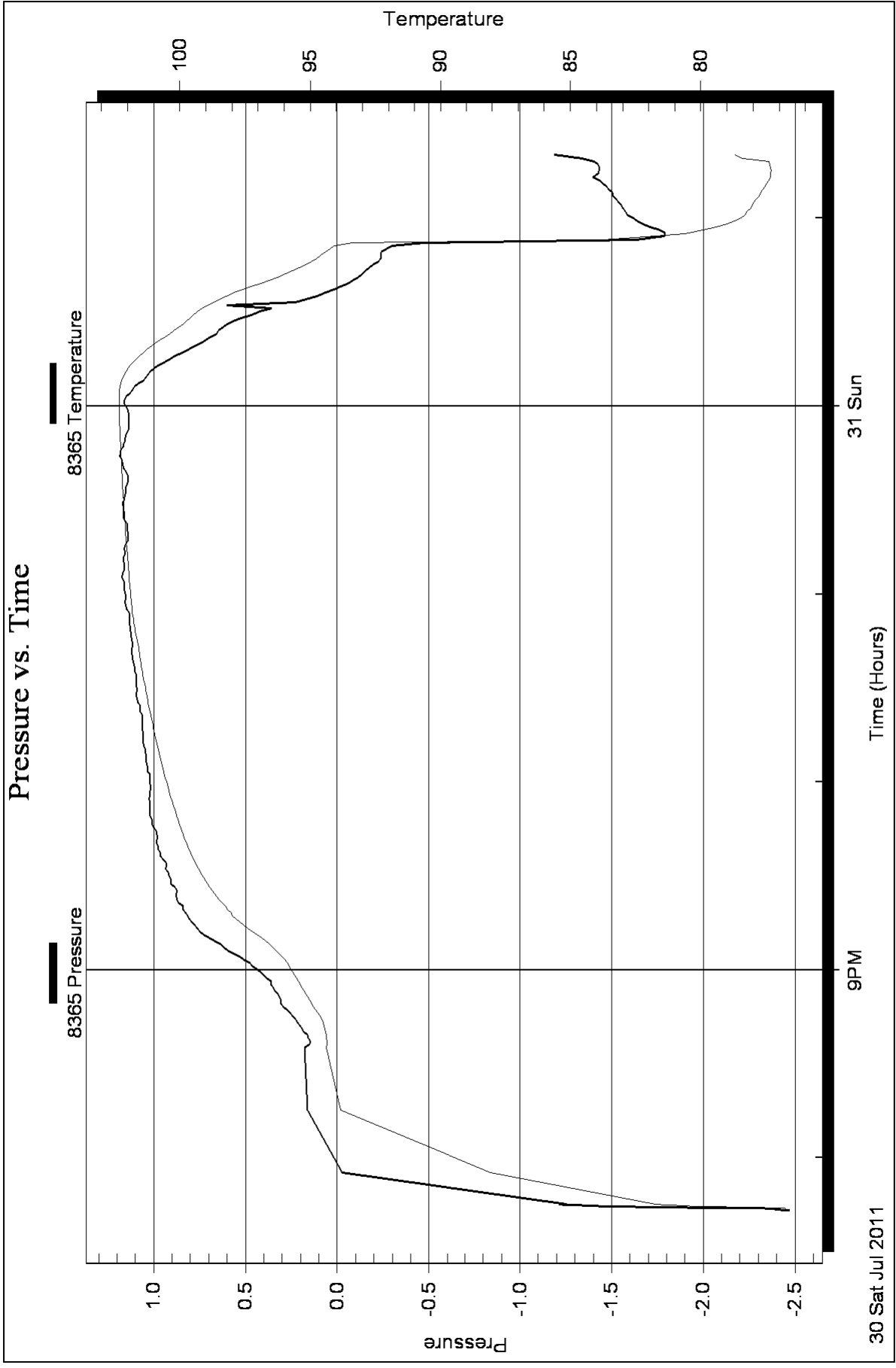
Laboratory Location:

Recovery Comments: M4000 ml, 40 lbs

Pressure vs. Time

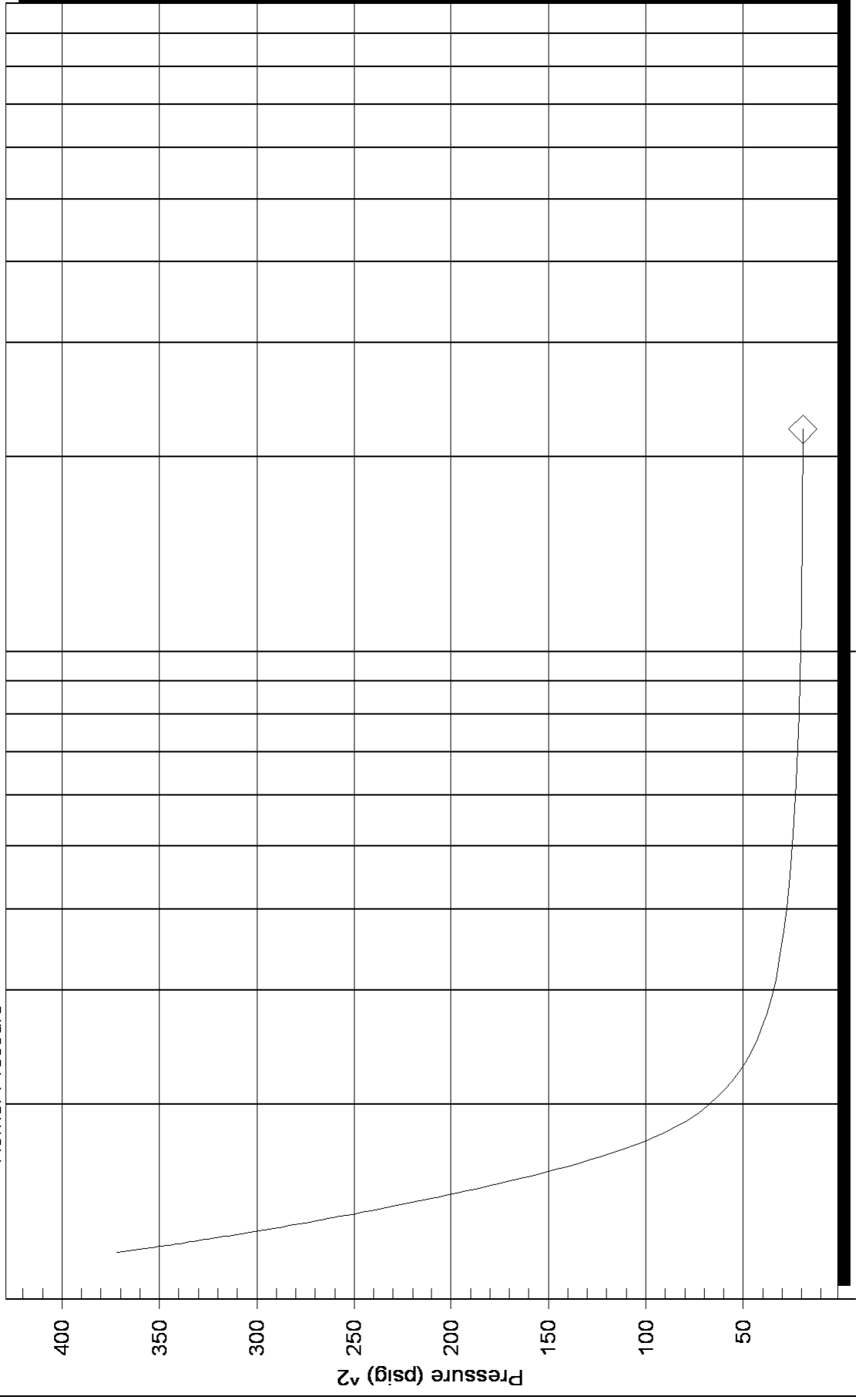






Homer Plot

Horner Pressure



Horner Time: (Twf + dt) / dt

Slope (m) : kpa/log cycle

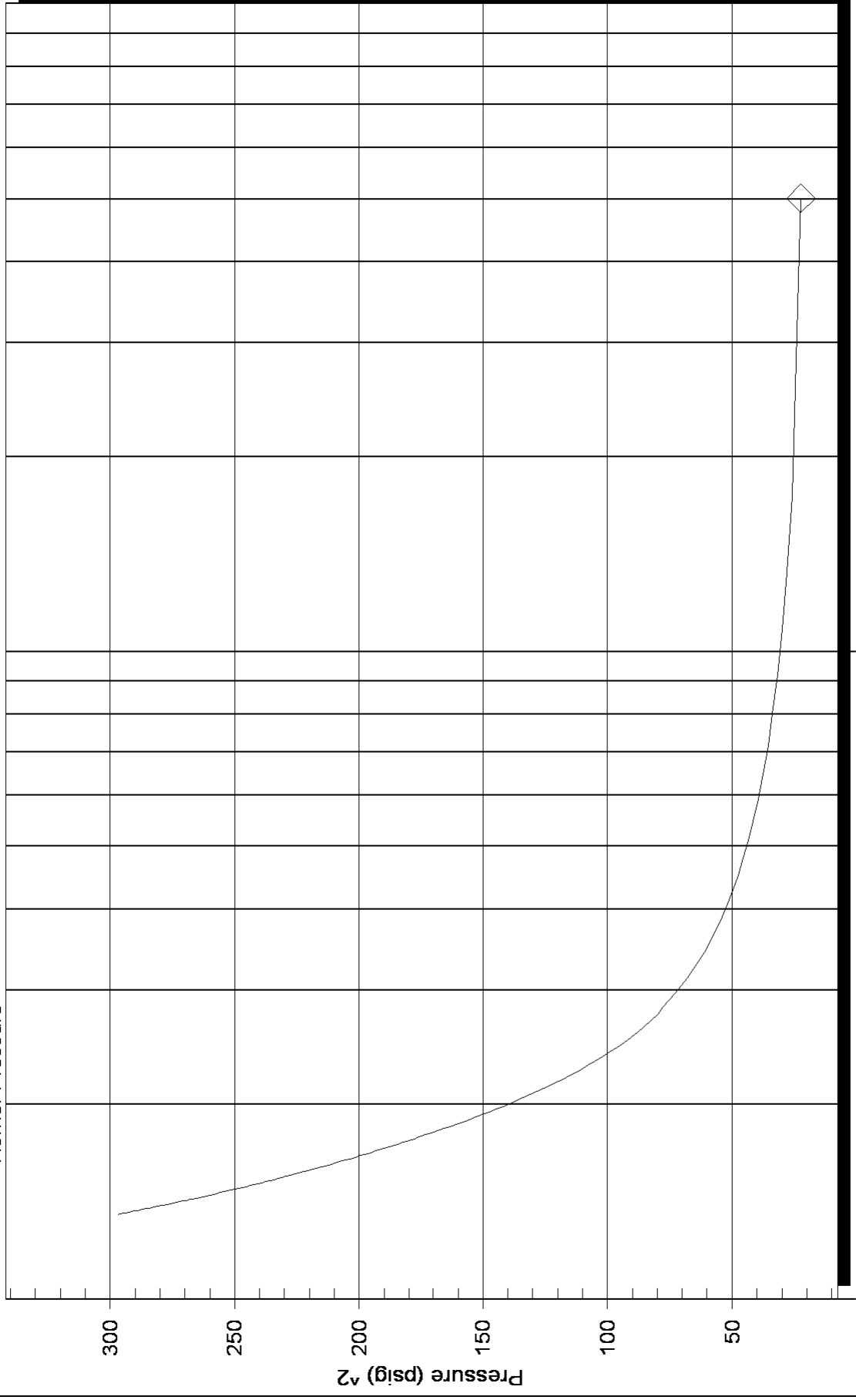
P* :

Serial Number: 8734 (Outside)

Flow Cycle: 1

Homer Plot

Horner Pressure



Horner Time: (Twf + dt) / dt

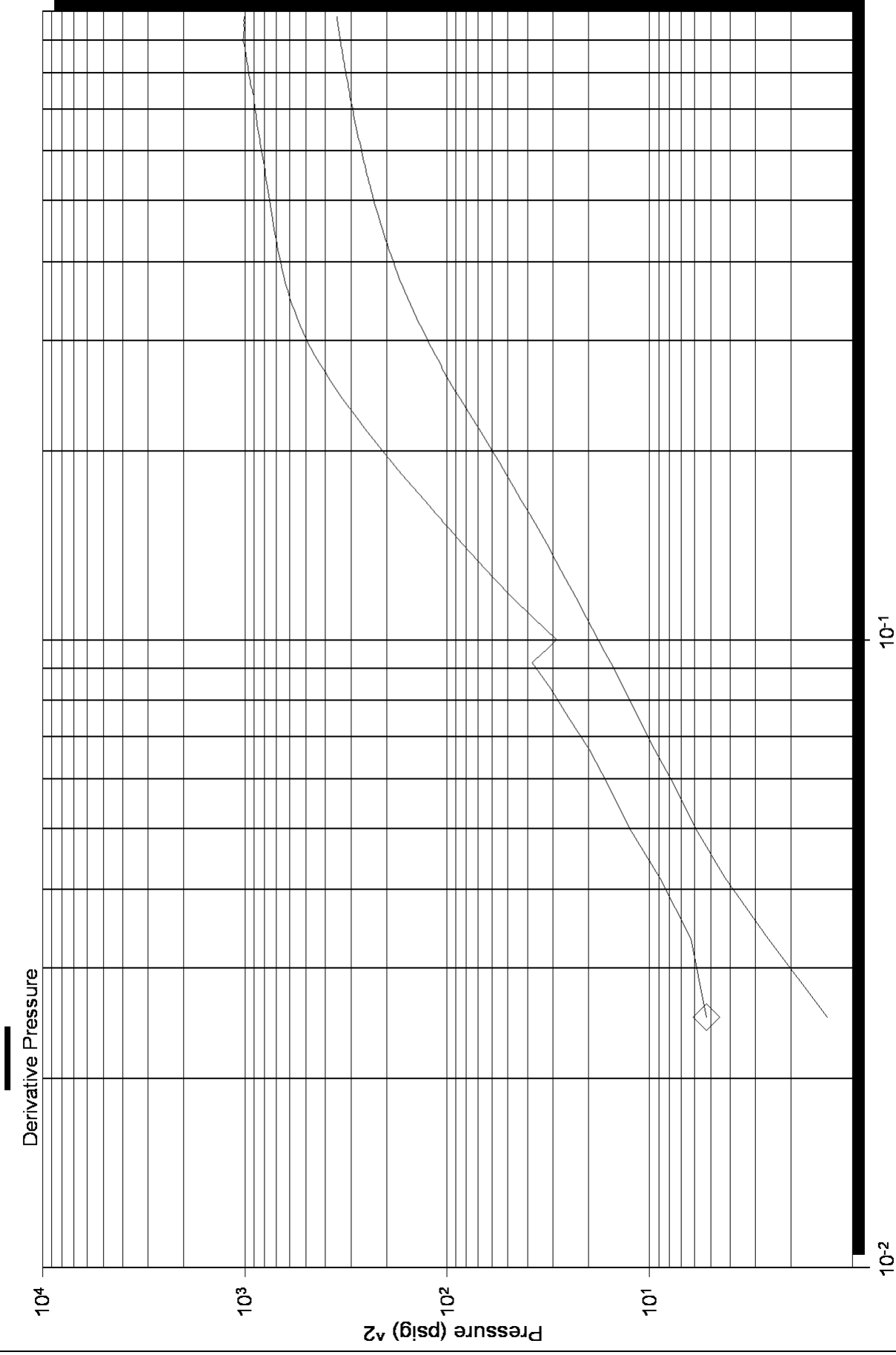
Slope (m) : kpa/log cycle

P* :

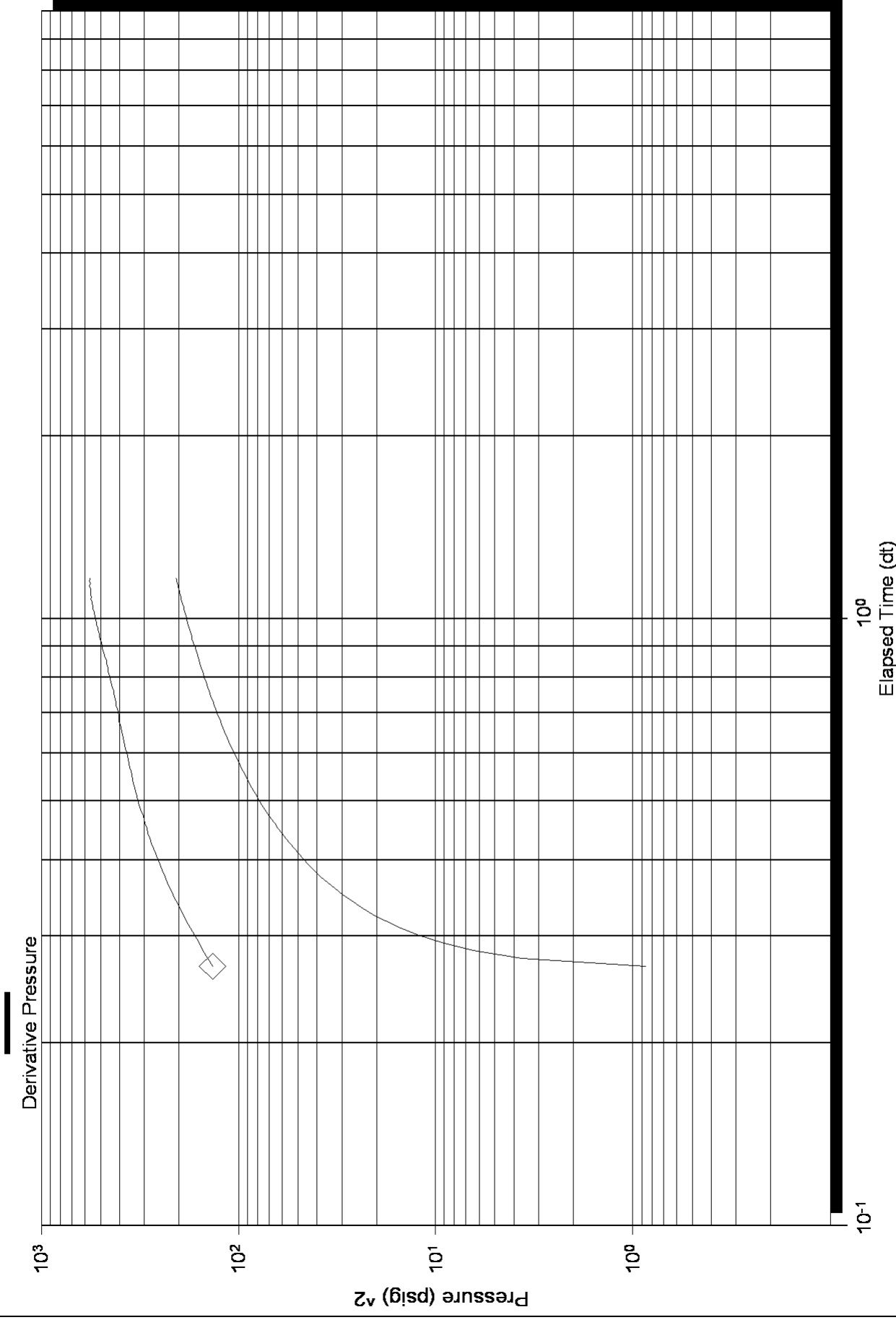
Serial Number: 8734 (Outside)

Flow Cycle: 2

Log-Log and Pseudo-Log-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. and Associates, Inc.**

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Claton Camozzi

15-16-16 Rush, Ks

Scheuerman-Hopkins et al 1-15

Start Date: 2011.07.31 @ 12:57:57

End Date: 2011.07.31 @ 18:46:27

Job Ticket #: 44159 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44159

DST#: 4

ATTN: Claton Camozzi

Test Start: 2011.07.31 @ 12:57:57

GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:39:57

Time Test Ended: 18:46:27

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3371.00 ft (KB) To 3435.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3435.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 47.29 psig @ 3406.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.31

End Date:

2011.07.31

Last Calib.:

2011.07.31

Start Time: 12:57:58

End Time:

18:46:27

Time On Btm:

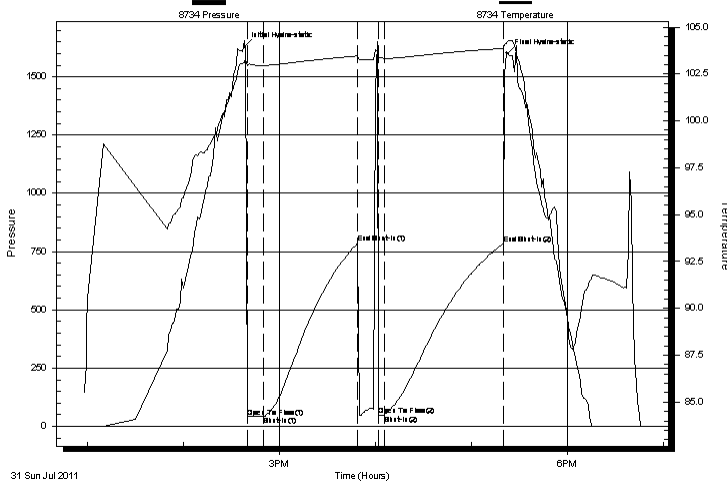
2011.07.31 @ 14:38:27

Time Off Btm:

2011.07.31 @ 17:22:27

TEST COMMENT: 10 - IFP - no blow
60 - ISI - no blow back
15 - FFP - no blow - flush tool - no blow
75 - FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

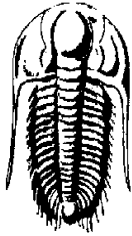
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.92	103.17	Initial Hydro-static
2	41.39	102.96	Open To Flow (1)
12	42.48	102.96	Shut-In(1)
71	785.68	103.46	End Shut-In(1)
84	46.58	103.37	Open To Flow (2)
87	47.29	103.34	Shut-In(2)
162	784.17	103.87	End Shut-In(2)
164	1600.39	104.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	drl mud 100%	0.10

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44159

DST#: 4

ATTN: Claton Camozzi

Test Start: 2011.07.31 @ 12:57:57

GENERAL INFORMATION:

Formation: LKC "H-J"

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole

Time Tool Opened: 14:39:57

Tester: Brian Fairbank

Time Test Ended: 18:46:27

Unit No: 41

Interval: 3371.00 ft (KB) To 3435.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3435.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press @ Run Depth: psig @ 3406.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.31

End Date:

2011.07.31

Last Calib.:

2011.07.31

Start Time: 12:57:56

End Time:

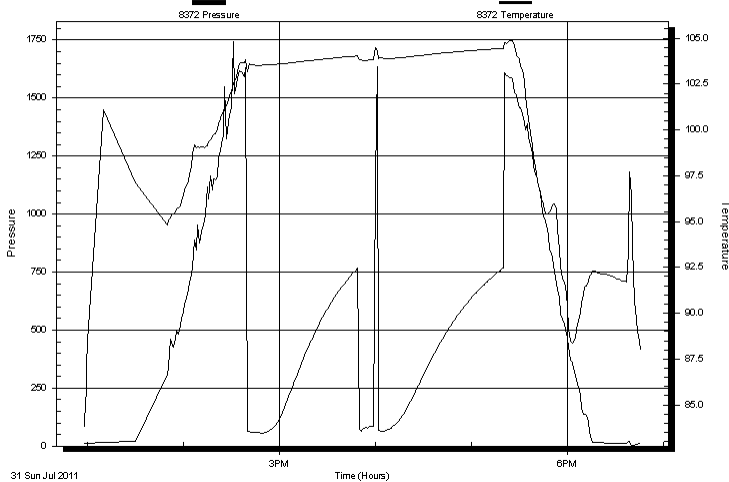
18:46:25

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IFP - no blow
60 - ISI - no blow back
15 - FFP - no blow - flush tool - no blow
75 - FSI - no blow back

PRESSURE SUMMARY



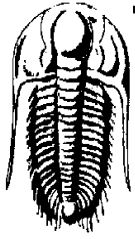
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
20.00	drl mud 100%	0.10

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44159

DST#: 4

ATTN: Claton Camozzi

Test Start: 2011.07.31 @ 12:57:57

GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:39:57

Time Test Ended: 18:46:27

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3371.00 ft (KB) To 3435.00 ft (KB) (TVD)**

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3435.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8365

Fluid

Press @ Run Depth: psig @ 3337.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.31 End Date: 2011.07.31

Last Calib.: 2011.07.31

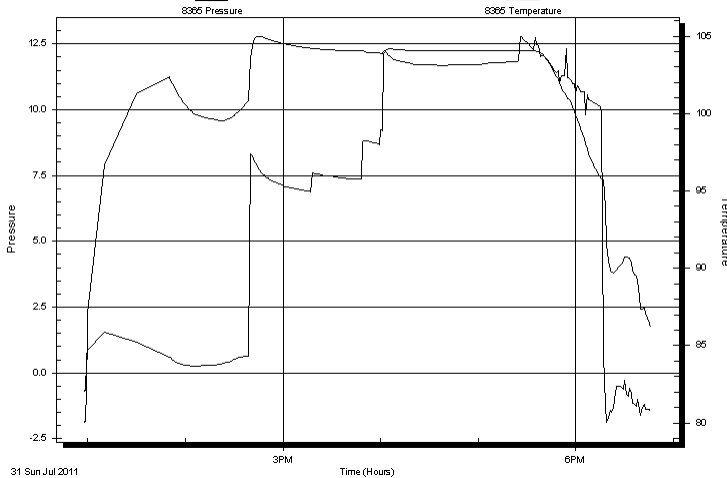
Start Time: 12:57:59 End Time: 18:45:58

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IFP - no blow
60 - ISI - no blow back
15 - FFP - no blow - flush tool - no blow
75 - FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	drl mud 100%	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44159

DST#: 4

ATTN: Claton Camozzi

Test Start: 2011.07.31 @ 12:57:57

Tool Information

Drill Pipe:	Length: 3315.00 ft	Diameter: 3.80 inches	Volume: 46.50 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 46.65 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3371.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Recorder	0.00	8365	Fluid	3337.00	
Blank Spacing	5.00			3342.00	
Shut In Tool	5.00			3347.00	
Sampler	2.00			3349.00	
Hydraulic tool	5.00			3354.00	
Jars	5.00			3359.00	
Safety Joint	2.00			3361.00	
Packer	5.00			3366.00	34.00 Bottom Of Top Packer
Packer	5.00			3371.00	
Stubb	1.00			3372.00	
Perforations	2.00			3374.00	
Change Over Sub	1.00			3375.00	
Blank Spacing	31.00			3406.00	
Recorder	0.00	8372	Inside	3406.00	
Recorder	0.00	8734	Outside	3406.00	
Change Over Sub	1.00			3407.00	
Perforations	25.00			3432.00	
Bullnose	3.00			3435.00	64.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Scheuerman-Hopkins et al 1-15

1515 Wynkoop St. Ste 700
Denver, CO 80202

15-16-16 Rush, Ks

Job Ticket: 44159

DST#: 4

ATTN: Claton Camozzi

Test Start: 2011.07.31 @ 12:57:57

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

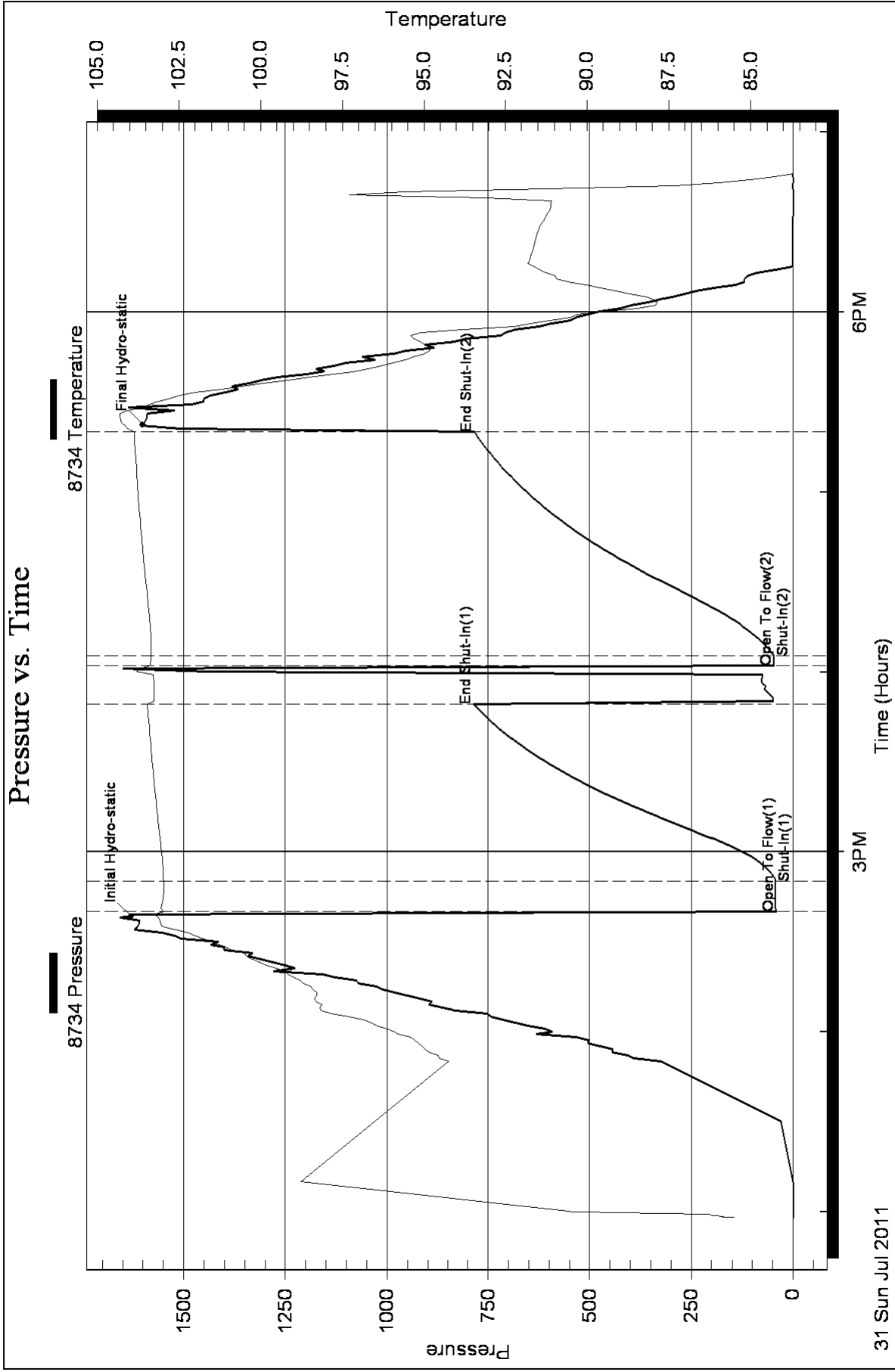
Length ft	Description	Volume bbl
20.00	drl mud 100%	0.098

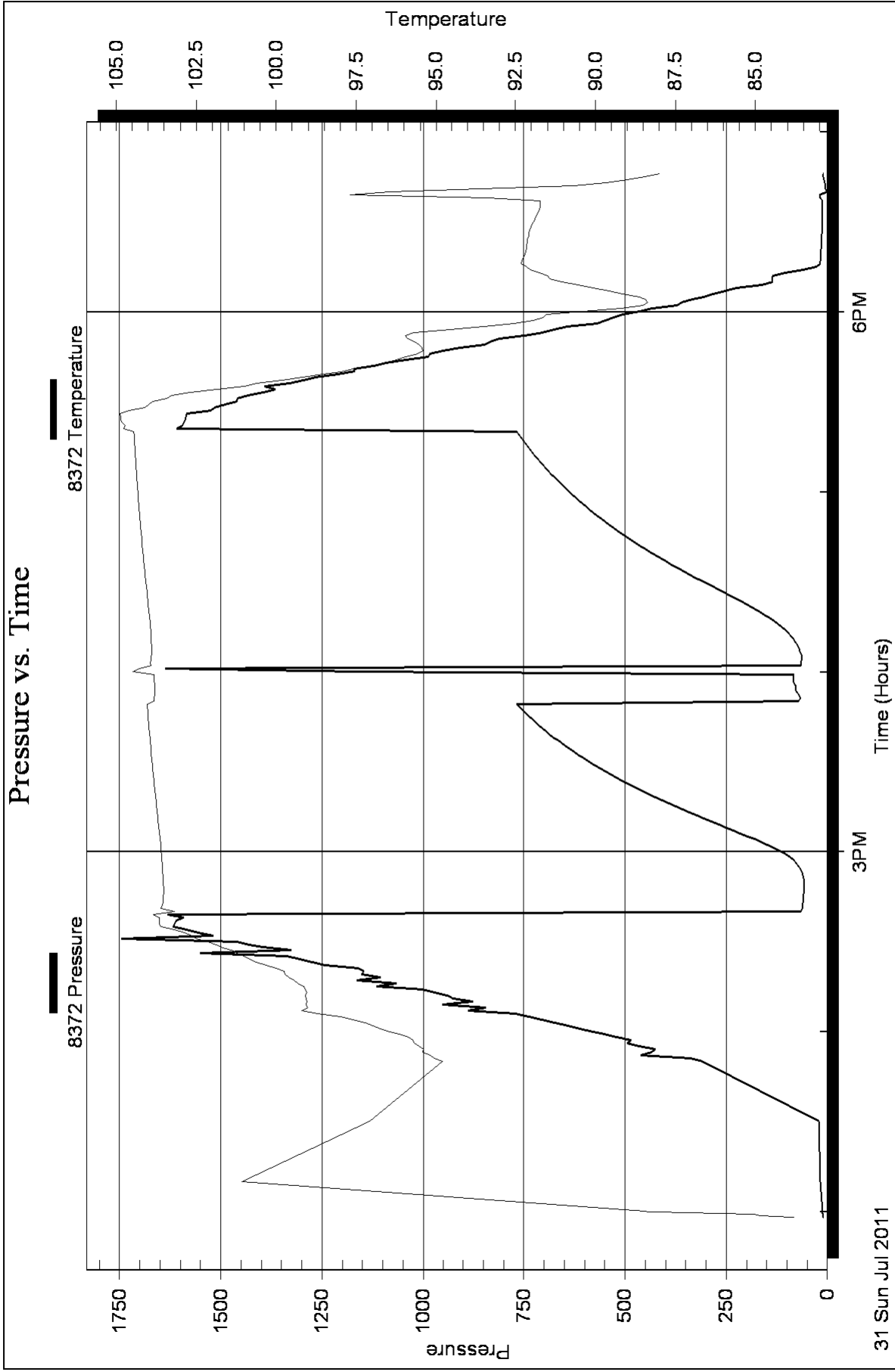
Total Length: 20.00 ft Total Volume: 0.098 bbl

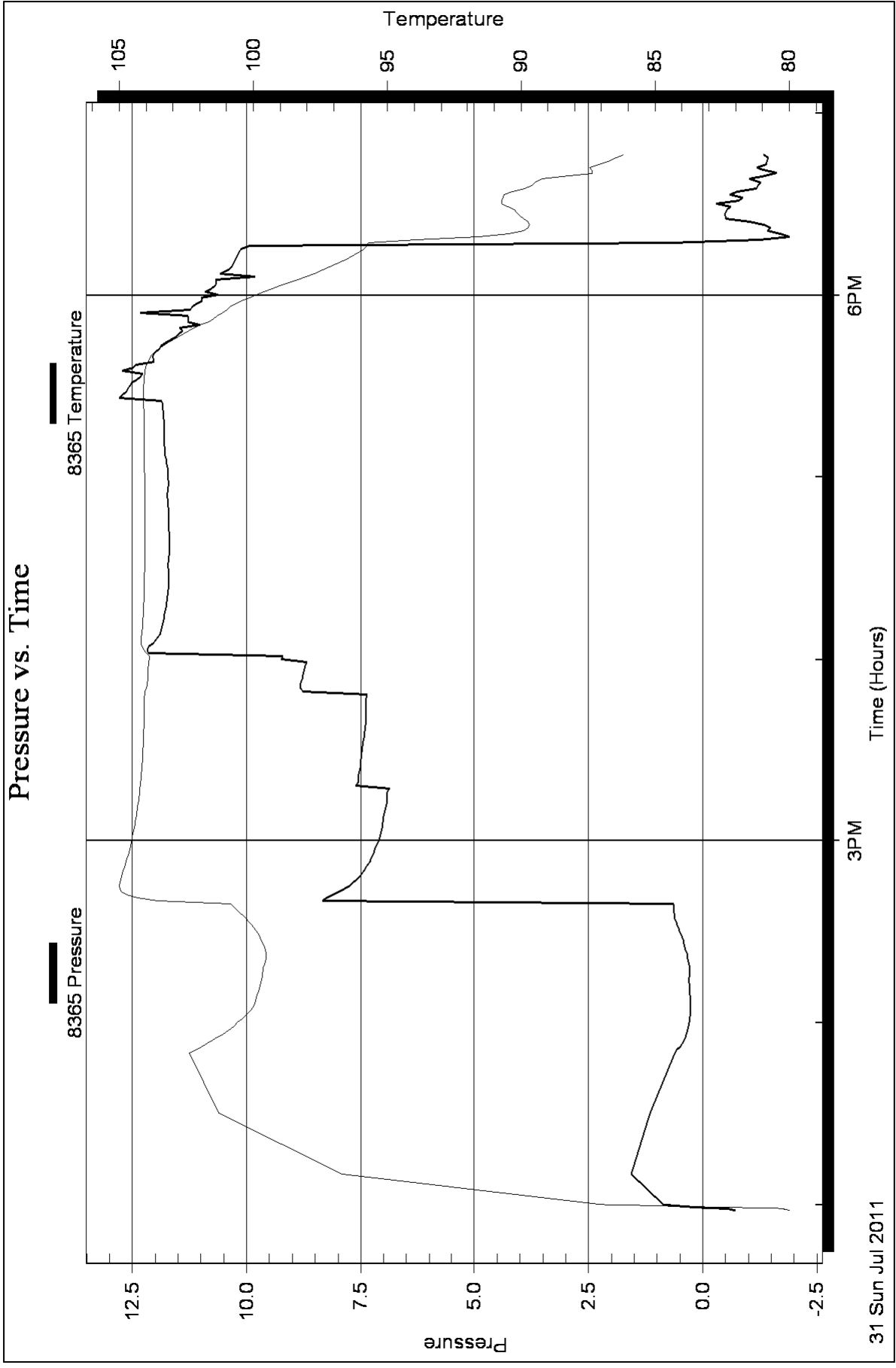
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

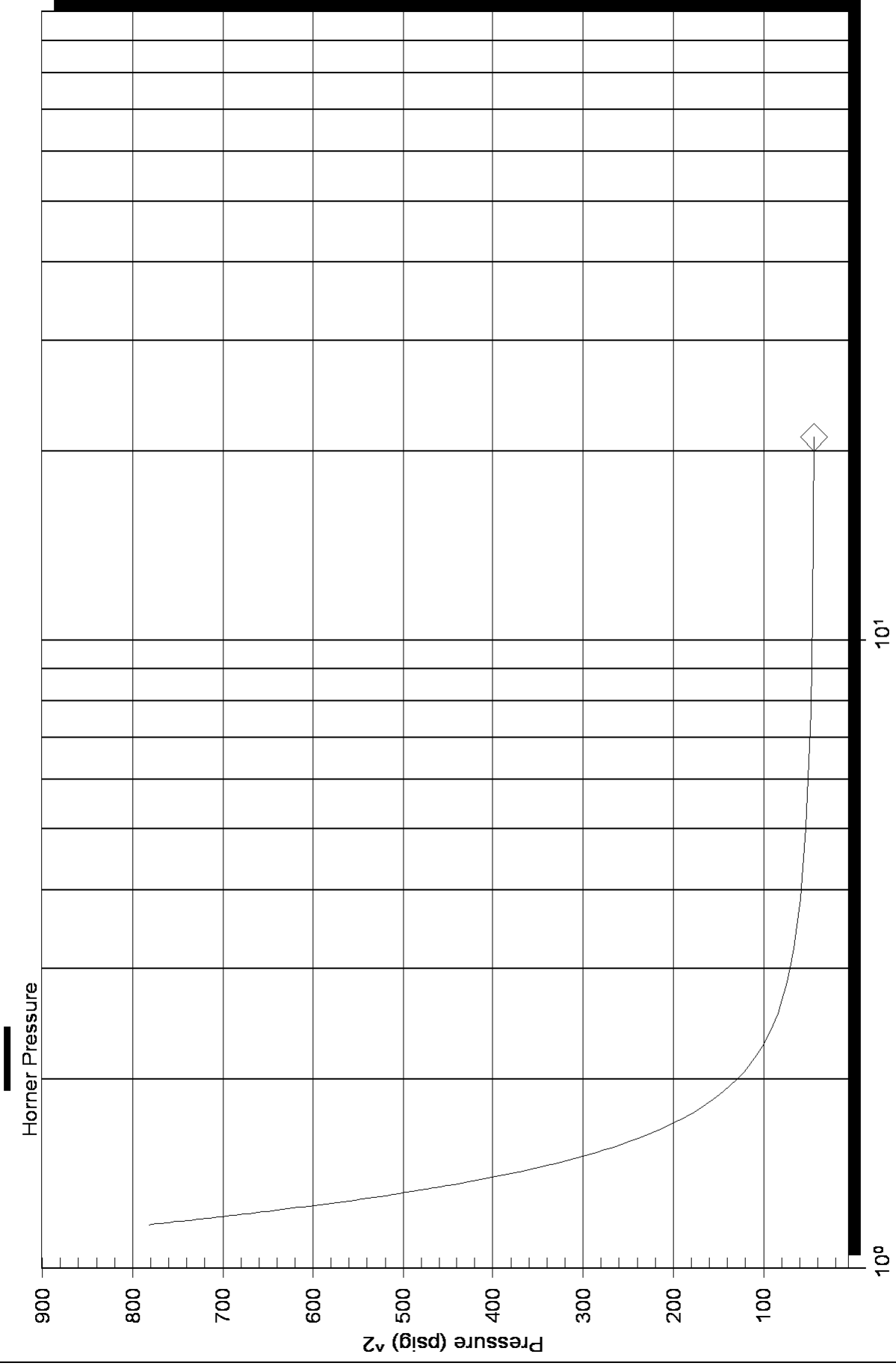
Recovery Comments: 4000 ml mud, 40 lbs



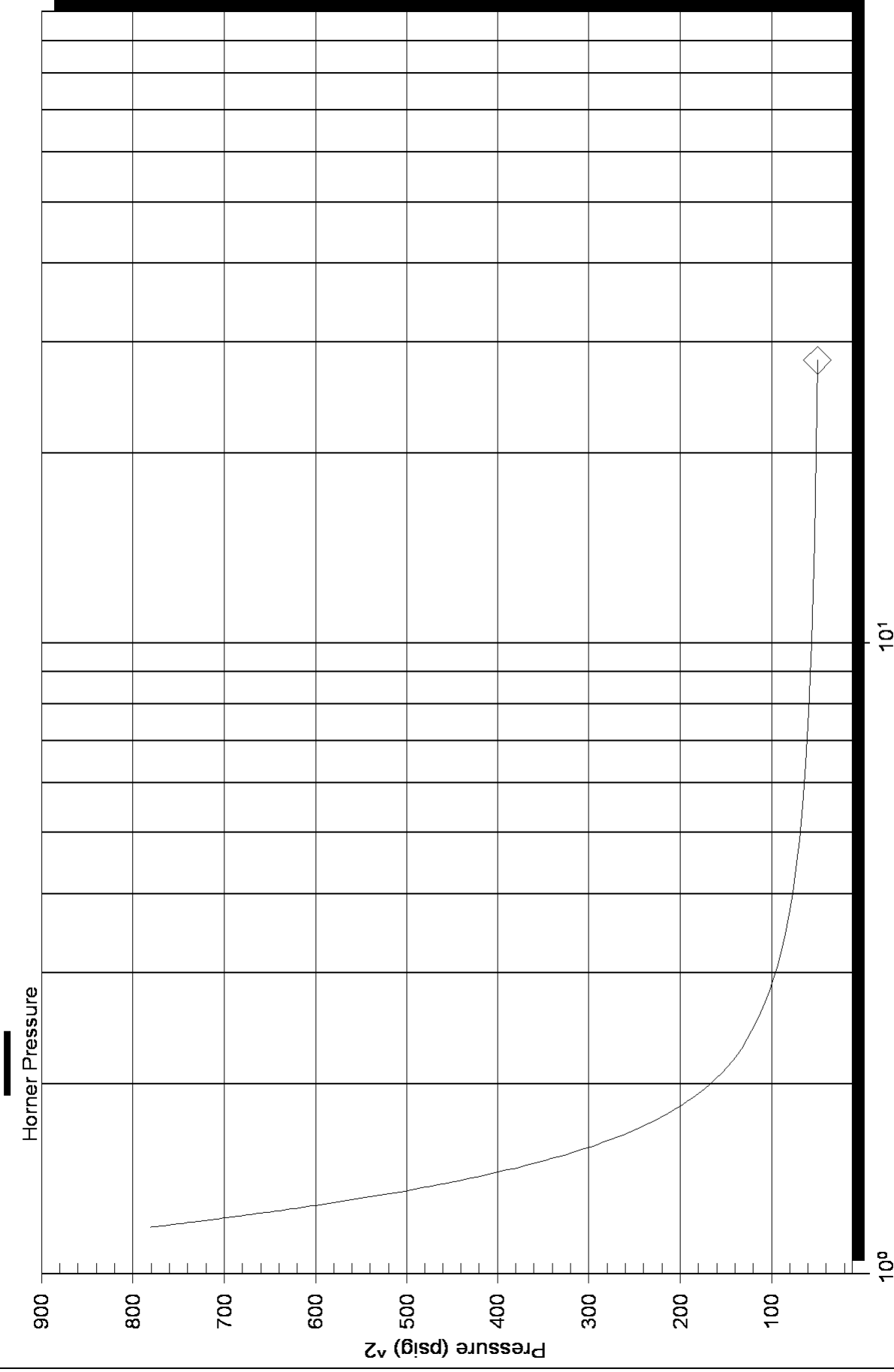




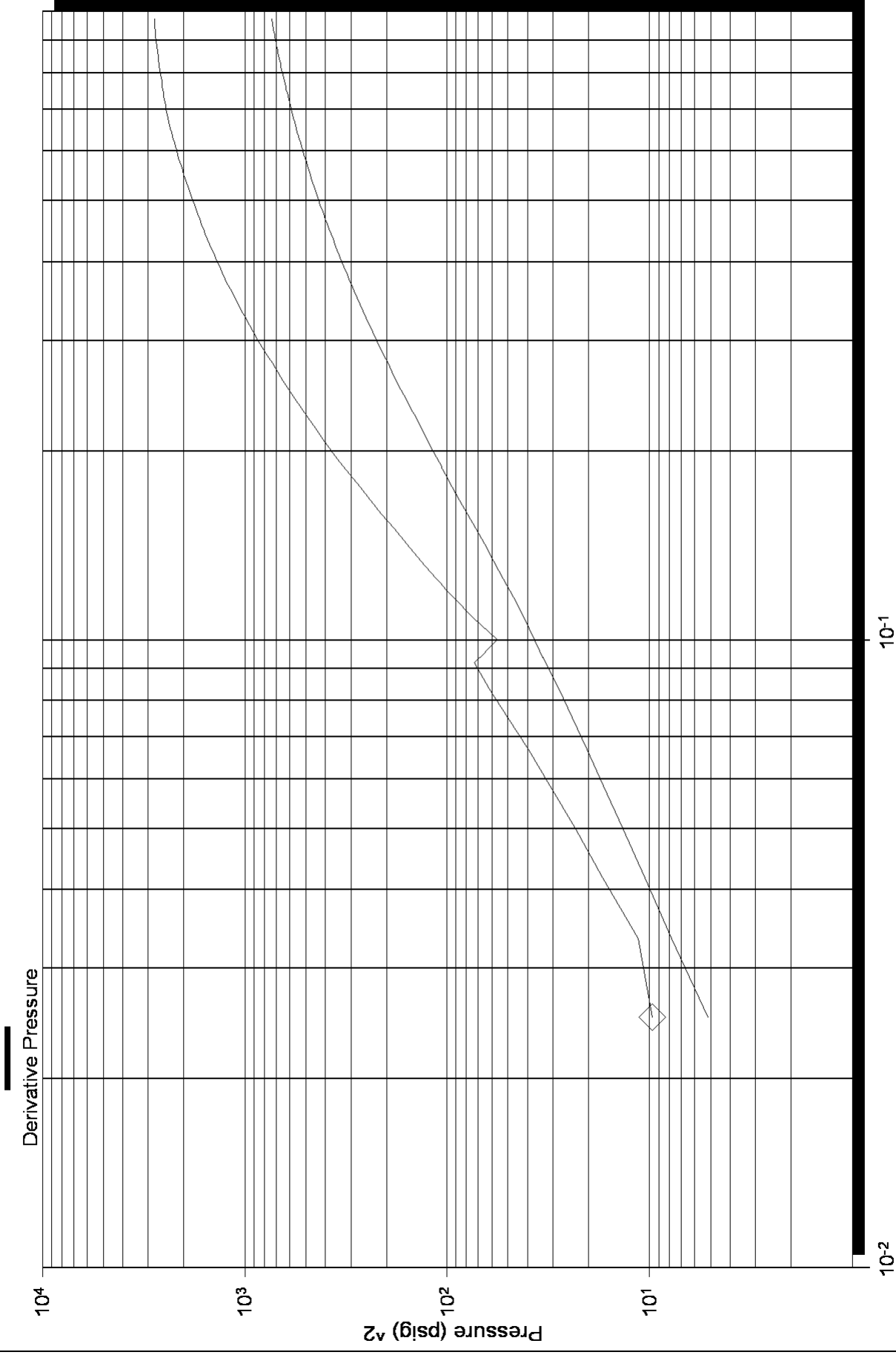
Homer Plot



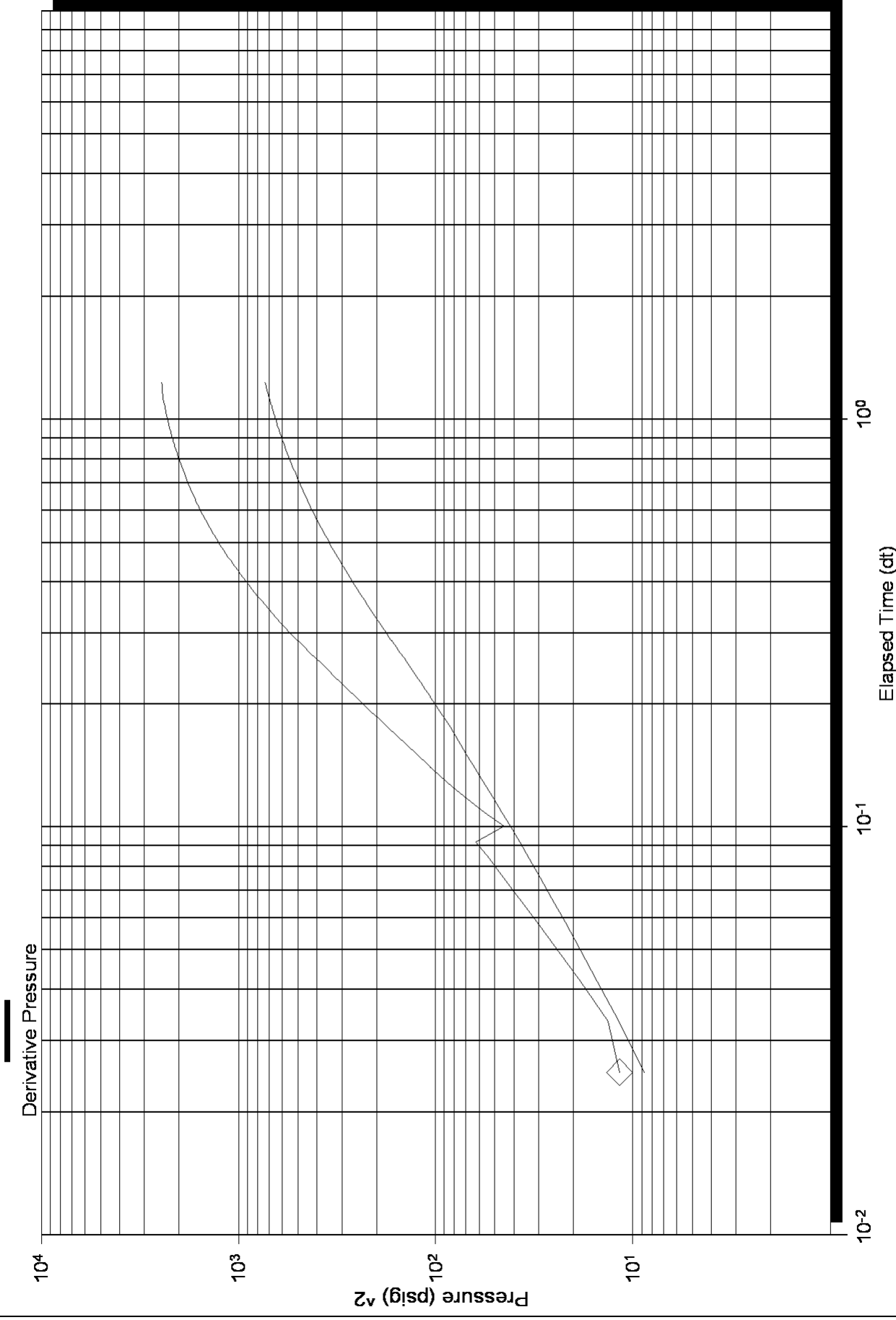
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





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

Well Name: Scheuerman-Hopkins et al 1-15
 Location: Sec 15- T16S- R16W Rush county, kansas
 License Number: 15-165-21929
 Spud Date: 7/25/2011
 Surface Coordinates: 900 FSL / 100FEL
 Region: WILDCAT
 Drilling Completed: 8/01/2011

Bottom Hole Coordinates:
 Ground Elevation (ft): 1935' K.B. Elevation (ft): 1943'
 Logged Interval (ft): 1800' To: 3650' Total Depth (ft): 3650'
 Formation: Lansing, 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

DSTs

DST #1, 3253'-3283', MISS RUN.

DST #2, 3253'-3283', 10,60,40,120
 IFP-WEAK BLOW THROUGHOUT 1/4"-1", ISI-NO BLOW BACK, FF-NO BLOW 18 1/4", FSI- NO BLOW BACK,
 IH-1539, FH-1522, FIF-82, FFF-81, SIF-85, SFF-82, ISI-716, FSI-702, TOTAL REC- 110', 70% WATER, AN 30%
 MUD

DST #3, 3300'-3335', 10,60,15,70
 IFP- SUR- BLOW DIED 5 MIN, ISI-NO BLOW BACK, FF-NO BLOW, FSI- NO BLOW BACK, IH-1578, FH-1548,
 FIF-18, FFF-20, SIF-66, SFF-90, ISI-373, FSI-298, TOTAL REC- 4', 100% MUD

DST #4, 3371'-3435', 10,60,15,75
 IFP- NO BLOW, ISI-NO BLOW BACK, FF-NO BLOW, FSI- NO BLOW BACK, IH-1629, FH-1600, FIF-41, FFF-42,

ROCK TYPES

Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal
 Congl
 Dol

Gyp
 Igne
 Lmst
 Meta
 Mrlst
 Salt
 Shale
 Shcol

Shgy
 Sltst
 Ss
 Till
 Carb sh
 Dol
 Dtd
 Gry sh

Sandylms
 Shale
 Sltstn
 Shlyslts
 Sltyslts
 Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

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

FOSSIL

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

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

STRINGER

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

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

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

Angular

OIL SHOWS

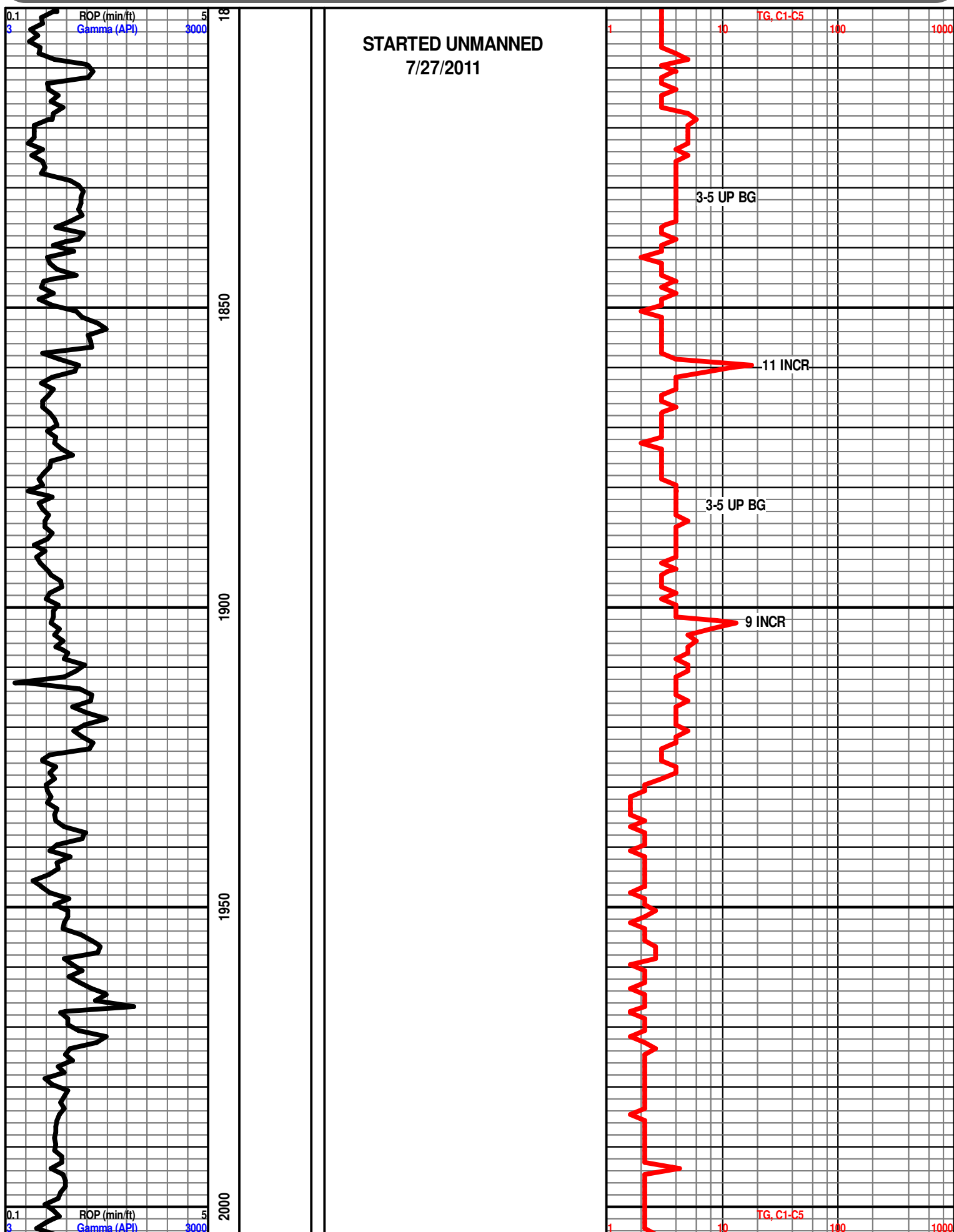
- Even
- Spotted
- Ques
- Dead
- Gas show

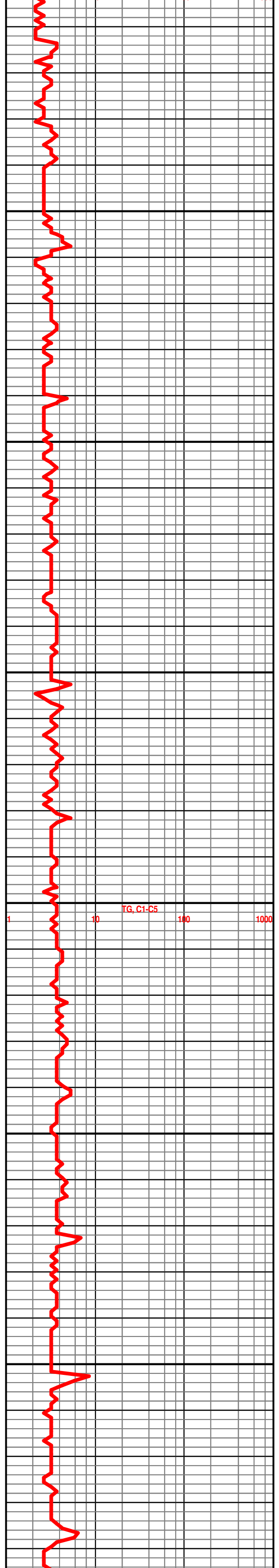
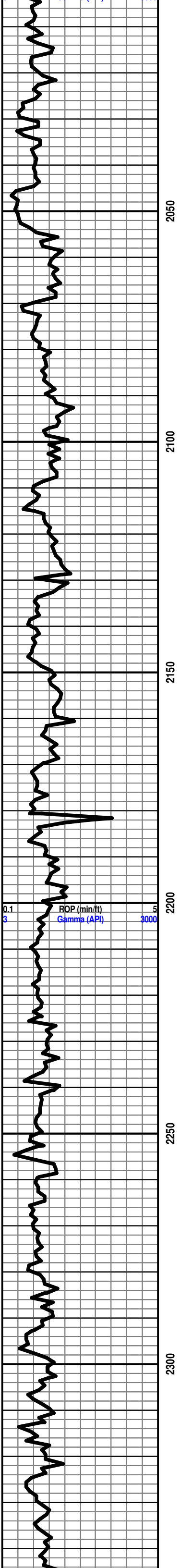
INTERVALS

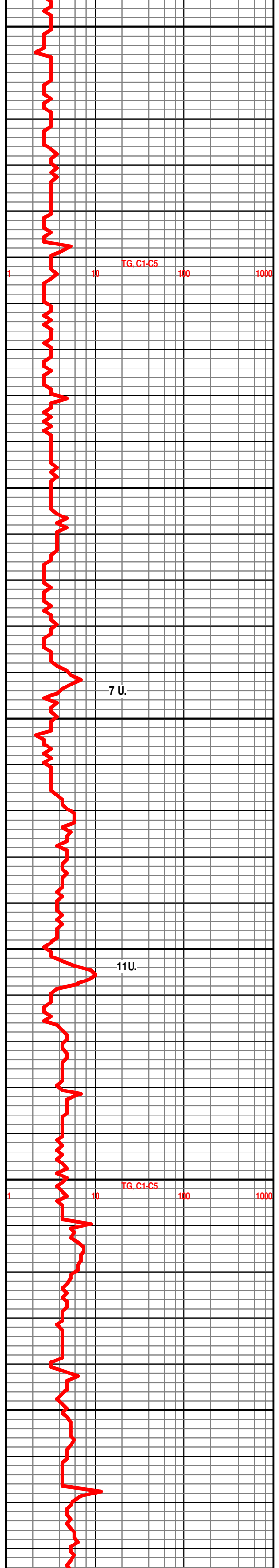
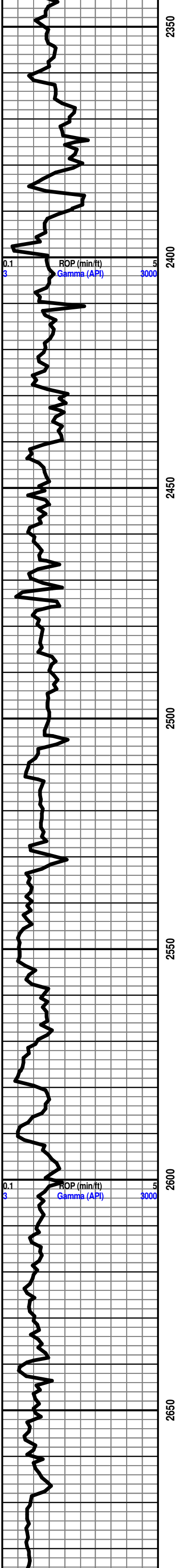
- Core
- Dst
- Dst

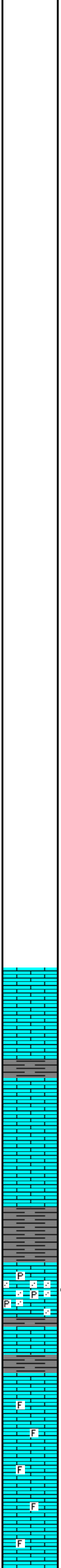
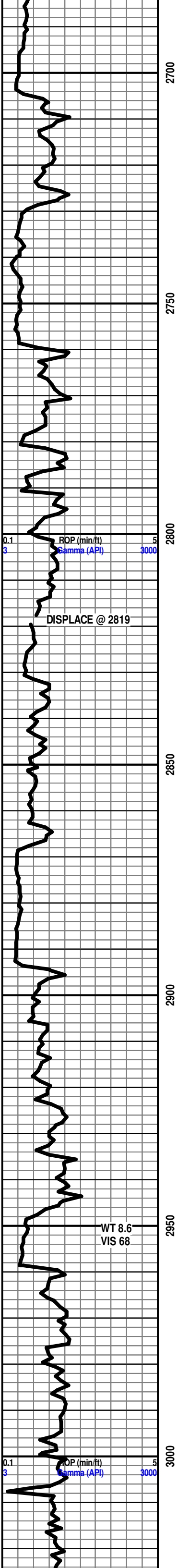
EVENTS

- Rft
- Sidewall









BASE ROOT SH 2704' - 761'

LS- CRM LT TN TN- HD DNS BRITT, MD-F-XLN RE-XLN MTRX, FOSS FRGS IP, TR IMBD SH IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO LT GRN- FM BLKY SMTH TXT , SLI SLTY TXT IP

LS- CRM LT TN- HD DNS, F-XLN TO TT SIUCRO MTRX IP, SLI TR FOSS FRGS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SEVERY 2944' - 1001'

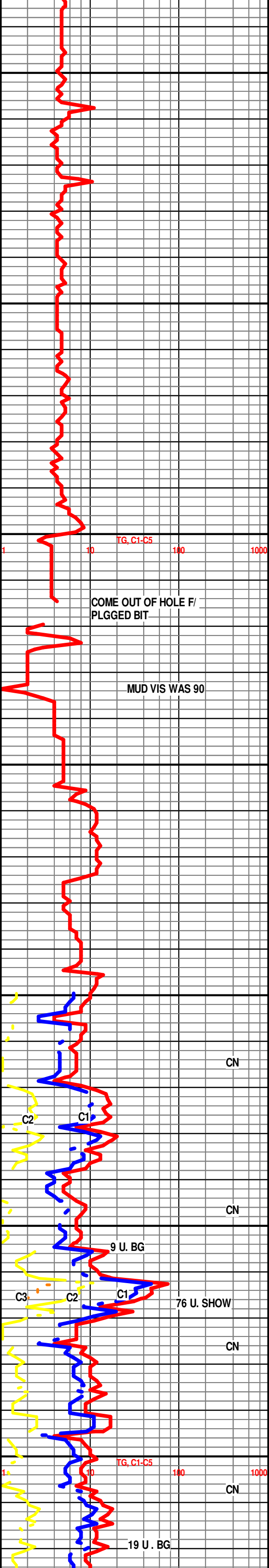
SH- LT GY GY- FRM TO V/ SFT SLTY TXT THRU,

TOPEKA 2958' - 1015'

LS- LT TN TN- (TN STN IN 80%) HD V/ BRITT, V/ FN SUCRO MTRX, V/ AREN TO SNDY, V/V/F-GRN QURTZ,ABDT IMBD FNLY DISS PYR THRU, BRIT YEL GLD FLO IN 70%, NO VIS POR, FR TO FL SH CUT TO FR TO GD SLO MLKY BLU STRM , LT OIL ODOR, FR ACID CUT

LS- OFF WHT CRM BF- HD DNS TO BRITT, MD-XLN TO TT SUCRO MTRX, TR IMBD SH IP, TR FOSS FRGS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM - HD DNS TO BRITT, MD-XLN TO SUCRO MTRX, HVY TR ABDT SFT WHT CHLK IP, TR FOSS FRGS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW



COME OUT OF HOLE F/ PLGGED BIT

MUD VIS WAS 90

C2

C1

C3

C2

C1

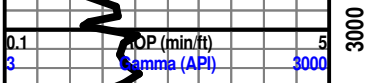
9 U. BG

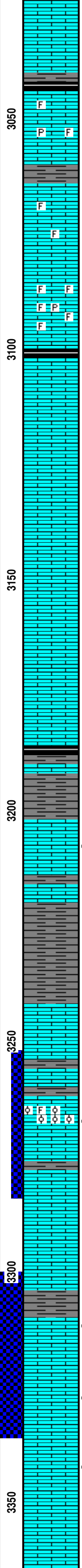
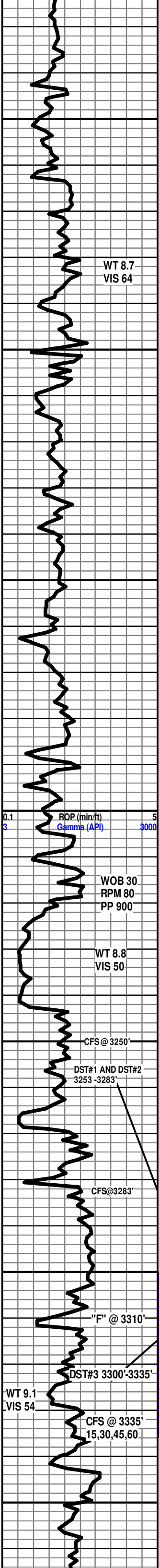
76 U. SHOW

19 U. BG

START MANNED UNIT 7/28/2011

WT 8.6
VIS 68





LS- CRM LT TN TN- HD DNS MD-F-XLN RE-XLN IP, TR IMBD SH, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- BLK SFT CARB

LS- CRM LT TN TN- HD DNS F-XLN TO MD-XLN IP, RE-XLN IP, TR FOSS FRGS SCAT THRU, SML CALC XLS IMBD, HVY TR IMBD DISS PYR IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

LeCOMPTON 3063' - 1120'

LS- WHT OFF WHT CRM- HD DNS F-V/F-XLN CRYPTO-XLN IP, TR IMBD FOSS IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM LT GY- HD TO BRITT, MD-F-XLN RE-XLN MTRX, V/ FOSS THRU, HVY TR IMBD SFT CHLK IP, TR PYR IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- BLK SFT CARB

LS- OFF WHT CRM - HD TO MD HD, V/ TT SUCRO MTRX TO SUCRO SLI S-CHLKY IP, TR FOSS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM BFF- HD DNS MD-F-XLN RE-XLN IP, SMLL CALC XLS IP, SLI TR S-CHLKY, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM BFF LT TN - HD DNS TO BRITT IP, MD-F-XLN SUCRO IP, TR FOSS FRGS IP, SLI TR FREE FOSS, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT WHT- CRM, HD DNS IP TO BRITT, MD-XLN RE-XLN TO SUCRO S-CHLKY IP TO V/ CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3186' - 1243'

SH- BLK SFT CARB

SH- GY LT GY- FRM BLKY IP TO HD SPLNTY

LS- WHT OFF WHT- HD TO MD HD, V/ SUCVRO MTRX, V AREN LOOKING TXT S-CHLKY IP, ABDT SMLL CALC XLS IMBD IP, HVY TR WHT CHRT, BRIT YEL GLD FLO IN 10%, NO VIS POR, NO FLUSH CUT TO TR V/PR SLO STRM CUT IN 5%, TR FLEETING ODOR

DOUGLAS 3219' - 1276'

SH- LT GY TO LT GRN- FRM BLKY IP TO V/ SFT SLTY TXT TO SLI TR SLTST- LT GRN

LANSING 3242' - 1299'

LS- CRM BFF- HD DNS TO TR BRITT, MD-XLN S-SUCRO IP, TR IMBD SMLL CALC XLS, NO FLO, NO VIS POR, NO VIS SHOW

LANSING "C" 3263' - 1320'

3264 - 3269' LS- CRM LT TN (LT TN OIL STN IN 50%) HD V/ BRITT, MD-XLN, V/RE-XLN MTRX, V/ MICRO OOL, IN 80%, SMLL CALC XLS IMBD IP, TR SCAT FOSS FRGS IP, SLI TR SFT CHLK IMBD IP, BRIT YEL GLD FLO IN 50%, DLL YEL GLD FLO IN 50%, GD VIS INTER OOL POR IN 70%, SCAT MICROVG POR IN 20%, NO FLUSH CUT TO PR TO FR SLO STRM CUT, NO ODOR

3280' LS- OFF WHT CRM MD HD TO FRM, MD-XLN IP TO V/ FRM CHLK THRU, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

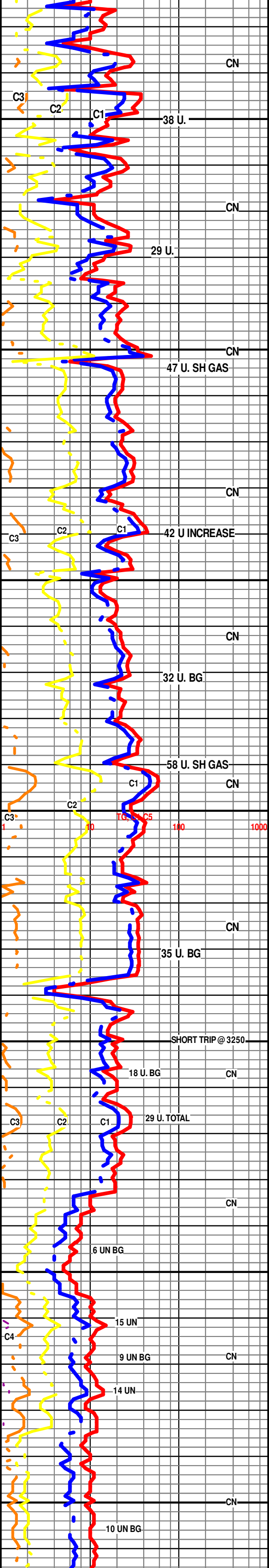
LS- CRM OFF WHT LT TN, HD DNS TO BRITT, FNR TO MD XLN TO REXLN MTRX SCAT IP, TR FRM WHT CHLK SCAT THRU, IMBD CALC XLS SCAT IP, DLL YEL FLO IN 30%, TR PR MICRO PP POR, NO VIS POR, NO VIS SHOW

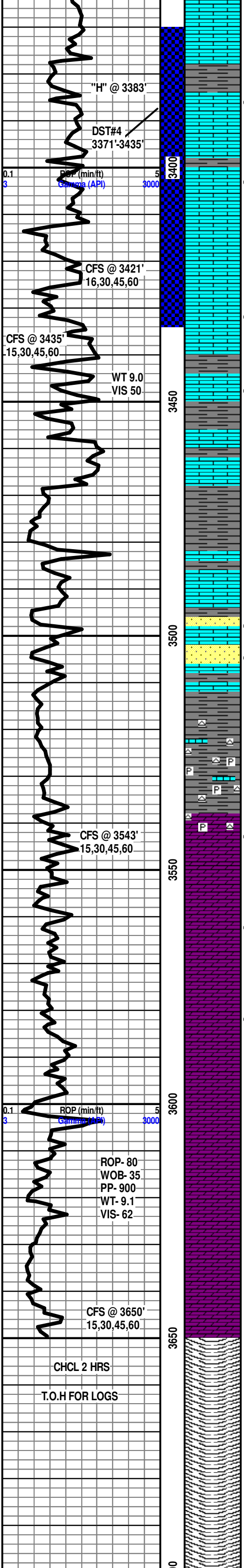
LS- CRM LT TN TO TN, STAIN IN 45%, FN TO MD XLN TO REXLN MTRX THRU, IMBD CALC XLS SCAT IP, IMBD OOL SCAT THRU, TR IMBD FOSS FRGS IP, DLL TO BRIT YEL FLO IN 50%, GD OOLCST TO TR PR VUG POR, FR FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 15%, PR OIL ODOR

LS- CRM OFF WHT WHT LT TN, STAIN IN 30%, HD DNS TO BRITT, FN XLN TO REXLN MTRX IP, SUCRO TXT IP, IMBD CALC XLS SCAT THRU, SLI TR IMBD OOL SCAT IP, TR FRM TO SFT WHT CHLK SCAT THRU, DLL YEL TO BRIT FLO IN 25%, FR TO TR GD INTR-XLN TO PR TR MICRO PP POR, FR INST FLUSH CUT THRU TO GD SLOW MLKY BLUE STREAM CUT IN 30%, FR OIL ODOR, V/LT TN STAIN ON DISH

LS- CRM OFF WHT WHT LT TN, STAIN IN 10%, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX IP, IMBD CALC XLS SCAT IP, SLI TR IMBD OOL SCAT IP, TR FRM TO SFT WHT CHLK SCAT THRU, DLL YEL FLO IN 25%, FR INTR-XLN TO PR MICRO PP POR, FR INST FLUSH CUT THRU TO NO STREAM CUT, NO ODOR

LS- CRM OFF WHT WHT LT TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX IP, IMBD CALC XLS SCAT IP, TR FRM





WHT CHLK SCAT IP, SLI TR DISS PYR SCAT THRU, DLL YEL FLO IN 30%, PR MICRO PP POR, NO VIS CUT NO VIS SHOW, NO ODOR

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

LS- CRM OFF WHT TO WHT LT TN, LT STAIN IN 25%, HD DNS TO BRITT, MD XLN TO REXLN MTRX THRU, IMBD CALC XLS SCAT THRU, SLI TR FRM CHLK SCAT IP, SLI TR IMBD FOSS FRAGS, V/SLI TR DISS PYR IP, DLL GLD FLO IN 30%, FR TO GD INTR-XLN TO SLI TR FR VUG POR, FR FLUSH CUT THRU TO SLOW WEAK MLKY BLUE STREAM CUT IN 30%, FR OIL ODOR, NO STAIN ON DISH

LS- CRM TN TO DK TN, STAIN IN 60%, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS SCAT IP, SLI TR IMBD FOSS FRAGS, V/SLI TR IMBD OOL IP, DLL GLD THRU TO BRIT YEL IN 15%, FR TO GD INTR-XLN TO GD VUG TO V/SLI TR FR OOLCST POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 50%, GD OIL ODOR, TN STAIN ON DISH

LS- CRM OFF WHT LT TN TO TN, STAIN IN 10%, HD DNS TO BRITT, MD XLN TO REXLN MTRX THRU, IMBD CALC XLS SCAT IP, SLI TR IMBD FOSS FRAGS, DLL GLD FLO IN 10%, FR INTR-XLN POR, PR FLUSH CUT TO THRU TO FR MLKY BLUE STREAM CUT IN 15%, PR ODOR

B K C @ 3468' -1525'

SH- GRY TO DK GRY TR RDISH BRN, SFT TO GUMMY IP, BLKY

LS- CRM OFF WHT TO WHT LT TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, IMBD CALC XLS THRU, FOSS FRAGS SCAT THRU, GLD YEL FLO THRU, TR PR INTR-XLN POR, NO VIS CUT, NO VIS SHOW

SS- LT FRSTY CLR, TN, STAIN IN 35%, HD TT TO TR FRI IP, FRSTY GRNS TO TN GRNS, FN GRN, S/RND TO S'ANG, FR SRT, V/CALC TO LMY CMNT, DLL YEL GLD FLO IN 20%, FR TO GD INTR-XLN POR, FR FLUSH CUT THRU TO FR SLOW MLKY BLUE STREAM CUT IN 10%, NO ODOR

SH- GRY TO DK GRY RDISH BRN, SFT TR GUMMY, BLKY, RD YELISH WHT CHRT THRU, SLI LIMY

ARBUCKLE @ 3538' - 1595'

DOL- GRISH WHT OFF WHT LT TN, HD DNS TO BRITT, FN TO MD XLN, REXLN MTRX THRU, IMBD ABDT SM TO MD ANG DOL GRNS, V/SLI TR FRM WHT CHLK, TR YELISH WHT CHRT SCAT IP, TR DISS PYR IN 20%, GLD FLO THRU TO SCAT BRIT GLD FLO IN 20%, FR TO GD INTR-XLN TO GD INTR-XLN POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 40%, FR OIL ODOR, TN STAIN ON DISH

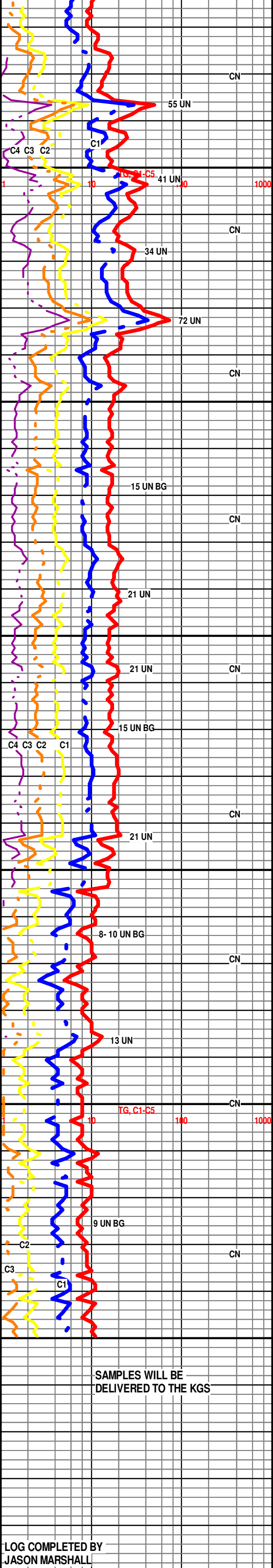
DOL- WHT OFF WHT LT TN, HD DNS TO BRITT, MD XLN, REXLN MTRX THRU, IMBD ABDT SM TO MD ANG DOL GRNS, TR FRM TO SFT WHT CHLK, TR DISS PYR SCAT IP, GLD FLO THRU, GD INTR-XLN, FR FLUSH CUT THRU TO FR WEAK SLOW MLKY BLUE STREAM CUT IN 30%, NO ODOR

DOL- WHT OFF WHT LT TN, HD DNS TO BRITT, MD XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM TO MD ANG DOL GRNS, TR SFT WHT CHLK, GLD FLO THRU, GD INTR-XLN, PR FLUSH CUT THRU TO FR WEAK SLOW MLKY BLUE STREAM CUT IN 5%, NO ODOR

DOL- WHT OFF WHT, HD DNS TO BRITT, MD XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM TO MD S'ANG TO ANG DOL GRNS, SLI TR SFT WHT CHLK, DLL YEL GLD FLO THRU, FR TO GD INTR-XLN, NO VIS CUT, NO VIS SHOW

DOL- WHT OFF WHT, HD DNS TO BRITT, MD XLN, REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD ABDT SM TO MD S'ANG TO ANG DOL GRNS, DLL YEL GLD FLO THRU, FR TO GD INTR-XLN, NO VIS CUT, NO VIS SHOW

RTD 3650' @ 8:00 AM 8/01/2011



CHCL 2 HRS
T.O.H FOR LOGS

SAMPLES WILL BE DELIVERED TO THE KGS

THANK YOU FOR CHOOSING EARTHTECH

LOG COMPLETED BY JASON MARSHALL