



KANSAS CORPORATION COMMISSION 1066667
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

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: _____



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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	-----------	---------	-------------	---------------	---------

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	Robert Yarmer 1-26
Doc ID	1066667

All Electric Logs Run

DEN
IND
MICRO
SONIC
SPECTRAL

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



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

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

Sam Brownback, Governor

November 02, 2011

THOMAS G. FERTAL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-165-21927-00-00
Robert Yarmer 1-26
NW/4 Sec.26-16S-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,
THOMAS G. FERTAL



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: 7/12/2011
 Invoice # 5101

P.O.#:

Due Date: 8/11/2011

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:
 YARMER 1-26

Description of Work:
 LONG SURFACE JOB

<input type="checkbox"/> DRLG <input type="checkbox"/> COMP <input type="checkbox"/> W/O <input type="checkbox"/> LOE <input type="checkbox"/> GG	
Account	8000-138
Well/Prospect	ROBERT YARMER 1-26
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No	Baffle Plate Aluminum, 8 5/8"	1	\$95.00	Yes
Common-Class A	370	\$ 4,764.78	Yes				
8 5/8" Basket	3	\$ 1,000.67	Yes				
Bulk Truck Matl-Material Service Charge	390	\$ 823.33	No				
Calcium Chloride	13	\$ 516.78	Yes				
Pump Truck Mileage-Job to Nearest Camp	29	\$ 305.50	No				
8 5/8" Centralizer	3	\$ 202.67	Yes				
Flo Seal	92	\$ 194.22	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	29	\$ 178.77	No				
Premium Gel (Bentonite)	7	\$ 120.29	Yes				
8 5/8" Top Rubber Plug	1	\$ 111.89	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 9,277.74
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,391.66)

SubTotal for Taxable Items: \$ 5,955.35
 SubTotal for Non-Taxable Items: \$ 1,930.73

6.30% Rush County Sales Tax

Total: \$ 7,886.08
 Tax: \$ 375.19
Amount Due: \$ 8,261.27
Applied Payments:
Balance Due: \$ 8,261.27

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.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

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. 5101

Date	7-10-11	Sec.	26	Twp.	16	Range	16	County	Rush	State	Ks	On Location		Finish	3:45 PM	
Lease	Yarnes	Well No.	1-26		Location Galatia, Ks - W to 380th Rd, 3/4 S											
Contractor	Ual Energy Rig #6				Owner		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Type Job	Surface				Charge To		Sam Gary Jr. + Associates									
Hole Size	12 1/4"		T.D.		1073'		Street									
Csg.	8 7/8"		Depth		1070.28'		City									
Tbg. Size			Depth				State									
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	42.73'		Shoe Joint		421.73'		Cement Amount Ordered 370 sk Common 3% CC									
Meas Line			Displace		65 1/2 BLS		2% Gel 14# Flo-seal									
EQUIPMENT																
Pumptrk	1	No.	Cementer	Cisco		Common		370								
Bulktrk	12	No.	Driver	Doug		Poz. Mix										
Bulktrk	p.u.	No.	Driver	Rick		Gel.		7								
JOB SERVICES & REMARKS																
Remarks:	Cement did Circulate.												Calcium 13			
Rat Hole													Hulls			
Mouse Hole													Salt			
Centralizers													Flowseal 92#			
Baskets													Kol-Seal			
D/V or Port Collar													Mud CLR 48			
													CFL-117 or CD110 CAF 38			
													Sand			
													Handling 370			
													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 27			
Signature <i>[Signature]</i>													Tax			
													Discount			
													Total Charge			



785-483-1071

Date: 7/22/2011
Invoice # 5302

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

P.O.#:
Due Date: 8/21/2011
Division: Russell

Invoice

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

DRLG COMP W/O LOE GG

Account	8300-238
Well/Prospect	YARMER 1-26
Deck	
AFE	
Approval	CA
Description	

Reference:
~~CLAIR 4-26~~ Robert YARMER 1-26

Description of Work:
LONG SURFACE

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No	Pump Truck Mileage-Job to Nearest Camp	26	\$273.90	No
Common-Class A	225	\$ 2,897.50	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$236.44	No
Gilsonite	1057	\$ 1,673.58	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	26	\$160.28	No
CFL 117	176	\$ 1,144.39	Yes	Flo Seal	56	\$118.22	Yes
5 1/2" Basket	3	\$ 728.33	No	KCL	2	\$63.04	Yes
CD-110	117	\$ 494.00	Yes				
5 1/2" Turbolizer	8	\$ 489.78	No				
Bulk Truck Matl-Material Service Charge	225	\$ 475.00	No				
Mud Clear	500	\$ 390.56	No				
Auto Fill Float Shoe, 5 1/2"	1	\$ 323.00	No				
Salt (Fine)	19	\$ 279.98	No				

Invoice Terms: Net 30

	SubTotal: \$ 10,711.84
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice: \$ (1,606.78)
<hr/>	
	SubTotal for Taxable Items: \$ 5,432.12
	SubTotal for Non-Taxable Items: \$ 3,672.94
<hr/>	
	Total: \$ 9,105.06
	Tax: \$ 342.22
<hr/>	
	Amount Due: \$ 9,447.29
	Applied Payments:
	Balance Due: \$ 9,447.29

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.
©2008-2013 Straker Investments, LLC. All rights reserved.

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

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

No. 5302

Date	7-17-11	Sec.	26	Twp.	16	Range	16	County	Rush	State	KS	On Location		Finish	9:15 AM
Lease	Farmer			Well No.	1-26			Location	Cedar's Ox's Rd 1 1/2 Yrs East						

Contractor	Val #2			Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Type Job	Production String			Hole Size	7 7/8	T.D.	3660	Charge To	Sam Camp JR.						
Csg.	5/2	Depth	3652	Tbg. Size		Depth		Street							
Tool		Depth		City	State										
Cement Left in Csg.	22'	Shoe Joint	22'	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line		Displace	86.4 BC	Cement Amount Ordered	225 Q-RO C 10% Salt 5% Latomite										

EQUIPMENT

Pumptrk	5	No.	Cementer	Craig	Helper		Common	225 Q-RO-C 20BLK C2							
Bulktrk		No.	Driver	WRALE	Driver		Poz. Mix								
Bulktrk	8	No.	Driver	Rocky	Driver		Gel.								

JOB SERVICES & REMARKS

Remarks:	Calcium RCL 2 gal														
Rat Hole	305K	CD-110 117#													
Mouse Hole	155K	Salt 19													
Centralizers		Flowseal 56#													
Baskets		Kol-Seal 1057													
D/V or Port Collar		Mud CLR 48 500 gal													
		CFL-117 or CD110 CAP 38 50 #													
		Sand CFL-117 176#													
		Handling													
		Mileage													

FLOAT EQUIPMENT

		Guide Shoe													
		Centralizer 8 Turbo													
		Baskets 3													
		AFU Inserts													
		Float Shoe 1													
		Latch Down 1													
		Rotating Head													
		Pumptrk Charge Prod Camp String													
		Mileage 26													

Thanks!

Tax	
Discount	
Total Charge	

X Signature



DRILL STEM TEST REPORT

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

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Neil Sharp

26-16-16 Rush, Ks

Yarmer 1-26

Start Date: 2011.07.13 @ 22:34:28

End Date: 2011.07.14 @ 06:32:28

Job Ticket #: 43420 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.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

Job Ticket: 43420

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.07.13 @ 22:34:28

GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:42:28
 Time Test Ended: 06:32:28
 Interval: **3240.00 ft (KB) To 3302.00 ft (KB) (TVD)**
 Total Depth: 3302.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 1978.00 ft (KB)
 1968.00 ft (CF)
 KB to GR/CF: 10.00 ft

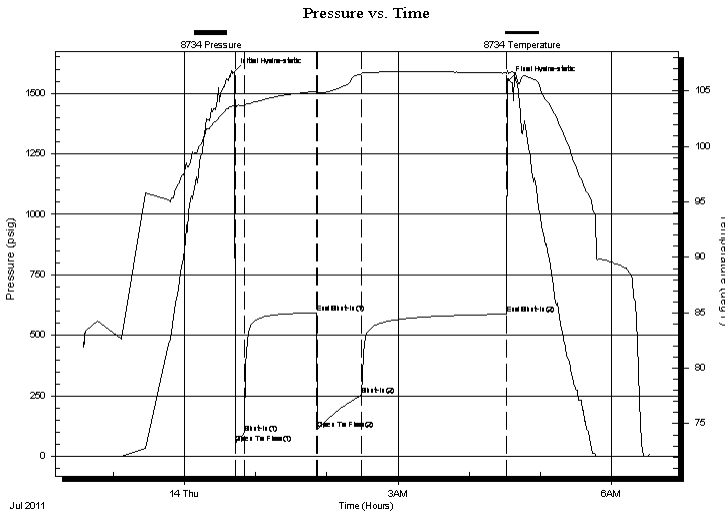
Serial #: 8734

Outside

Press @ Run Depth: 254.47 psig @ 3247.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.07.13 End Date: 2011.07.14 Last Calib.: 2011.07.14
 Start Time: 22:34:29 End Time: 06:32:28 Time On Btm: 2011.07.14 @ 00:40:58
 Time Off Btm: 2011.07.14 @ 04:33:28

TEST COMMENT: 10 - IFP - BOB 4 1/2 min
 60 - ISI - no blow back
 40 - FFP - BOB 6 min
 120 - FSI - no blow back

PRESSURE SUMMARY



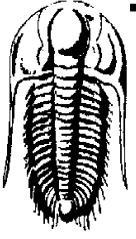
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1585.28	103.73	Initial Hydro-static
2	54.92	103.44	Open To Flow (1)
10	98.34	103.71	Shut-In(1)
70	594.05	104.96	End Shut-In(1)
71	113.98	104.84	Open To Flow (2)
109	254.47	106.57	Shut-In(2)
231	587.35	106.63	End Shut-In(2)
233	1553.03	106.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	MW 95%W, 5%M	5.26
75.00	DRL MUD 100%	1.05

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

ATTN: Neil Sharp

Job Ticket: 43420

DST#: 1

Test Start: 2011.07.13 @ 22:34:28

GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:42:28

Time Test Ended: 06:32:28

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3240.00 ft (KB) To 3302.00 ft (KB) (TVD)**

Reference Elevations: 1978.00 ft (KB)

Total Depth: 3302.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8372 Inside

Press @ Run Depth: psig @ 3247.00 ft (KB)

Start Date: 2011.07.13 End Date: 2011.07.14

Start Time: 22:34:43 End Time: 06:32:42

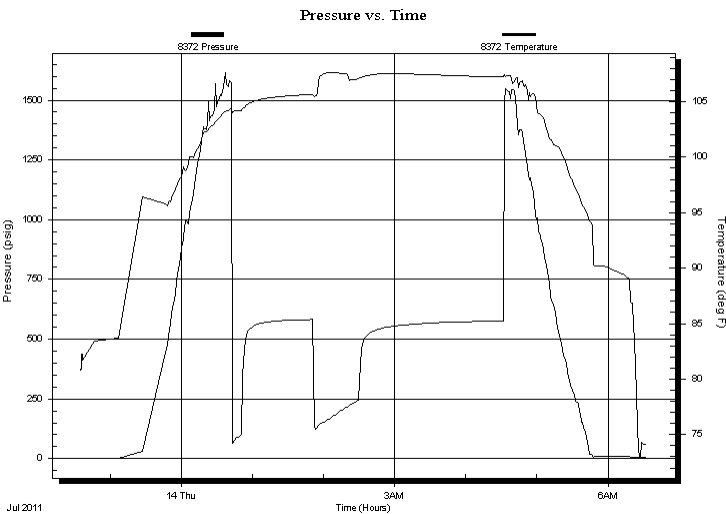
Capacity: 8000.00 psig

Last Calib.: 2011.07.14

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IFP - BOB 4 1/2 min
60 - ISI - no blow back
40 - FFP - BOB 6 min
120 - FSI - no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
375.00	MW 95%W, 5%M	5.26
75.00	DRL MUD 100%	1.05

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.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

Job Ticket: 43420

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.07.13 @ 22:34:28

Tool Information

Drill Pipe:	Length: 3221.00 ft	Diameter: 3.80 inches	Volume: 45.18 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.18 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3240.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	97.00 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	8365	Fluid	3205.00	
Blank Spacing	5.00			3210.00	
Shut In Tool	5.00			3215.00	
Sampler	3.00			3218.00	
Hydraulic tool	5.00			3223.00	
Jars	5.00			3228.00	
Safety Joint	2.00			3230.00	
Packer	5.00			3235.00	35.00 Bottom Of Top Packer
Packer	5.00			3240.00	
Stubb	1.00			3241.00	
Perforations	5.00			3246.00	
Change Over Sub	1.00			3247.00	
Recorder	0.00	8372	Inside	3247.00	
Recorder	0.00	8734	Outside	3247.00	
Blank Spacing	31.00			3278.00	
Change Over Sub	1.00			3279.00	
Perforations	20.00			3299.00	
Bullnose	3.00			3302.00	62.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

Job Ticket: 43420

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.07.13 @ 22:34:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
375.00	MW 95%W, 5%M	5.260
75.00	DRL MUD 100%	1.052

Total Length: 450.00 ft

Total Volume: 6.312 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

Job Ticket: 43420

DST#: 1

ATTN: Neil Sharp

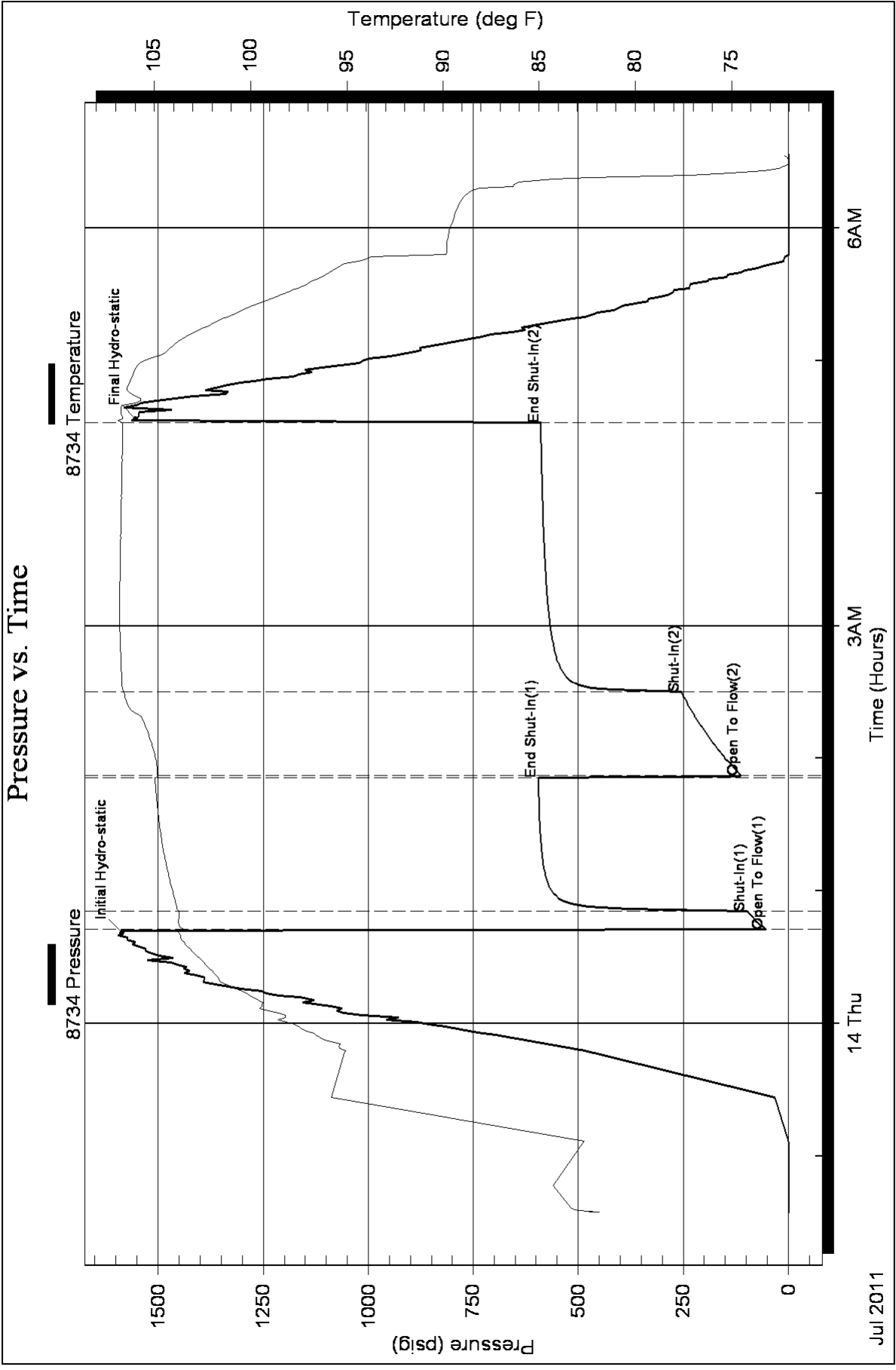
Test Start: 2011.07.13 @ 22:34:28

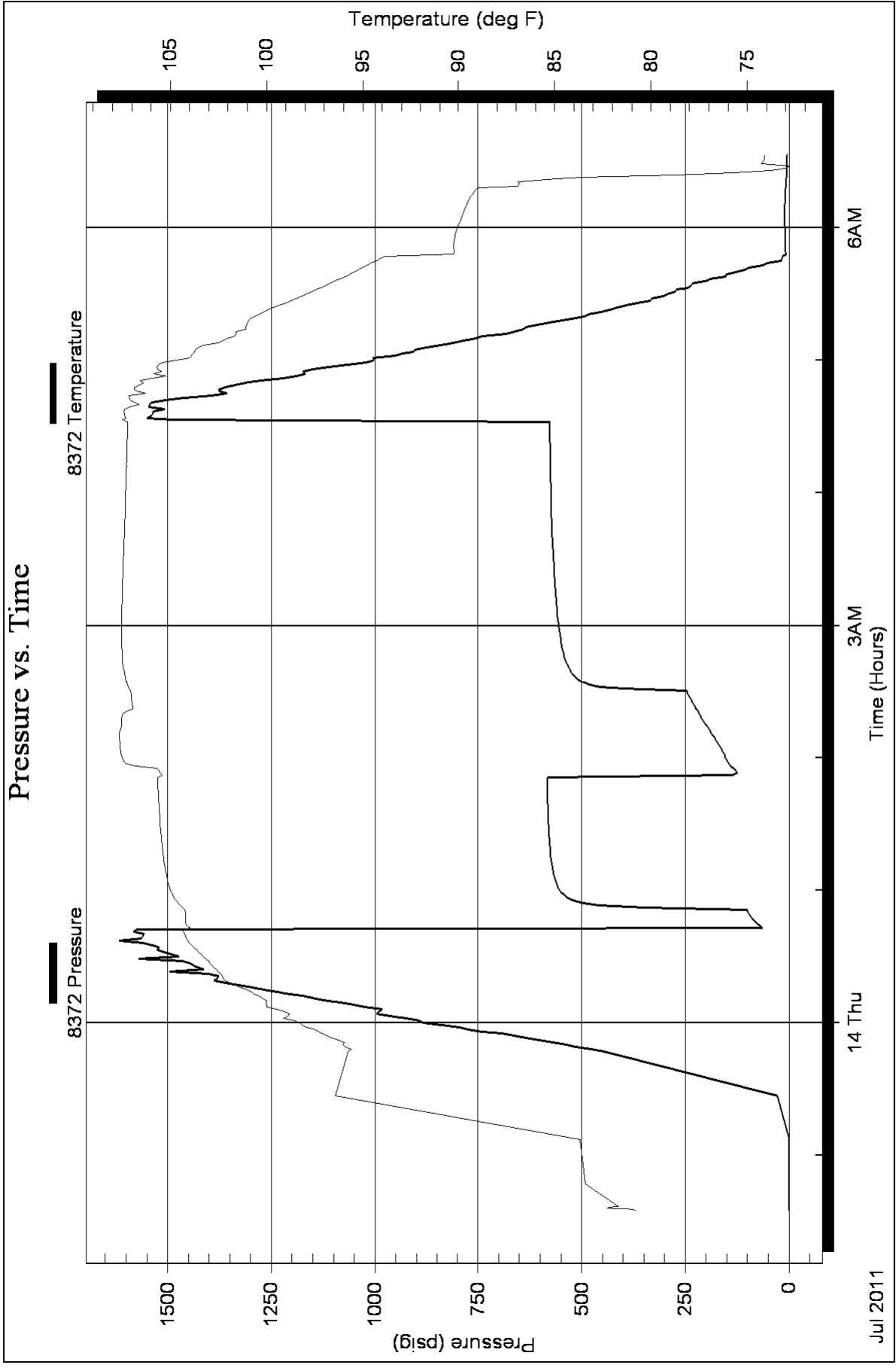
Gas Rates Information

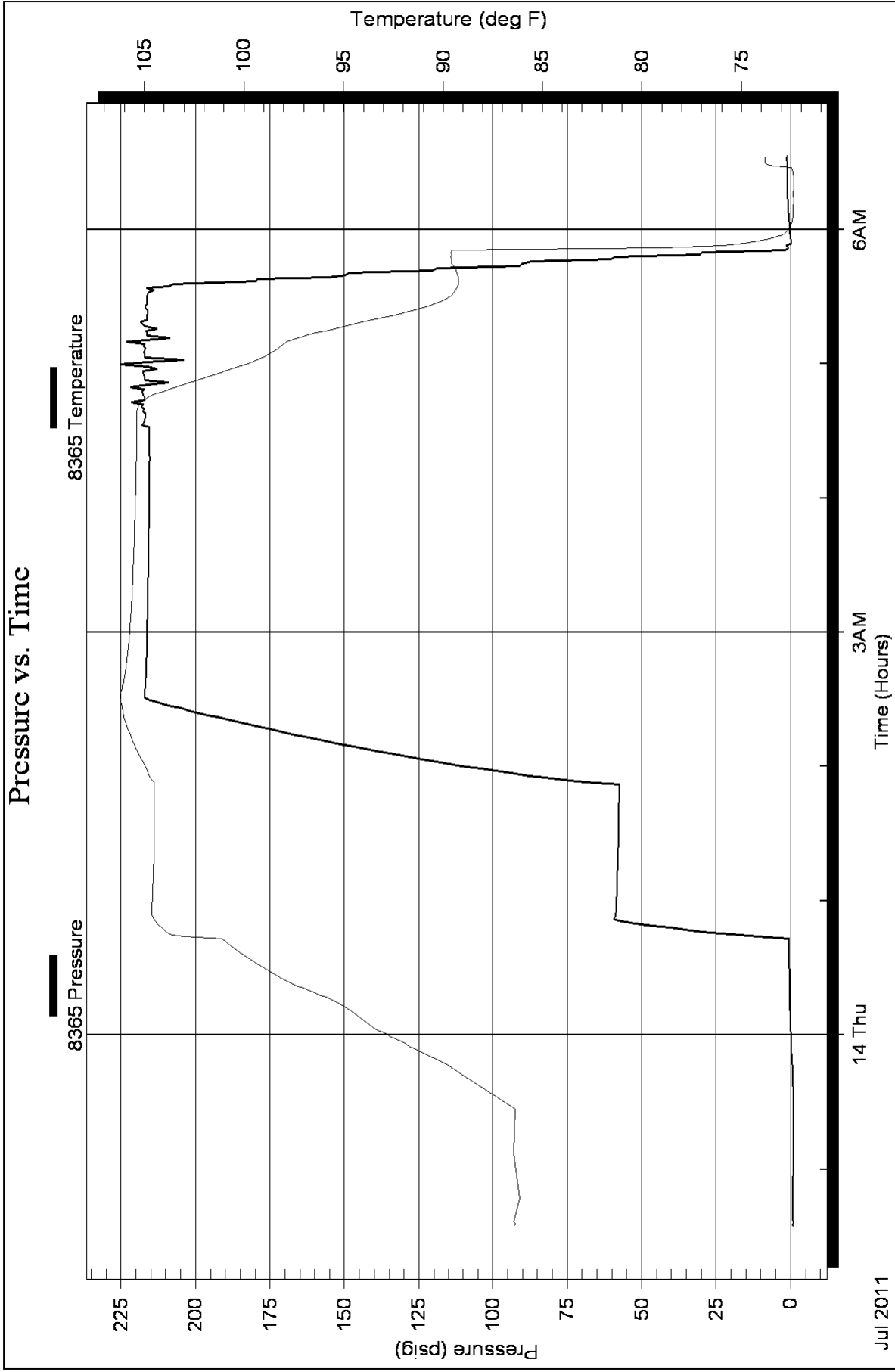
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

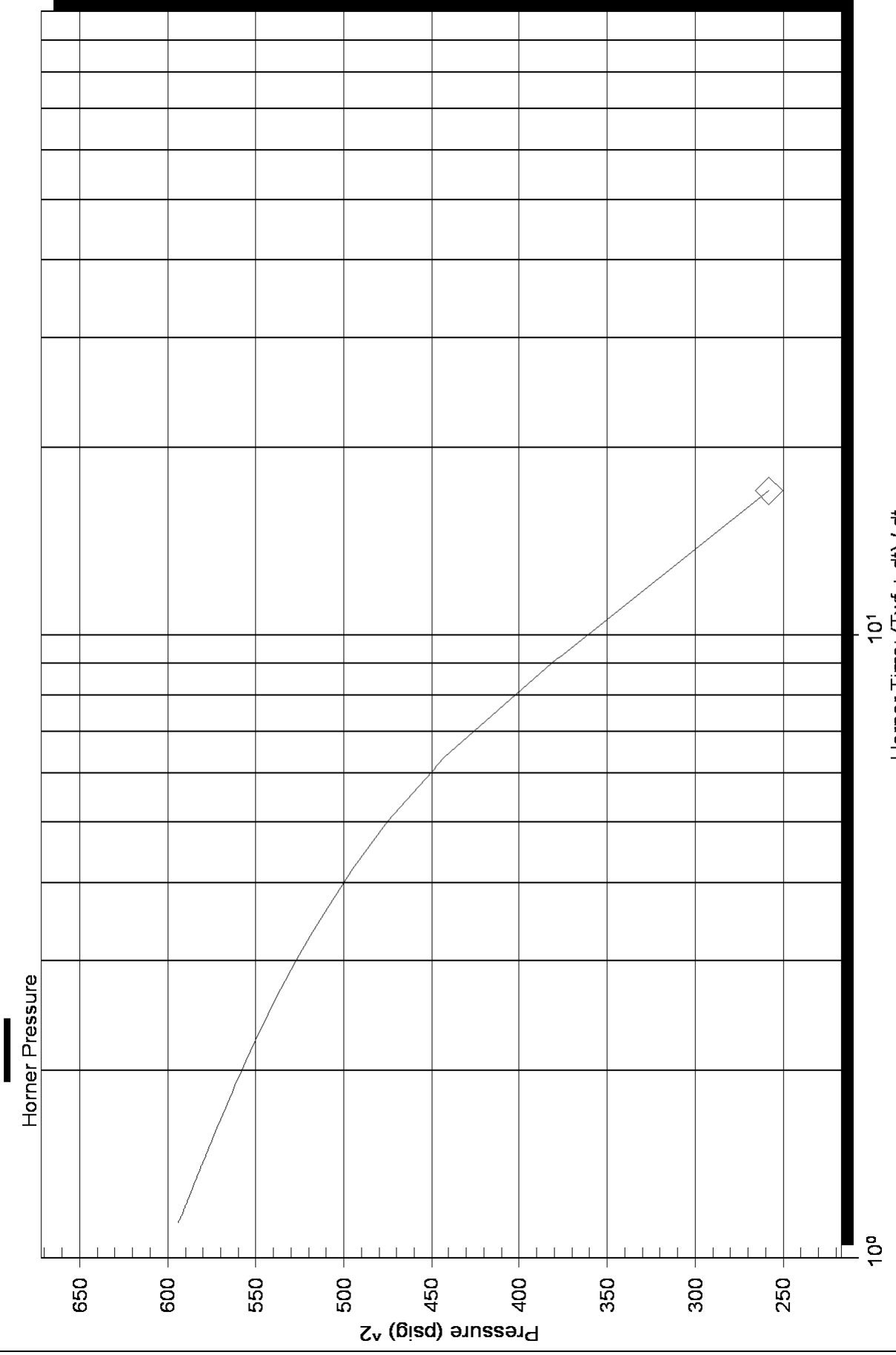
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00



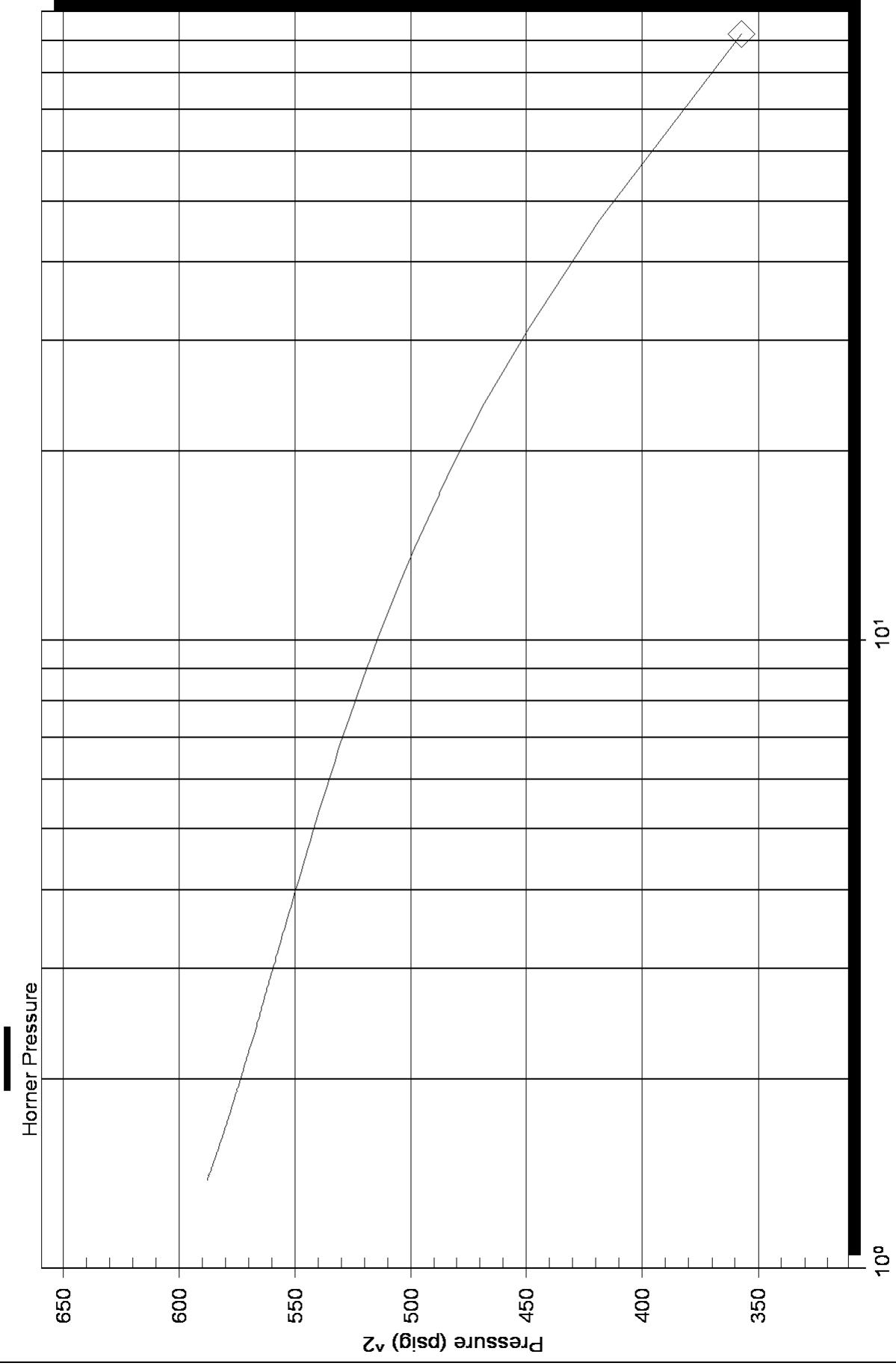




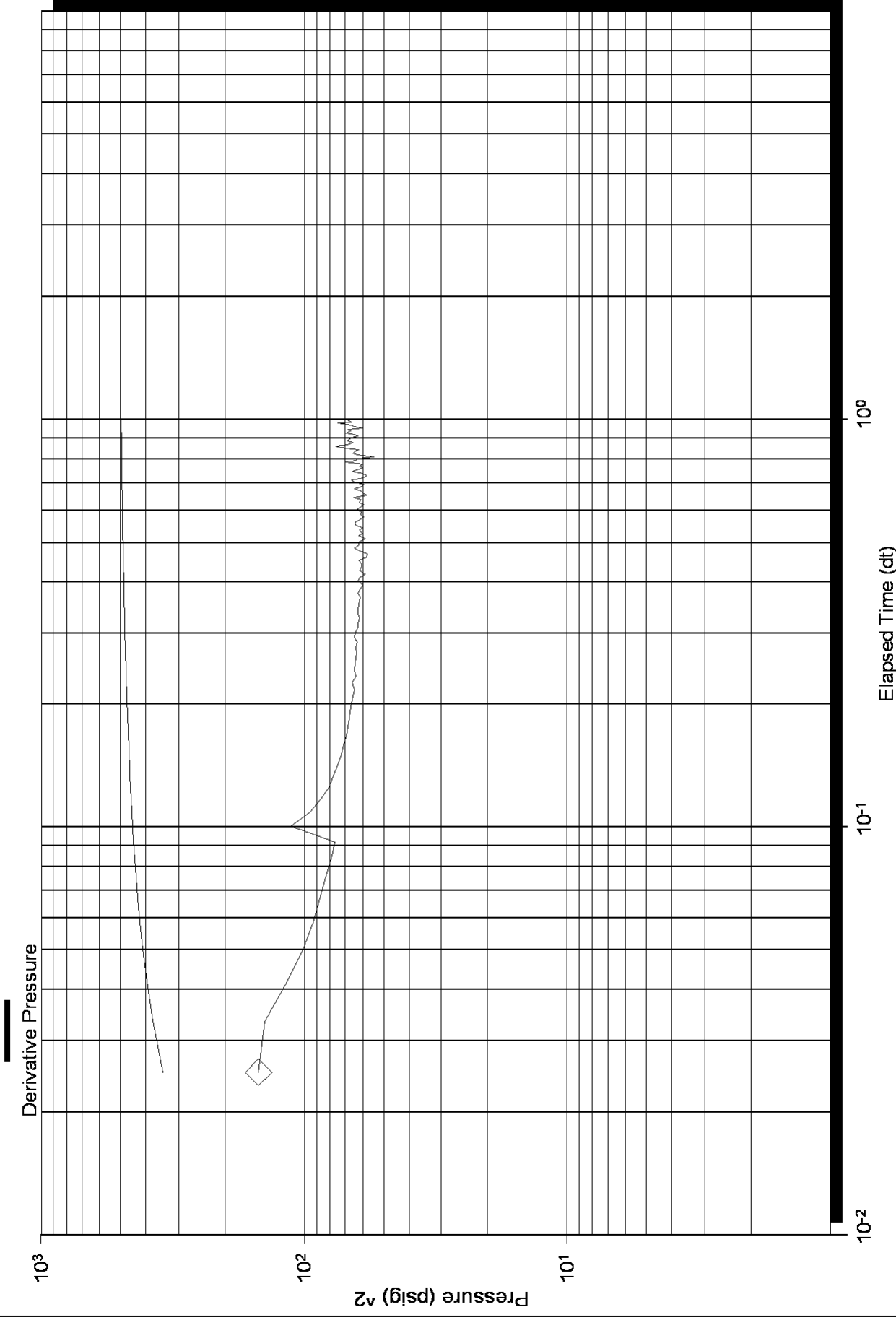
Homer Plot



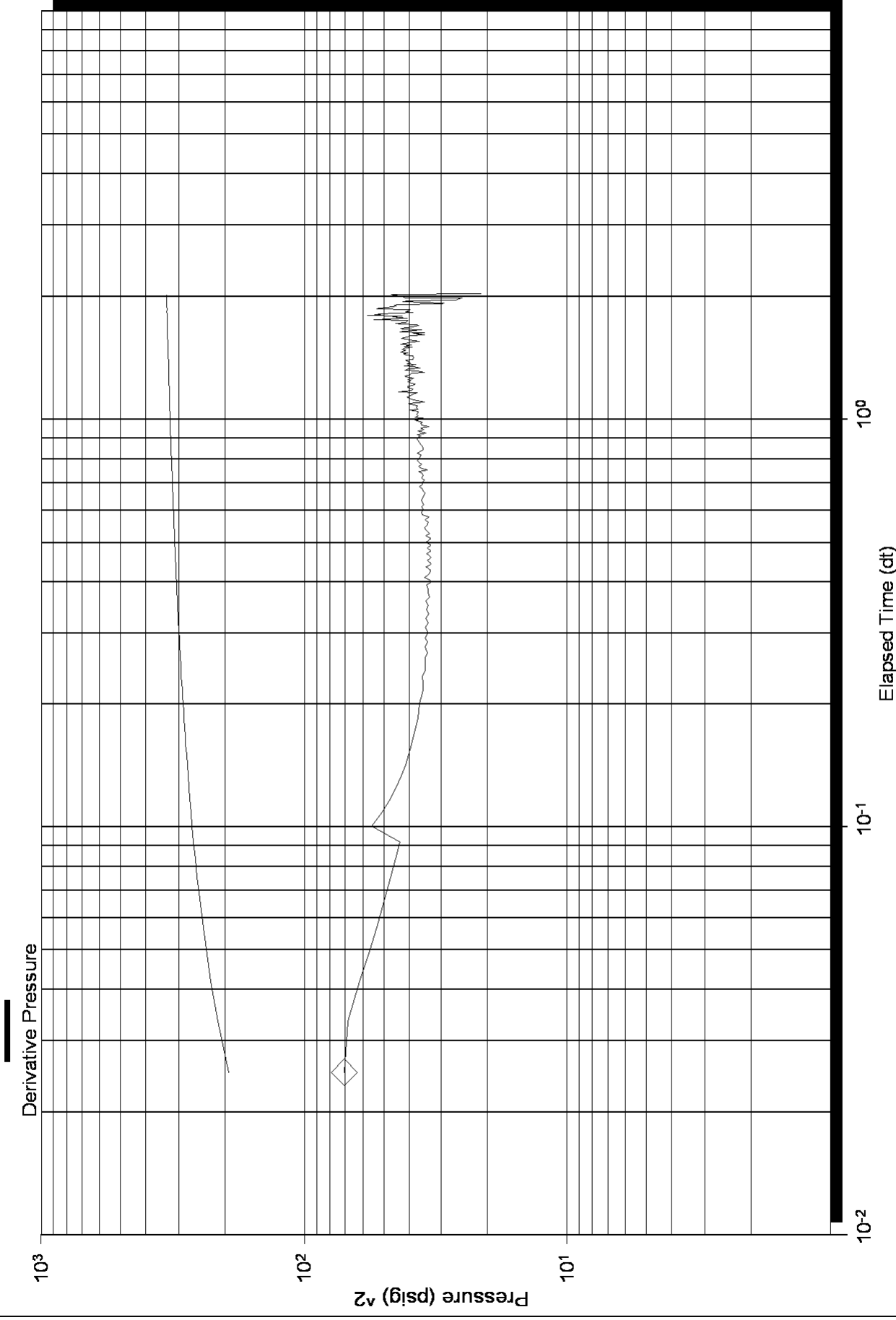
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

Job Ticket: 43421

DST#: 2

ATTN: Neil Sharp

Test Start: 2011.07.14 @ 22:47:12

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:53:11

Time Test Ended: 06:41:41

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3388.00 ft (KB) To 3418.00 ft (KB) (TVD)

Reference Elevations: 1978.00 ft (KB)

Total Depth: 3418.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 96.35 psig @ 3395.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.14

End Date:

2011.07.15

Last Calib.:

2011.07.15

Start Time: 22:47:12

End Time:

06:41:41

Time On Btm:

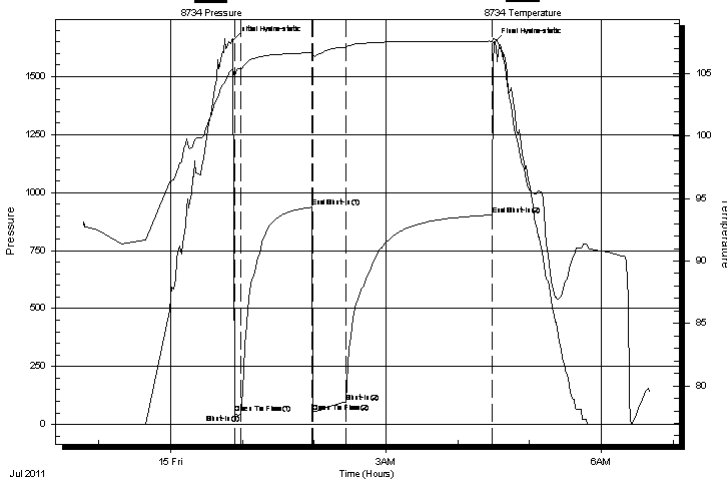
2011.07.15 @ 00:52:11

Time Off Btm:

2011.07.15 @ 04:30:41

TEST COMMENT: 5 - IFP - BOB 1 1/2 min
60 - ISI - no blow back
30 - FFP - BOB 1 min
120 - FSI - 9" blow back - died 35 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1657.35	105.38	Initial Hydro-static
1	46.22	104.75	Open To Flow (1)
6	44.49	105.38	Shut-In(1)
66	936.99	106.69	End Shut-In(1)
67	52.58	106.43	Open To Flow (2)
94	96.35	107.16	Shut-In(2)
217	903.29	107.62	End Shut-In(2)
219	1646.06	107.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MW 50%W, 50%M	0.21
170.00	GMO 20%G, 50%O, 30%M	2.38
0.00	1270' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

Job Ticket: 43421

DST#: 2

ATTN: Neil Sharp

Test Start: 2011.07.14 @ 22:47:12

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	MW 50%W, 50%M	0.210
170.00	GMO 20%G, 50%O, 30%M	2.385
0.00	1270' GIP	0.000

Total Length: 185.00 ft Total Volume: 2.595 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

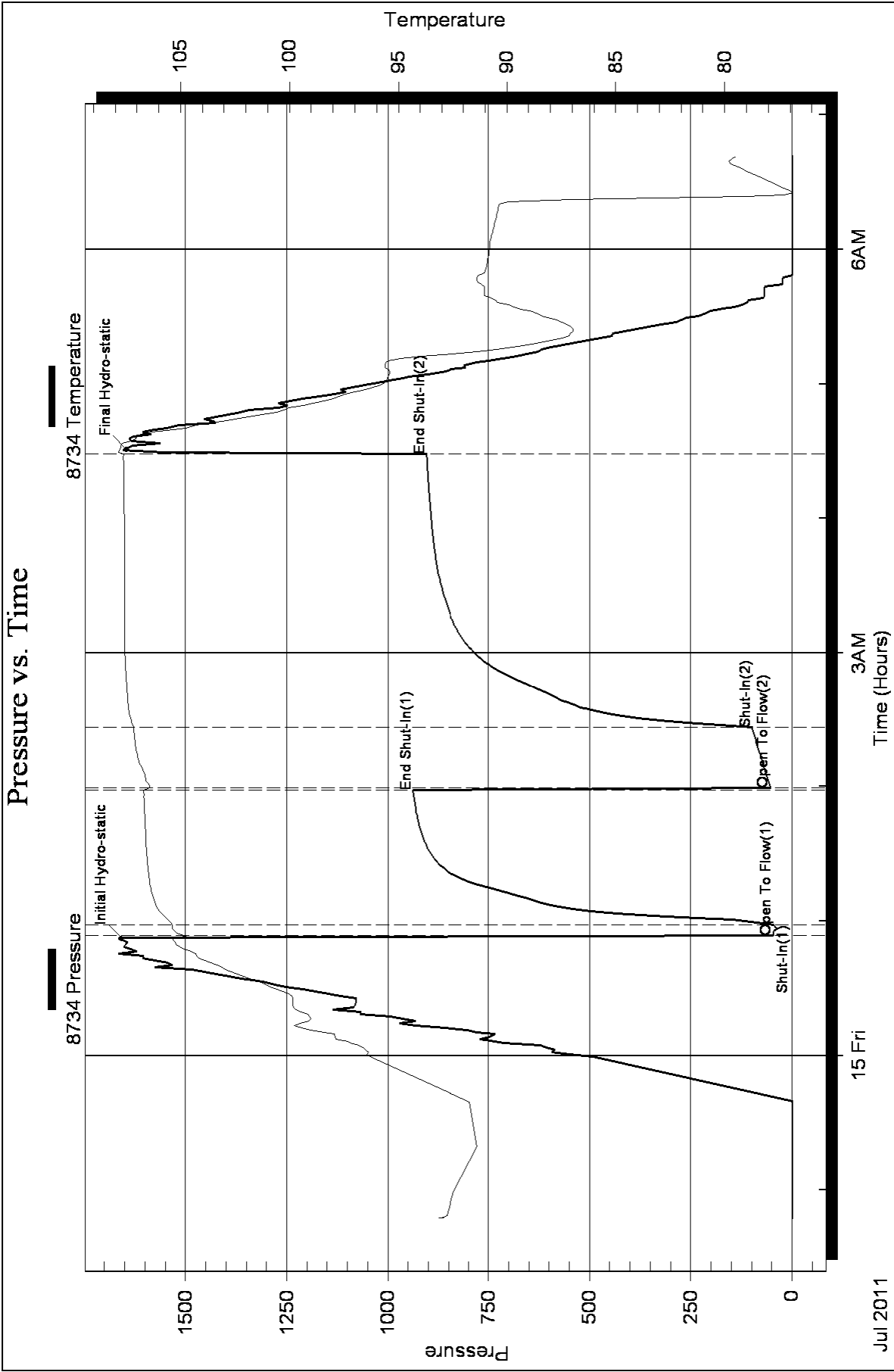
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2000 ml Gas, 1800 ml Oil, 100 ml Mud, 100 ml Water 550 lbs

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

ATTN: Neil Sharp

Job Ticket: 43422

DST#: 3

Test Start: 2011.07.15 @ 15:29:01

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:25:01

Time Test Ended: 22:26:01

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3420.00 ft (KB) To 3463.00 ft (KB) (TVD)

Reference Elevations: 1978.00 ft (KB)

Total Depth: 3463.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press @ RunDepth: 34.88 psig @ 3423.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.15

End Date:

2011.07.15

Last Calib.:

2011.07.15

Start Time: 15:29:02

End Time:

22:26:01

Time On Btm:

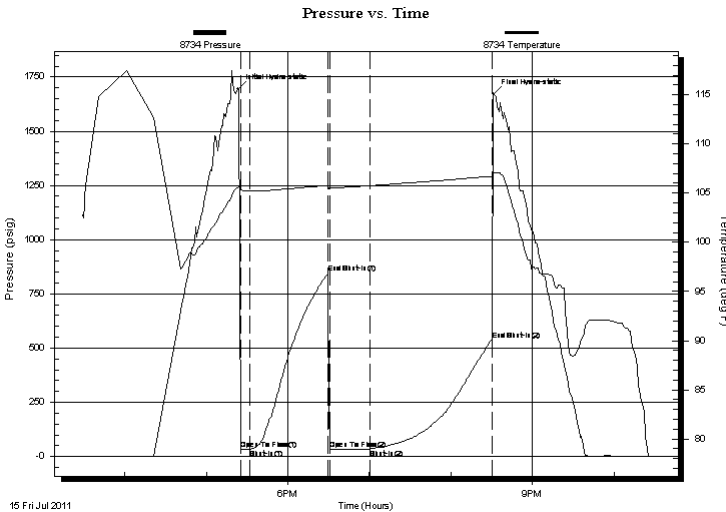
2011.07.15 @ 17:23:31

Time Off Btm:

2011.07.15 @ 20:31:31

TEST COMMENT: 5 - IFP - weak sur blow - died 3 min
60 - ISI - no blow back
30 - FFP - no blow
90 - FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1694.84	105.61	Initial Hydro-static
2	32.66	105.30	Open To Flow (1)
9	32.95	105.25	Shut-In(1)
66	844.21	105.78	End Shut-In(1)
67	34.31	105.57	Open To Flow (2)
97	34.88	105.76	Shut-In(2)
187	538.47	106.70	End Shut-In(2)
188	1672.89	107.04	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
1.00	FREE OIL TSTM	0.01
1.00	DRL MUD100%	0.01

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

Job Ticket: 43422

DST#: 3

ATTN: Neil Sharp

Test Start: 2011.07.15 @ 15:29:01

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 8.37 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	FREE OIL TSTM	0.014
1.00	DRL MUD100%	0.014

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

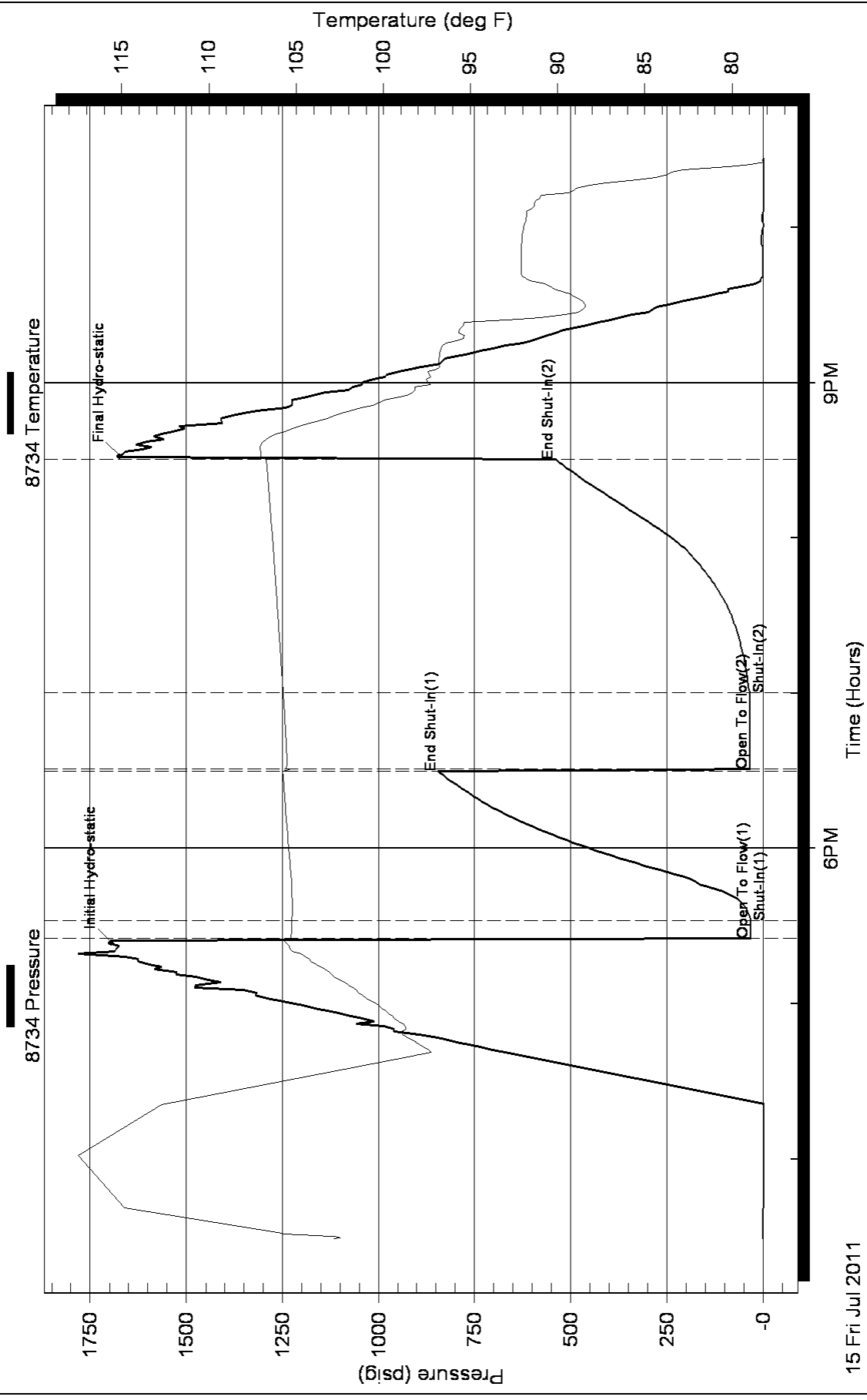
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2000 ml Oil, 2000 ml Mud, 70 lsb

Pressure vs. Time





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

Well Name: Yarmer 1-26
Location: Sec. 26 16S 16W Rush County, Kansas
License Number: 15-165-21927-0000
Spud Date: 7/9/11
Surface Coordinates: 1150' FNL & 945' FWL
Region: Wildcat
Drilling Completed: 7/16/2011

Bottom Hole Coordinates:

Ground Elevation (ft): 1968' K.B. Elevation (ft): 1978'
Logged Interval (ft): 1700' To: 3660' Total Depth (ft): 3660'
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: Neil Sharp

GEOLOGIST

Name: Tim Hedrick
Company: EARTH TECH OGL, Inc.
Address: PO Box 683
102 W. Main
Hooker, Okla. 73945

DST'S

DST#1 3240- 3302 10 60 40 120
IF- BOB 4.5 MIN./ ISI- NB/ FF- BOB IN 6 MIN./FSI- NB
IH-1585, FH-1553/ IF- 55 TO 98, FF-114 TO 255/ ISI-594, FSI-587
RECOV. 450' TF, 75' DM, 375' MW, 95%W., 5%M. PIT CHL-2000, TEST CHL-50,000 BHT 107 DEG. RW .141 @ 76 DEG./ SAMPLER-100 ML MUD, 3900 ML W./ 200#

DST#2 3388 -3418 5 60 30 120
IF- BOB 1.5 MIN/ ISI- NB/ FF- BOB IN 1 MIN/ FSI- 9" BLOW DIED IN 35 MIN.
IH- 1657, FH- 1646/ IF- 46 TO 44, FF- 53 TO 96/ ISI-937, FSI- 903, RECOV.- 1270' GIP/ 185' TF, 170' GMO, 20%G, 50% O., 30%M.,/15' MW, 50% W., 50% M. / PIT CHL-2000, TEST CHL-34000 / BHT 108 DEG./ 37 GR., RW 119 @ 79 DEG.
SAMPLER- 2000 ML GAS/1800 ML OIL/100 ML MUD/100 ML W./550 PSI

DSTs

DST#3 3420-3463' 5 60 30 90

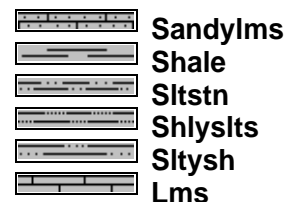
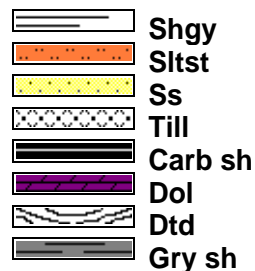
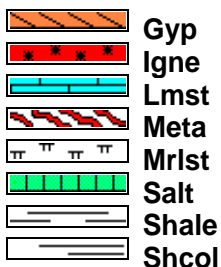
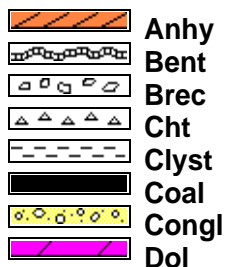
IF- WK BLO DIED IN 3 MIN./ISI- NB/ FF-NB/FSI-NB

IH-1695, FH-1673/ IF- 33 TO 33, FF-34 TO 35/ ISI-844, FSI-539

RECOV.- 2' TF/ 1' FREE OIL, 1' MUD 100% M. BHT 107 DEG. PIT CHL- 4,000

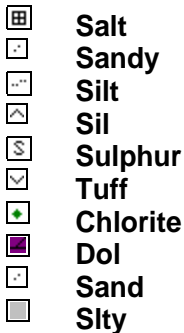
SAMPLER- 2000 ML OIL/ 2000 ML MUD/ 70 PSI OILL GR. TSTM

ROCK TYPES

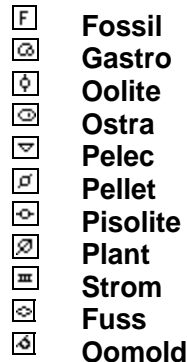
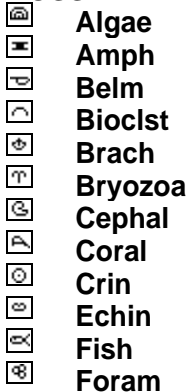


ACCESSORIES

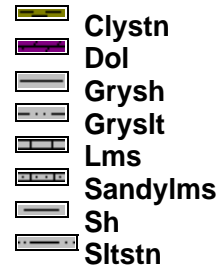
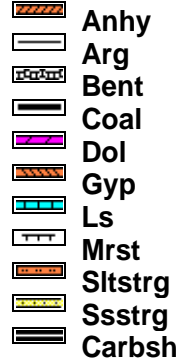
MINERAL



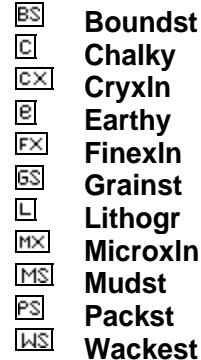
FOSSIL



STRINGER

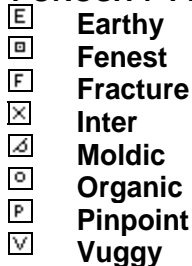


TEXTURE



OTHER SYMBOLS

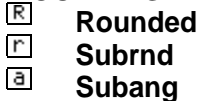
POROSITY TYPE



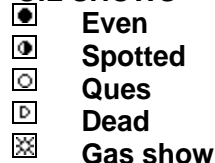
SORTING



ROUNDING



OIL SHOWS

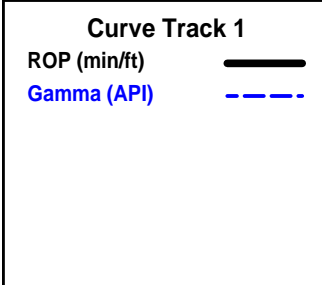


INTERVALS



EVENTS



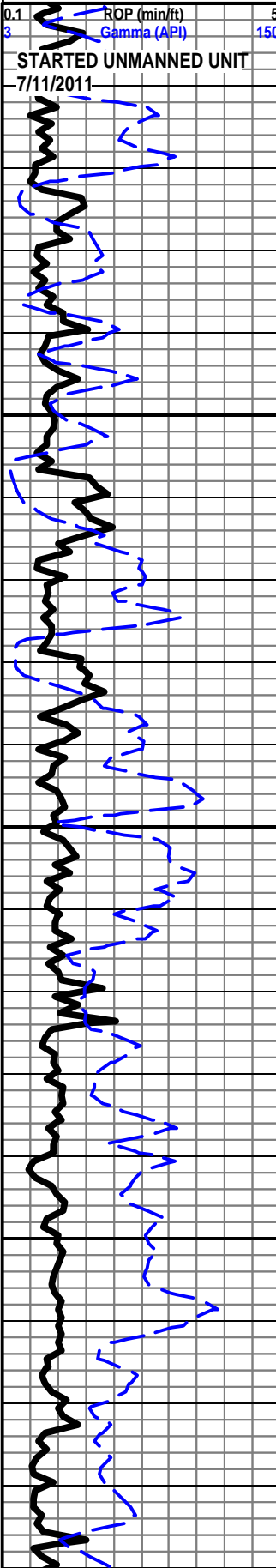
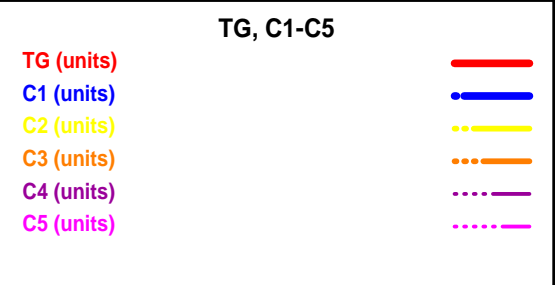


Depth

Lithology

Oil Shows

Geological Descriptions



18

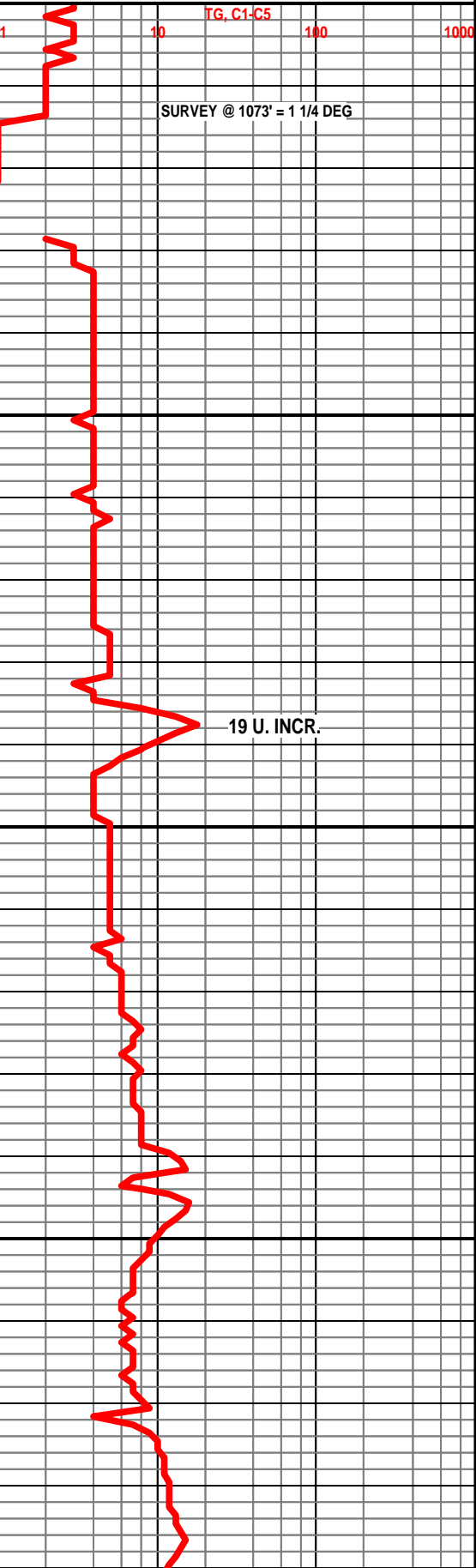
1850

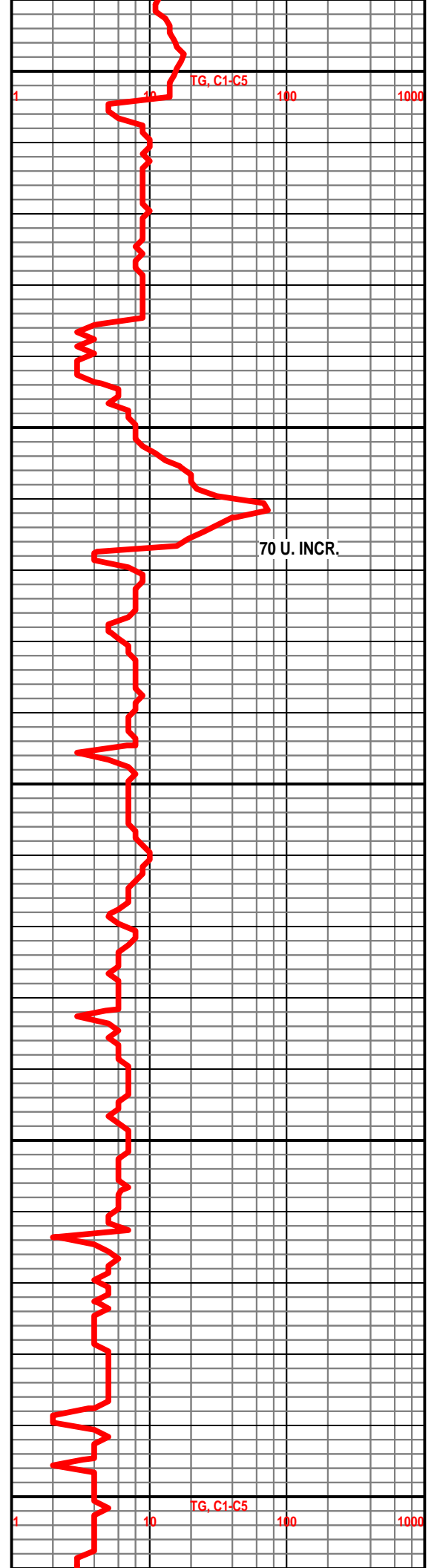
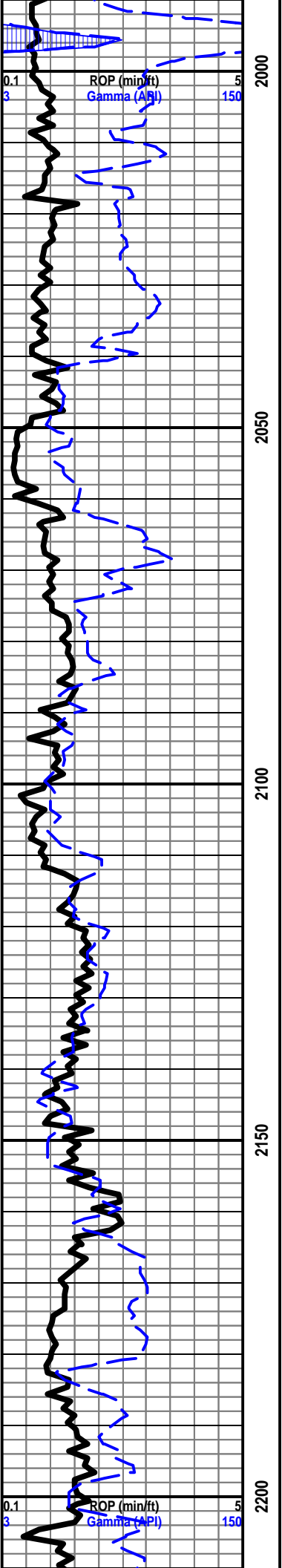
1900

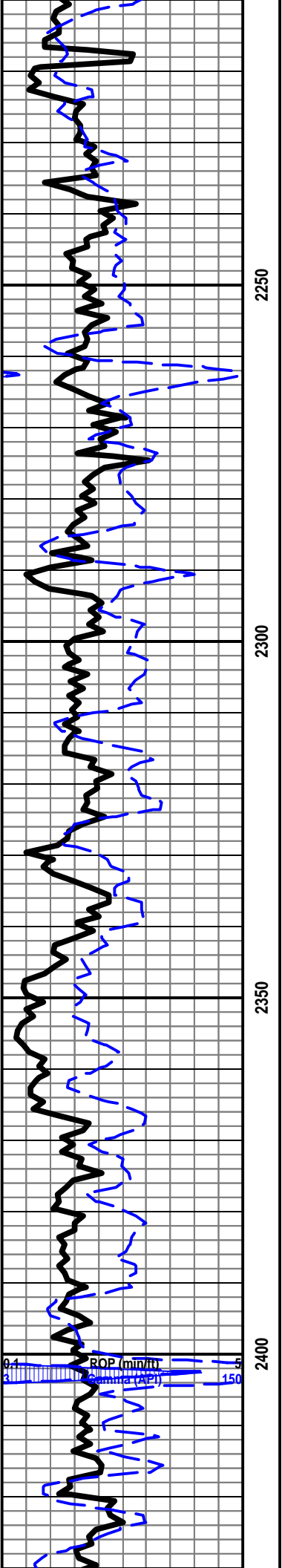
1950

VAL RIG 6

STARTED UNMANNED UNIT
7/11/2011







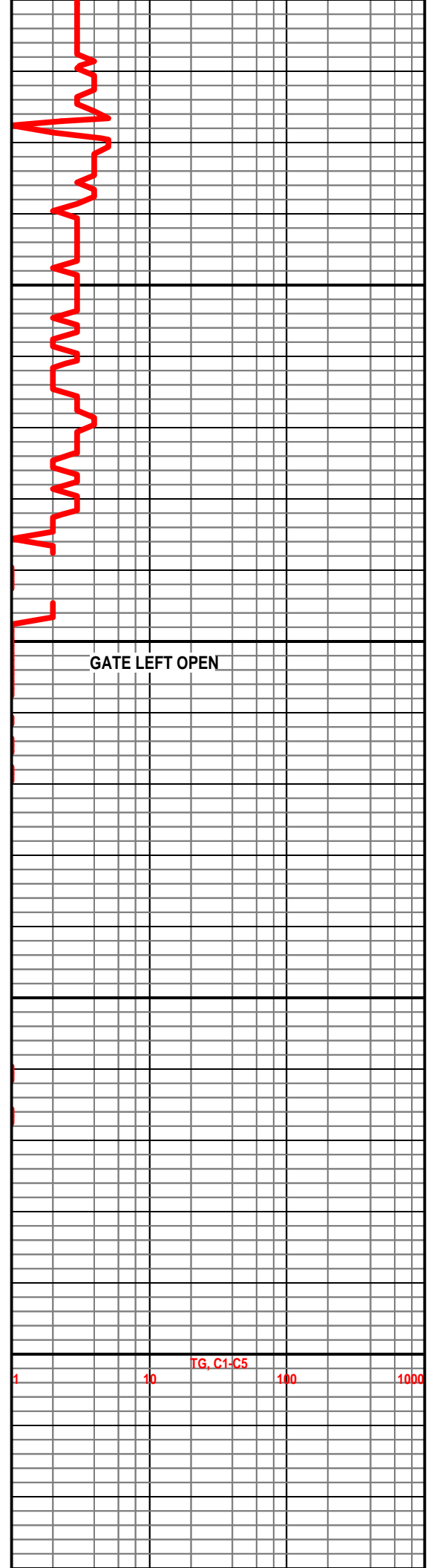
2250

2300

2350

2400

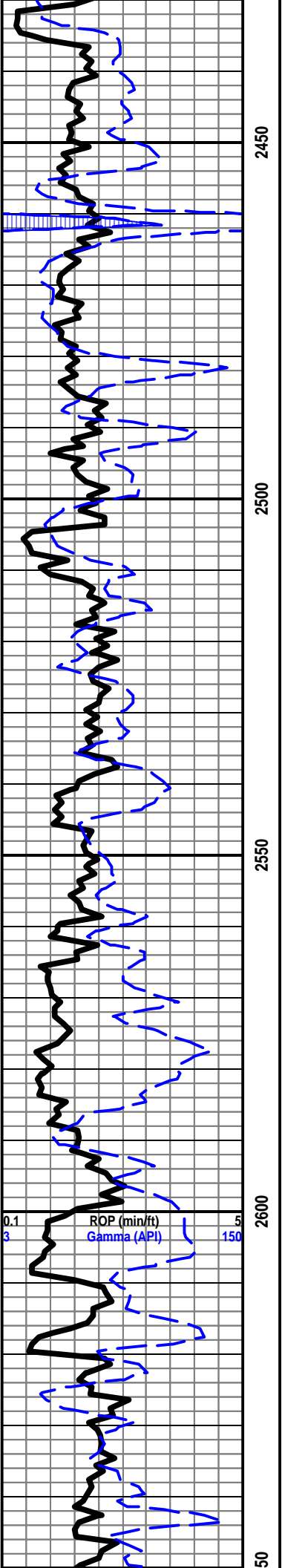
ROP (min/ft)
Gamma (API)



GATE LEFT OPEN

TG, C1-C5

1 10 100 1000



2450

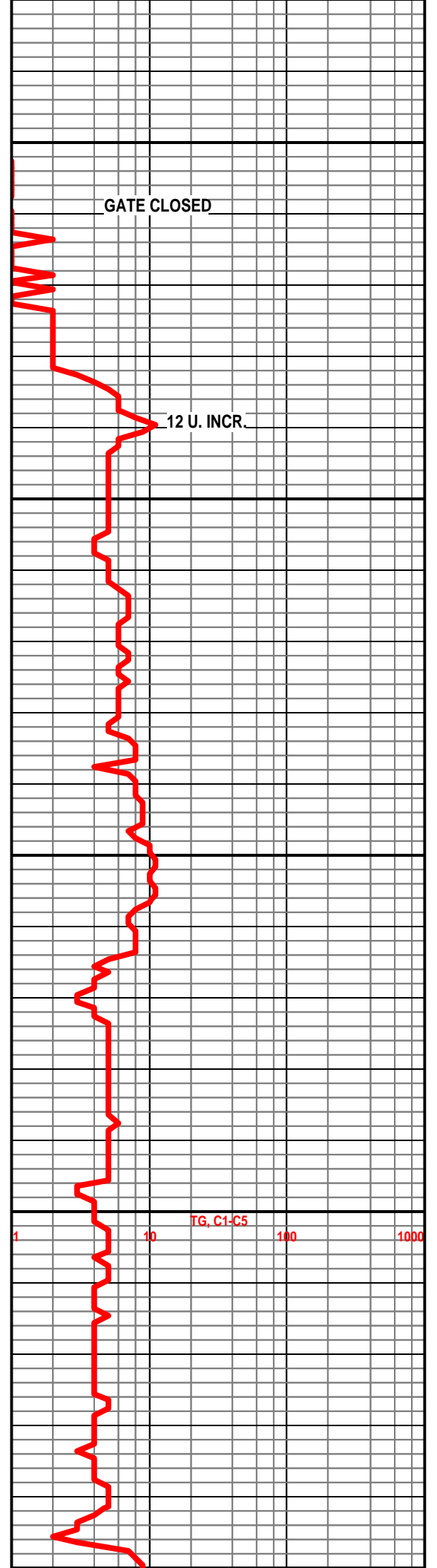
2500

2550

2600

0.1 ROP (min/ft) 5
3 Gamma (API) 150

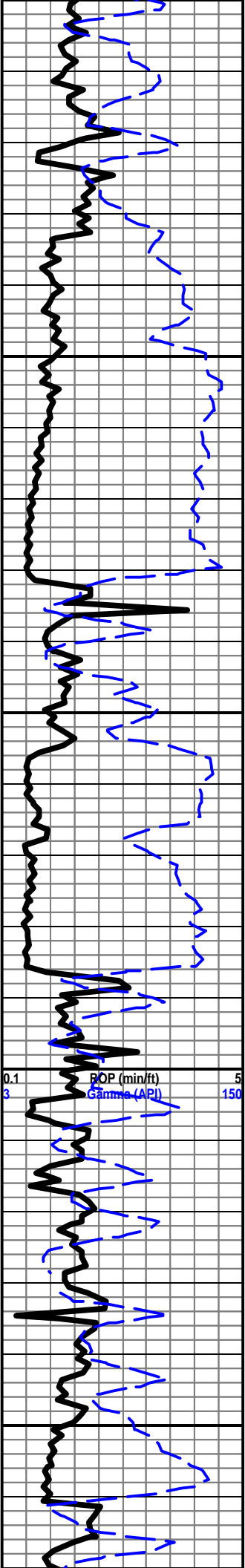
50



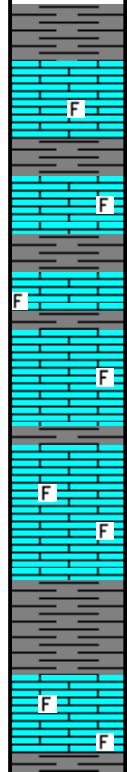
GATE CLOSED

12 U. INCR.

TG, C1-C5 1 10 100 1000



26
2700
2750
2800
2850



BASE ROOT SHALE 2731' - 753

START 24 HR MANNED UNIT ON 7/12/2011

SH- GY DK GY GRN, HD, SPLNTY

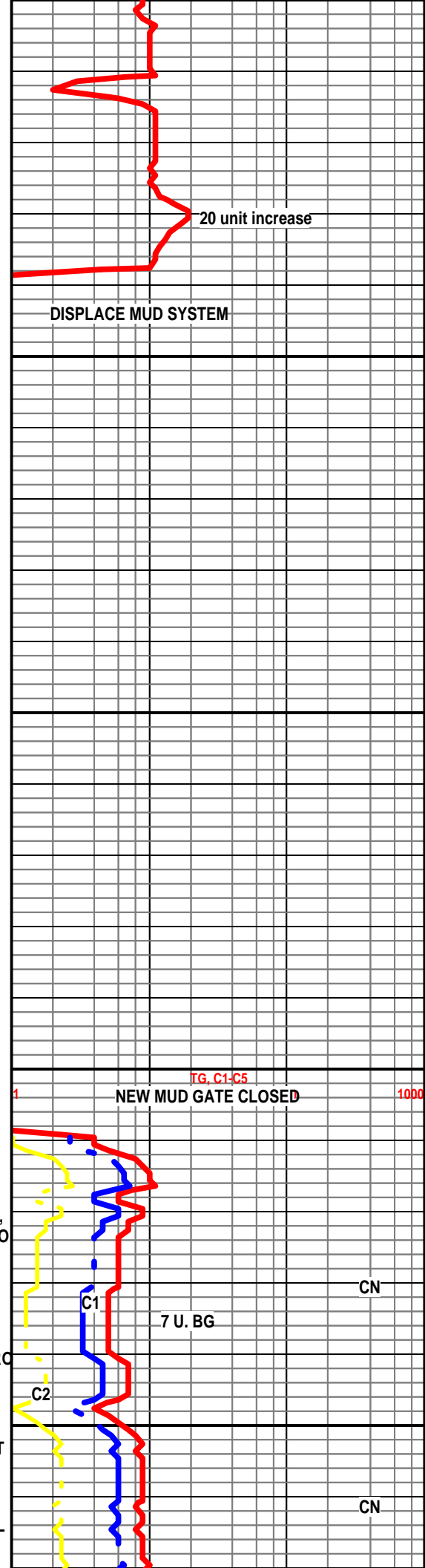
LS- CRM BFF- HD DNS MD-F-XLN RE-XLN MTRX IP, IMBD FOSS FRGS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN LT GY- HD DNS TO BRITT, MD-XLN RE-XLN MTRX, S-SUCRO IP, IMBD FOSS FRGS SCAT THRU, SLI TR IMBD SH IP, LT BRIT YEL MIN FLO THRU, NO VIS POR, NO VIS SHOW

LS- CRM BFF LT TN - HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, V/ FOSS THRU, LT BRIT YEL MIN FLO, NO VIS POR TO TR MICRO PP POR, NO VIS SHOW

SH- LT GRN TO GRN FRM BLKY IP TO V/ SFT SLTY TXT IP

LS- CRM LT TN TN- HD DNS F-XLN SLI RE-XL IP, TR FOSS FRGS IP, SLI TR SUCRO S-CHI KY IP, LT YEL MIN FLO, NO VIS POR



20 unit increase

DISPLACE MUD SYSTEM

TG, C1-C5

NEW MUD GATE CLOSED

1000

7 U. BG

C1

C2

CN

CN

LS- CRM LT TN TN LT GY- HD DNS MOTT, F-V/F-XLN
RE-XLN, FOSS FRGS IMBD THRU, TR SMLL
CALC XLS IP, HVY TR SCAT IMBD GY SH , NO
FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO GY- FRM IP TO V/ SFT SLTY TX

LS- TN BRN GY- HD DNS MOTT, F-V/F-XLN
RE-XLN, FOSS FRGS IMBD THRU, TR SMLL
CALC XLS IP, HVY TR SCAT IMBD GY SH , NO
FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO GY- FRM IP TO V/ SFT SLTY

HOWARD 2921' - 943

LS- CRM LT TN TN LT GY- HD DNS MOTT,
F-V/F-XLN , TR LMNTD GY SH IP, HVY TR
IMBD FOSS FRGS IP, NO FLO, NO VIS POR,
NO VIS SHOW

SH- LT GY TO LT GRN FRM BLKY TO V/ SFT
SMTH TXT

LS- OFF WHT CRM LT GY, HD TO BRITT,
MD-XLN RE-XLN MTRX , V/ SLI S-CHLKY IP,
SCAT IMBD FOSS IP, LT YEL MIN FLO, NO VIS
POR, NO VIS SHOW

SEVERY 2971' - 993'

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

TOPEKA 2985' - 1007'

LS- CRM LT TN BFF- HD DNS TO BRITT,
MD-F-XLN RE-XLN MTRX, V/ FOSS ,SCAT
IMBD LT GRN SH IP, NO FLO, NO VIS POR, NO
VIS SHOW

LS- OFF WHT CRM BFF- HD DNS F-XLN
RE-XLN IP, TR FOSS FRGS IP, TR SUCRO IP,
NO FLO, NO VIS POR, NO VIS SHOW

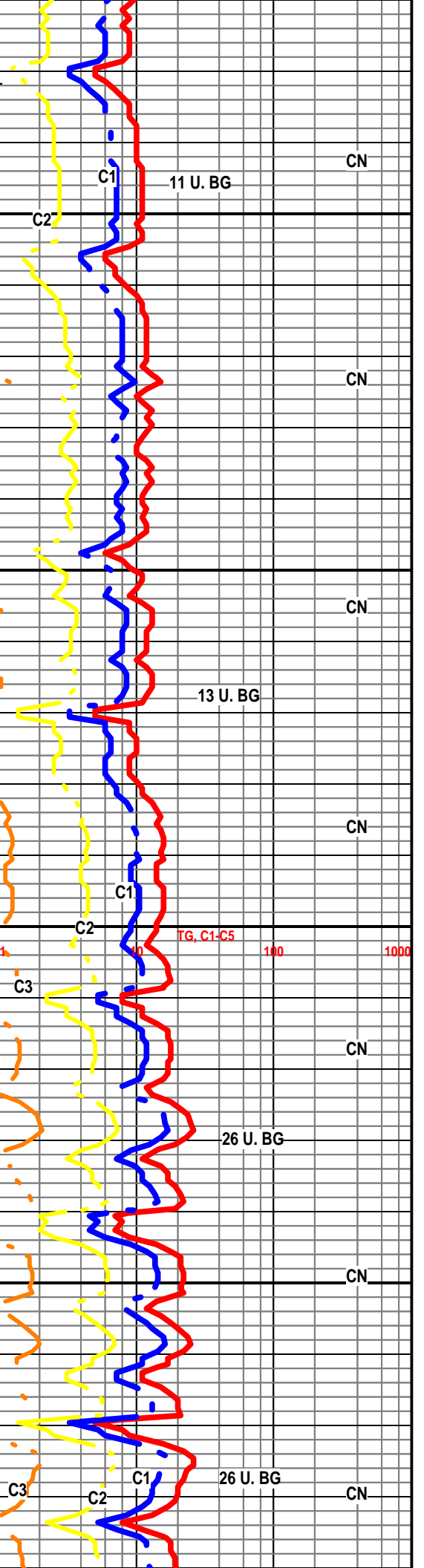
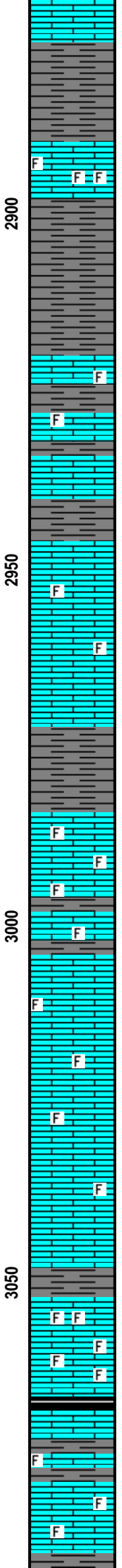
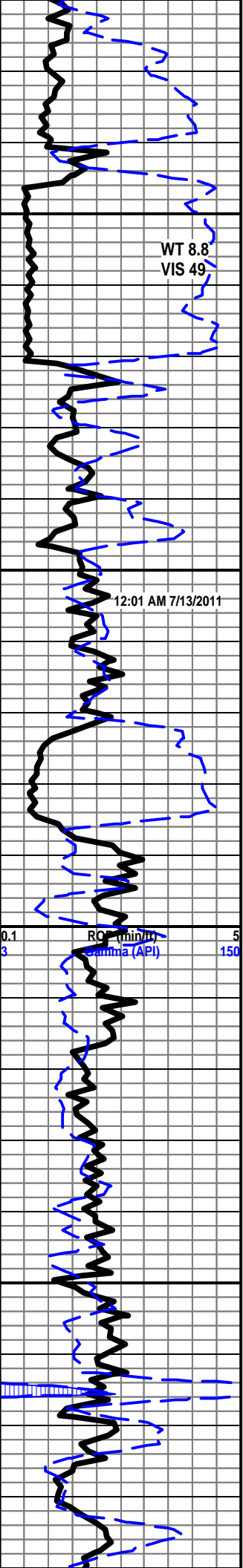
LS- CRM LT TN LTG Y- HD DNS TR BRITT,
F-XLN TO V/ TT SUCRO MTRX, FOSS FRGS
IMBD IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT TO MD GY- FRM BLKY SMTH TX TR
SPLNTY

LS- LT TN TN- HD DNS TO BRITT, MD-XLN,
RE-XLN MTRX, V/ FOSS, TR IMBD SFT WHT
CHLK IP, SLI TR IMBD DISS PYR,LT YEL MIN
FLO, NO VIS POR, NO VIS SHOW

SH- BLK SFT CARB

LS- OFF WHT CRM BFF- HD TO MD HD ,
MD-XLN RE-XLN MTRX, FOSS FRGS IP, ABDT
SCT IMBD SFT WHT CHLK IP, NO FLO, NO VIS
POR, NO VIS SHOW



LeCOMPTON 3091' - 1113'

SH- LT TN TN- HD DNS , MD-F-XLN , RE-XLN, ABDT IMBD FOSS AND FRGS THRU, ABDT WHT TN CHRT, SMLL CALC XLS IP, DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- BLK SFT CARB

LS- CRM BFF OFF WHT- HD DNS TO V/ BRITT, V/ SUCRO MTRX TO MD-XLN IP, SLI TR FOSS FRGS IP, SLI TR S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

3152 - 3154' LS- LT TN TN, DK TN OIL STN IN 20%(3 ROCKS), HD DNS F-V/F-XLN , S-SUCRO IP, V/ DLL YEL FLO IN 10%, V/ PR SCAT MICRO PP POR IN 10%, V/ SLI TR MICRO VUG POR IP, GD FLSH CUT TO FR SLO STRM CUT, NO ODOR, LT TN OIL STN ON DISH

3165- 3170' LS CRM LT TN TN, OIL STN IN 60%, HD V/ BRITT, MD-XLN RE-XLN MTRX, V/ FOSS , SMLL IMBD OO IP, SMLL CALC XLS IP, V/ S-CHLKY TO TR SFT WHT CHLK, DLL YEL FLO IN 80%, TR SCAT BRIT YEL GLD FLO IN 10%, PR TO TR FR INTER-XLN PP POR, TR PR SCAT INTER-FOSS POR IP, GD FLSH TO GD SLO STRM MLKY BLU CUT IN 50%, TN STN ON DISH, FR OIL ODOR

LS- LT TN TN- HD DNS TO BRITT, MD XLN TO TT SUCRO MTRX, ABDT IMBD FOSS FRGS THRU, TR IMBD SMLL ANG LM GRNS IN, NO FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3215' - 1237'

SH- BLK SFT CARB

SH- LT GY TO V/ LT GRN, FRM BLKY SMTH TXT

LS - OFF WHT TO WHT / V/ SUCRO MTRX TO F-XLN IP, HVT TR ABDT SFT WHT CHLK, ABDT WHT CHRT, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

3242 TO 3244' LS - CRM LT TN TN 9 LT TN STN IN 60%) HD V/ BRITT, V/ SUCRO MTRX, TR FOSS FRGS IMBD IP, SLI AREN TXT, SLI TR WHT CHLK IP, DLL YEL GLD FLO IN 60%, DLL YEL FLO IN 40%, PR TO TR FR MICRO PP POR IP, LT FLSH CUT TO LT SLO STRM GSSY CUT, NO ODOR

DOUGLAS 3248' - 1270'

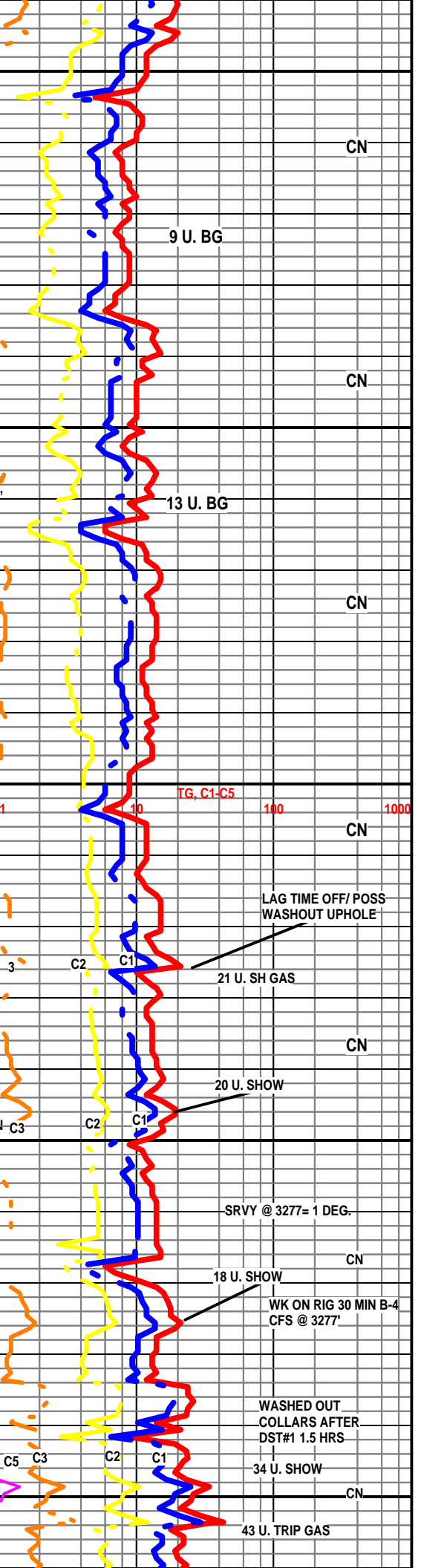
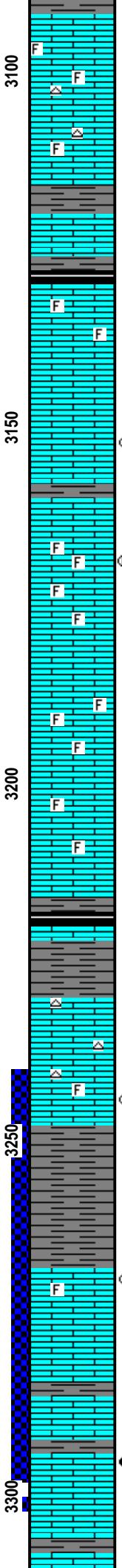
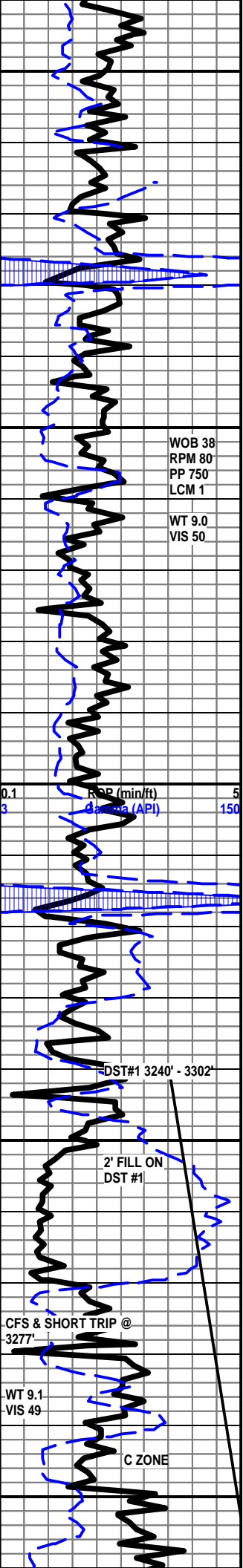
SH- LT GY GY- FRM IP TO V/ SFT SLTY TXT

LANSING 3268' - 1290'

3268- 3270' LS- CRM LT TN LT BRN(DUE TO OIL IN 70%)HD DNS TO BRITT IP, MD-XLN RE-XLN MTRX F-XLN IP, FOSS FRGS IMBD IP, SCAT IMBD LRG CALC XLS IP, BRIT YEL GLD FLO IN 90%, PR TO TR GD INTER-FOSS POR IN 10%, PR TO TR FR INTER-XLN PP POR IN 30%, G FLUSH CUT TO V/ GD SLO STRM CUT IN 80%, GD OIL ODOR

LANSING "C" 3294' - 1316'

3294-3299 LS- LT TN DK TN (DUE TO OIL STAIN IN 70%) ,HD BRITT, MD- XLN, RE-XLN MTRX, V/FOSS, MD OOL IP, HVY TR SM CALC XLS SCAT THRU, BRIT YEL GLD FLO I 80%, DLL YEL GLD FLO IN 20%, PR TO FR VIS INT-FOSS POR IN 60%, FR SCAT MICRO VUG POR THRU, GD FLSH CUT TO V/GD TO EXCEL SLO STRM MLKY BLUE CUT IN 80%. FR OIL ODOR. LT TN LCH ON DIS



WOB 38
RPM 80
PP 750
LCM 1
WT 9.0
VIS 50

DST#1 3240' - 3302'

2' FILL ON DST #1

CFS & SHORT TRIP @ 3277'

WT 9.1
VIS 49

C ZONE

LAG TIME OFF/ POSS WASHOUT UPHOLE

21 U. SH GAS

20 U. SHOW

SRVY @ 3277= 1 DEG.

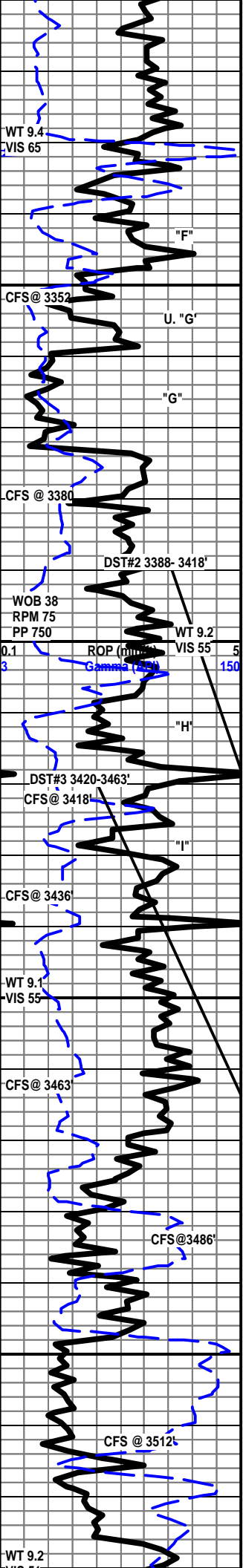
18 U. SHOW

WK ON RIG 30 MIN B-4 CFS @ 3277'

WASHED OUT COLLARS AFTER DST#1 1.5 HRS

34 U. SHOW

43 U. TRIP GAS



LS- CRM BFF -HD V/ DNS , F-V/F-XLN CRYPTO-XLN IP , TR RE-XLN IP, FOSS FRGS IMBD IP, DLL YEL FLO, NO VIS POR, NO VIS SHOW

SH- BLK SFT CARB TO DK G TO DK GRN, FRM BLKY SMTH TXT

3341' - LS-LT TN TN (TN TN IN 40%, HD DNS IP TO TR BRITT, MD-F-XLN RE-XLN MTRX, V/ FOSSS, SCAT IMBD SMLL OOL IP, TR SMLL IMBD CALC XLS IP, BRIT YEL GLD FLO IN 60%, DLL YEL GLD FLO IN 30% , NO FLO IN 10%, PR TO TR FR SCAT INTER-FOSS POR IN 20%, TR PR INT-OLL \$ PR MICRO VUG POR IN 15%, PR FLSH TO FR SLO STRM CUT IN 30%, GD OIL ODOR

3349-3351 LS-CRM TN BRN, (SCAT BRN OIL STN 30%) HD DNS, F-XLN, RE-XLN FOSS FRGS IP SLI TR MICRO OOL IP,GRDNG TO V/ SUCRO SUB-CHLKY TO CHLKY IN 80%, BRIT YEL GLD FLO IN 10% NO FLO IN 90%,NO FLSH CUT FR SL STRM CUT IN 10% NO CUT IN 90%,LT OIL ODOR

3352-3353' LS -LT TN TN (TN STN THRU) HD DNS TO BRITT IP, MD-XLN . V/ RE-XLN MTRX, V/ MICRO OOL, V/ FOSS THRU, SMLL CALC XLS IP, BRIT YEL GLD FLO THRU, PR TO FR VIS INTER-OOL POR IN 20%, PR TO FR VIS INTER-FOSS POR IN 10%, WK FLSH TO PR TO TR FR SLO STRM CUT IN 20%, NO ODOR

3345- 73. LS- CRM OFF WHT LT, HD V/BRITT, MD-XLN, V/RE-XLN MTRX, V/ OOLMLD, IMBD FOSS FRGS IP, ABDT IMBD SFT WHT CHLK, TR WHT CHRT, SCAT BRIT YEL FLO IN 20%, TO DLL YEL MIN FLO EXCEL OOLMLD POR TO V/ GD VUG POR THRU, NO VIS CUT OR SHOW, FLEETING SULPHUR ODOR IN SAMPLES

3412'-3416' LS- LT TO TN BRN, STAIN IN 80%, HD DNS TO V/BRITT, MD TO FN XLN TO RE-XLN MTRX THRU, IMBD FOSS FRGS IP, IMBD ANG LM GRNS IP, ABDT OILY LM GRNS IN TRAY, BRITT YEL GLD FLO IN 100%, SLI TR WHT CHLK IP, PR TO FR TO GD VIS INTR-XLN POR IN 40% TO FR VIS INTR- FOSS POR IP, EXCL INST FLUSH CUT IN 100% TO EXCL STRONG SLOW MLKY BLUE CUT THRU, BRN LCH ON DISH, STRONG OIL ODOR

3426- 3428' LS- OFF WHT CRM TN LT BRN(TN STN IN 60%), HD TO V/V/ BRITT, MD-XLN IP, RE-XLN MTRX GRDNG TO SUCRO SLI S-CHLKY IP, IMBD SMLL TO MD ANG LM GRNS IP, SMLL CALC XLS IMBD IP,BRIT YEL GLD FLO IN 60%, DLL YEL FLO IN 40%, PR TO FR VIS INTER-XLN POR, TR SCAT MICRO VUG POR IP, GD FLSH CUT TO GD SLO STRM CUT IN 50%, GD OIL ODOR, TN STN ON DISH

3442-3443- LS WHT OFF WHT BLK DUE TO DOS SCAT THRU, HD TO BRITT, MD-XLN TO S-CHLKY TO CHLKY MTRXM HVY TR SCAT IMBD FOSS FRGS, TR IMBD OOL IP, SLI TR BRIT YEL FLO, DLL YEL FLO THRU, NO VIS POR, NO FLSH TO VV/WK SLO STRM CUT ON 30%, NO ODOR

LS- CRM LTN TN- HD DNS F-V/F-XLN SLI TR RE-XLN IP , TR FOSS IP, SLI TR WTHRD CHRT, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

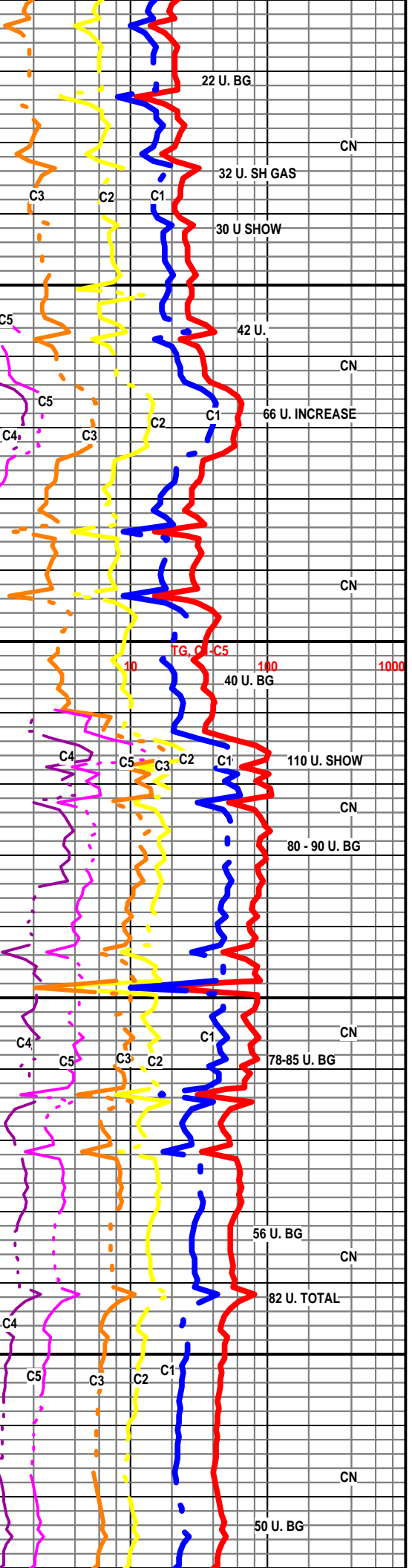
SH- LT TO MD GY- FRM BLK SMTH TXT

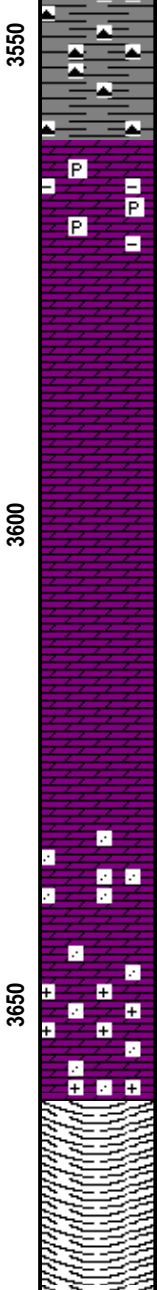
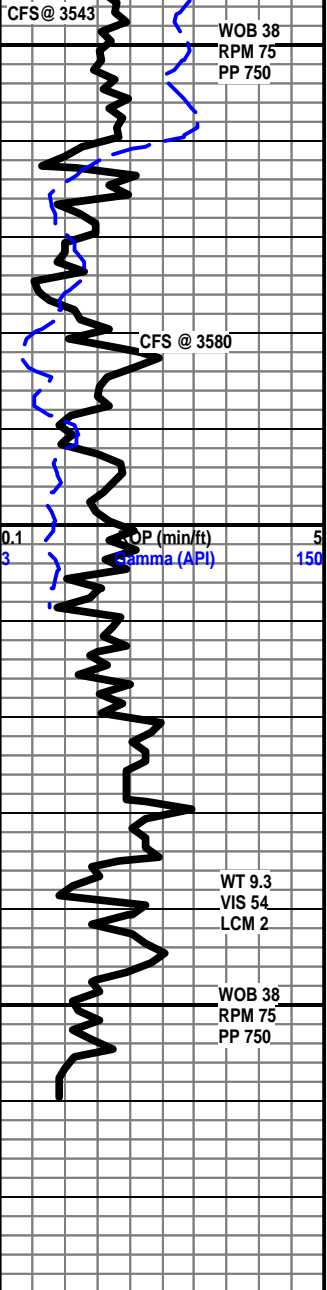
3487-3488 LS- OFF WHT LT TN TN DUE TO OIL STN IN 50%, HD V/ BRITT, MD-XLN RE-XLN MTRX, V/ OOLMLD , TR IMBD SMLL OOL IP, ABDT IMBD SMLL CALC XLS , BRIT YEL GLD FLO IN 50% TO DLL YEL GLD FLO IN 50%, GD VIS OOLMLD TO SCAT MICROVUG POR IP, GD FLSH CUT TO V/GD SLO STRM CUT IN 50%, NO ODOR

BASE KAN. CITY 3498' - 1520'

SH- RED GRN- FRM BLKY GRNY TXT TO SFT GMMY IP

LS- CRM BFF- HD DNS F-XLN TO MD-XLN IP, NO FLO, NO VIS POR NO VIS SHOW





SH- RED DK RD, V/ SFT GMMY TXT ABDT
IMBD WTHRD CHRT

ARBUCKLE 3660' - 1582'

DOLO- WHT OFF WHT- HD DNS TO BRITT,
F-XLN TO CRS SUCRO MTRX, ABDT DOS IP,
SCAT IMBD DISS PYR IP, HVY TR ABDT SFT
WHT CHLK, SLI TR IMBD GRN CLAY, LT BRIT
YEL MIN FLO, PR VIS INTER-XLN POR TO NO
VIS POR, SLI V/ WK GSSY CUT

DOLO- WHT OFF WHT- HD TO BRITT, F-XLN
TO CRS SUCRO MTRX, HVY TR ABDT SFT
WHT CHLK, LT BRIT YEL MIN FLO, PR VIS
INTER-XLN POR TO SCAT VUG POR IP, NO
VIS SHOW

DOLO- WHT OFF WHT- HD DNS TO BRITT,
F-XLN TO V/F-XLN TO CRS SUCRO MTRX,
ABDT SFT WHT CHLK, LT BRIT YEL MIN FLO,
PR VIS INTER-XLN POR , NO VIS SHOW

DOLO- WHT OFF WHT- HD TO BRITT, F-XLN TO CRS
SUCRO MTRX, ABDT SFT WHT CHLK, LT BRIT YEL MIN
FLO THRU, PR VIS INTER-XLN POR TO V/ PR SCAT VUG
POR IP, NO VIS SHOW

DOLO- WHT OFF WHT- HD TO BRITT, F-XLN TO V/F-XLN
TO CRS SUCRO MTRX, ABDT IMBD S-ANGTO S-RND MD
CLR QURTZ GRNS THRU, LT BRIT YEL MIN FLO, PR VIS
INTER-XLN POR , NO VIS SHOW

DOLO- OFF WHT LT TN TN - HD TO BRITT, CRS SUCRO
MTRX, ABDT IMBD S-ANGT O S-RND MD CLR QURTZ
GRNS THRU, SCAT FLDSR THRU, LT BRIT YEL MIN FLO,
PR TO FR VIS INTER-XLN POR , NO VIS SHOW

R.T.D. @ 11:00 7/16/2011

CTCH 1.5

DROP SURVEY

TOFL

WEATHERFORD / LIBERAL

