



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
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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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
-------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	HIPP-LIEBL ET AL 1-36
Doc ID	1057706

All Electric Logs Run

DIL
MICRO
POR
SONIC

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



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

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

Sam Brownback, Governor

June 14, 2011

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

Re: ACO1
API 15-009-25517-00-00
HIPP-LIEBL ET AL 1-36
SW/4 Sec.36-17S-12W
Barton 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



V1103-AP-87

QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 2/22/2011
 Invoice # 4694

P.O.#:
 Due Date: 3/24/2011
 Division: Russell

3/17

Invoice

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

Reference:
 LIEBEL 1-36

Description of Work:
 SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200-138
Well/Prospect	HIPP-LIEBL ET.AL 1-36
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:

	Quantity	Price	Taxable
Labor		\$ 722.89	No
Common-Class A	180	\$ 2,318.00	Yes
Bulk Truck Matl-Material Service Charge	189	\$ 399.00	No
Calcium Chloride	6	\$ 238.51	Yes
Pump Truck Mileage-Job to Nearest Camp	23	\$ 242.29	No
Bulk Truck Mileage-Job to Nearest Bulk Plant	23	\$ 141.78	No
Premium Gel (Bentonite)	3	\$ 51.55	Yes

Item Quantity Price Taxable

Invoice Terms:

Net 30

SubTotal: \$ 4,114.03
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (617.10)

SubTotal for Taxable Items: \$ 2,216.86
 SubTotal for Non-Taxable Items: \$ 665.61

8.30% Russell County Sales Tax

Total: \$ 3,496.92
 Tax: \$ 184.00

Thank You For Your Business!

Amount Due: \$ 3,680.92
Applied Payments:
Balance Due: \$ 3,680.92

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 2/25/2011
 Invoice # 4513

P.O.#:
 Due Date: 3/27/2011
 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	8200-145
Well/Prospect	HIPP-LIEBL ET AL 1-36
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 HIPP-LIEBL ET AL 1-36

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 921.54	No				
Common-Class A	111	\$ 1,429.43	Yes				
Bulk Truck Mat-Material Service Charge	191	\$ 403.22	No				
POZ Mix-Standard	74	\$ 359.31	Yes				
Pump Truck Mileage-Job to Nearest Camp	23	\$ 242.29	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	23	\$ 141.78	No				
Flo Seal	56	\$ 118.22	Yes				
Premium Gel (Bentonite)	6	\$ 103.11	Yes				
Dry Hole Plug	1	\$ 59.11	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,778.02
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (566.70)

SubTotal for Taxable Items: \$ 1,758.81
 SubTotal for Non-Taxable Items: \$ 669.20

7.30% Barton County Sales Tax

Total: \$ 3,211.32
 Tax: \$ 128.39
Amount Due: \$ 3,339.71
Applied Payments:
Balance Due: \$ 3,339.71

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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RECEIVED

MAR 08 2011

SAMUEL GARY JR.
 & ASSOCIATES, INC.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 4513

Date 2/23/11 Sec. 36 Twp. 17 Range 12 County Barton State KS On Location _____ Finish 8:30 AM

Lease → Well No. 1-36 Location Hwy 4 + Odessa Rd, 1/2 E, N into

Contractor Royal Drilling Rig #2 Owner _____
Type Job Plug To Quality Oilwell Cementing, Inc.
Hole Size 7 7/8" T.D. 3480' You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Csg. _____ Depth _____ Charge To Samuel Gavy Jr. + Associates, Inc.
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 _____

EQUIPMENT

Pumptrk 9 No. Paul Cementer Paul Helper _____ Common ///
Bulktrk 10 No. Rocky Driver Rocky Poz. Mix 74
Bulktrk PV No. Dave Driver Dave Gel. 6

JOB SERVICES & REMARKS

Remarks: HIPP-LIEBL ET AL Calcium _____
Rat Hole 30 ex Hulls _____
Mouse Hole 15 ex Salt _____
Centralizers _____ Flowseal 46#
Baskets _____ Kol-Seal _____
Mud CLR 48 _____
D/V or Port Collar _____ CFL-117 or CD110 CAF 38 _____
3456' - 25 ex Sand _____
720' - 25 ex Handling 191
400' - 80 ex Mileage _____
40' - 10 ex

FLOAT EQUIPMENT

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

Thank You!!

8 5/8" Dry Hole Plug

Pumptrk Charge plug
Mileage 23

Tax _____
Discount _____
Total Charge _____

X Signature Paul



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

KANSAS CORPORATION COMMISSION 1052348
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING RECORD
 K.A.R. 82-3-117

Form CP-4
March 2009

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

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



DRILL STEM TEST REPORT

Prepared For: **Sam Gary & Associates Inc**

1515 Wynkoop Ste 700
Denver Co 80202

ATTN: Clayton Camozzi

36-17-12-Barton-Ks

Hipp Liebl Et Al 1-36

Start Date: 2011.02.22 @ 06:47:51

End Date: 2011.02.22 @ 14:11:51

Job Ticket #: 041686 DST #: 1

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary & Associates Inc

Hipp Liebl Et Al 1-36

1515 Wynkoop Ste 700
Denver Co 80202

36-17-12-Barton-Ks

Job Ticket: 041686

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.02.22 @ 06:47:51

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:47:11

Time Test Ended: 14:11:51

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3378.00 ft (KB) To 3392.00 ft (KB) (TVD)

Reference Elevations: 1845.00 ft (KB)

Total Depth: 3392.00 ft (KB) (TVD)

1838.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 106.37 psig @ 3379.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.22 End Date: 2011.02.22

Last Calib.: 2011.02.22

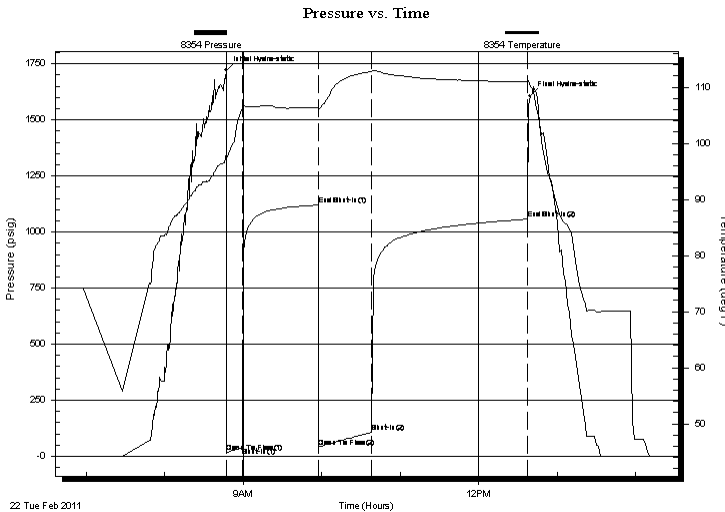
Start Time: 06:57:51 End Time: 14:11:51

Time On Btm: 2011.02.22 @ 08:47:01

Time Off Btm: 2011.02.22 @ 12:39:21

TEST COMMENT: IF 10 MIN-Weak building to 2"
ISI 60 MIN- No Blow
FF 40 MIN-Weak building to 5"
FSI 120 MIN-No blow

PRESSURE SUMMARY



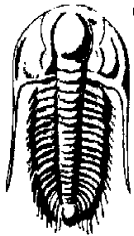
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1720.58	97.87	Initial Hydro-static
1	16.57	97.31	Open To Flow (1)
13	38.18	106.21	Shut-In(1)
71	1120.65	106.35	End Shut-In(1)
71	42.64	105.92	Open To Flow (2)
111	106.37	112.78	Shut-In(2)
231	1057.29	110.96	End Shut-In(2)
233	1607.45	110.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mdy Wtr 80%w 20%m	2.81

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary & Associates Inc

1515 Wynkoop Ste 700
Denver Co 80202

ATTN: Clayton Camozzi

Hipp Liebl Et Al 1-36

36-17-12-Barton-Ks

Job Ticket: 041686

DST#: 1

Test Start: 2011.02.22 @ 06:47:51

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:47:11

Time Test Ended: 14:11:51

Interval: **3378.00 ft (KB) To 3392.00 ft (KB) (TVD)**

Total Depth: 3392.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Reference Elevations: 1845.00 ft (KB)

1838.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8520 Outside

Press @RunDepth: psig @ 3379.00 ft (KB)

Start Date: 2011.02.22

End Date: 2011.02.22

Start Time: 06:48:12

End Time: 14:11:41

Capacity: 8000.00 psig

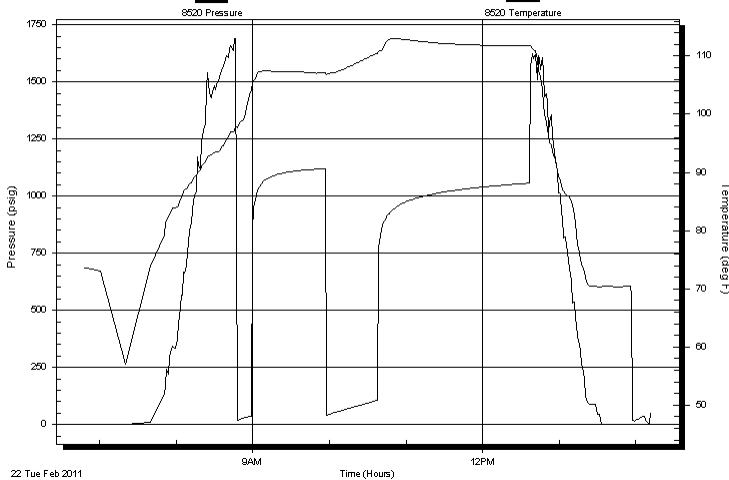
Last Calib.: 2011.02.22

Time On Btm:

Time Off Btm:

TEST COMMENT: IF 10 MIN-Weak building to 2"
ISI 60 MIN- No Blow
FF 40 MIN-Weak building to 5"
FSI 120 MIN-No blow

Pressure vs. Time



PRESSURE SUMMARY

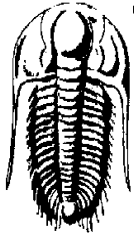
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mdy Wtr 80%w 20%m	2.81

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary & Associates Inc

1515 Wynkoop Ste 700
Denver Co 80202

ATTN: Clayton Camozzi

Hipp Liebl Et Al 1-36

36-17-12-Barton-Ks

Job Ticket: 041686

DST#: 1

Test Start: 2011.02.22 @ 06:47:51

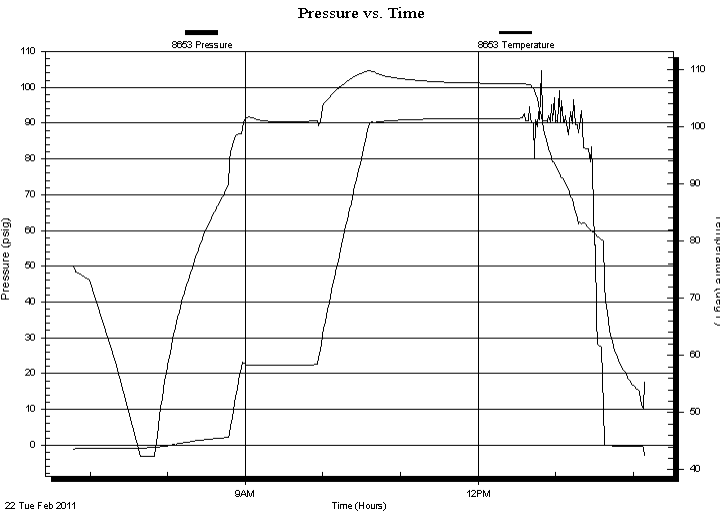
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:47:11
 Time Test Ended: 14:11:51
Interval: 3378.00 ft (KB) To 3392.00 ft (KB) (TVD)
 Total Depth: 3392.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38
 Reference Elevations: 1845.00 ft (KB)
 1838.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8653 Inside

Press @ Run Depth: psig @ 3343.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.02.22 End Date: 2011.02.22 Last Calib.: 2011.02.22
 Start Time: 06:47:18 End Time: 14:09:17 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF 10 MIN-Weak building to 2"
 ISI 60 MIN- No Blow
 FF 40 MIN-Weak building to 5"
 FSI 120 MIN-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mdy Wtr 80%w 20%m	2.81

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary & Associates Inc

Hipp Liebl Et Al 1-36

1515 Wynkoop Ste 700
Denver Co 80202

36-17-12-Barton-Ks

Job Ticket: 041686

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.02.22 @ 06:47:51

Tool Information

Drill Pipe:	Length: 3364.00 ft	Diameter: 3.80 inches	Volume: 47.19 bbl	Tool Weight: 3200.00 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: 47.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3378.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Recorder	0.00	8653	Inside	3343.00	
Blank Spacing	5.00			3348.00	
Shut In Tool	5.00			3353.00	
Sampler	3.00			3356.00	
Hydraulic tool	5.00			3361.00	
Jars	5.00			3366.00	
Safety Joint	3.00			3369.00	
Packer	5.00			3374.00	35.00 Bottom Of Top Packer
Packer	4.00			3378.00	
Stubb	1.00			3379.00	
Recorder	0.00	8354	Inside	3379.00	
Recorder	0.00	8520	Outside	3379.00	
Perforations	10.00			3389.00	
Bullnose	3.00			3392.00	14.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary & Associates Inc

Hipp Liebl Et Al 1-36

1515 Wynkoop Ste 700
Denver Co 80202

36-17-12-Barton-Ks

Job Ticket: 041686

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.02.22 @ 06:47:51

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:

25000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	Mdy Wtr 80%w 20%m	2.805

Total Length: 200.00 ft Total Volume: 2.805 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

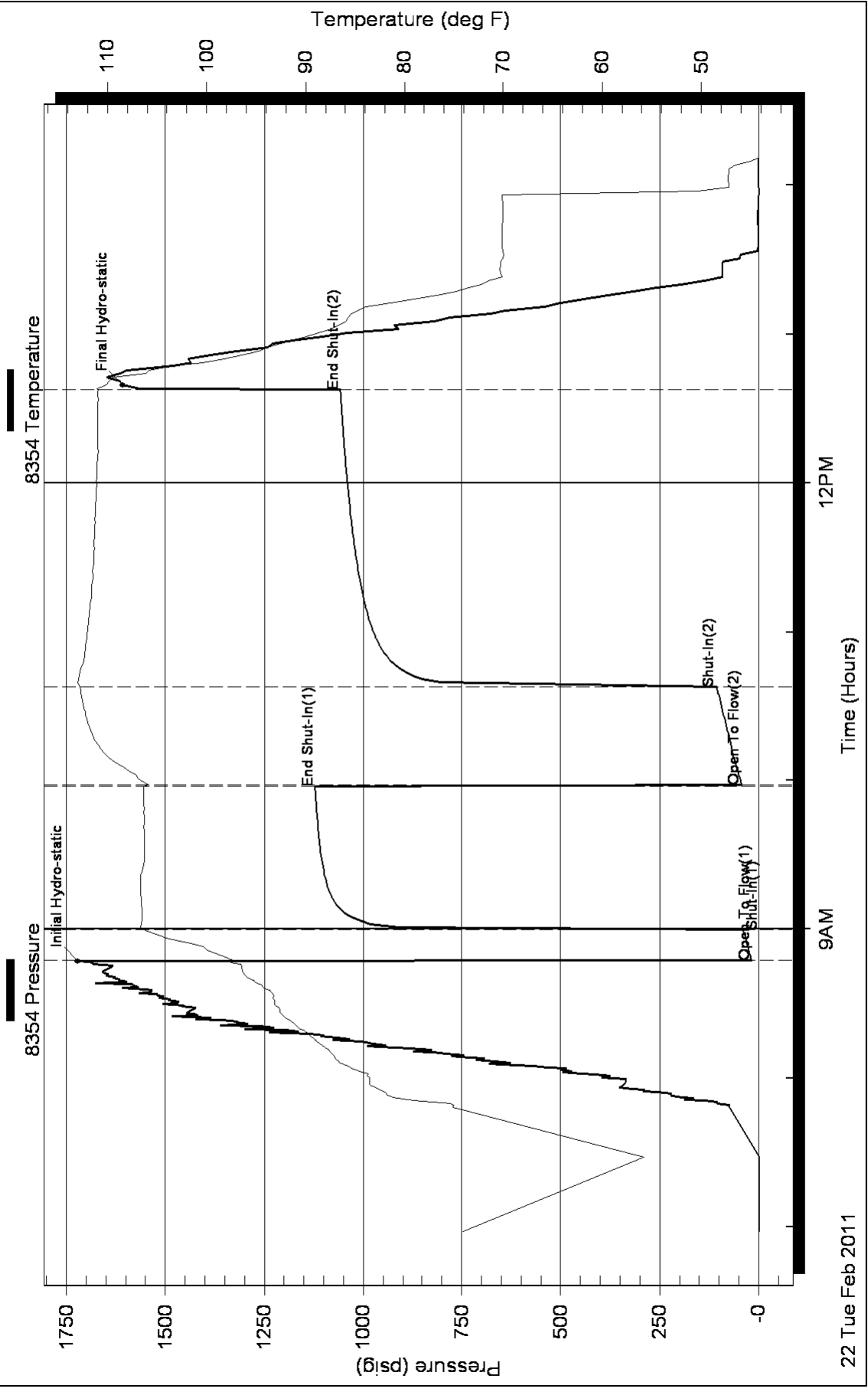
Serial #:

Laboratory Name:

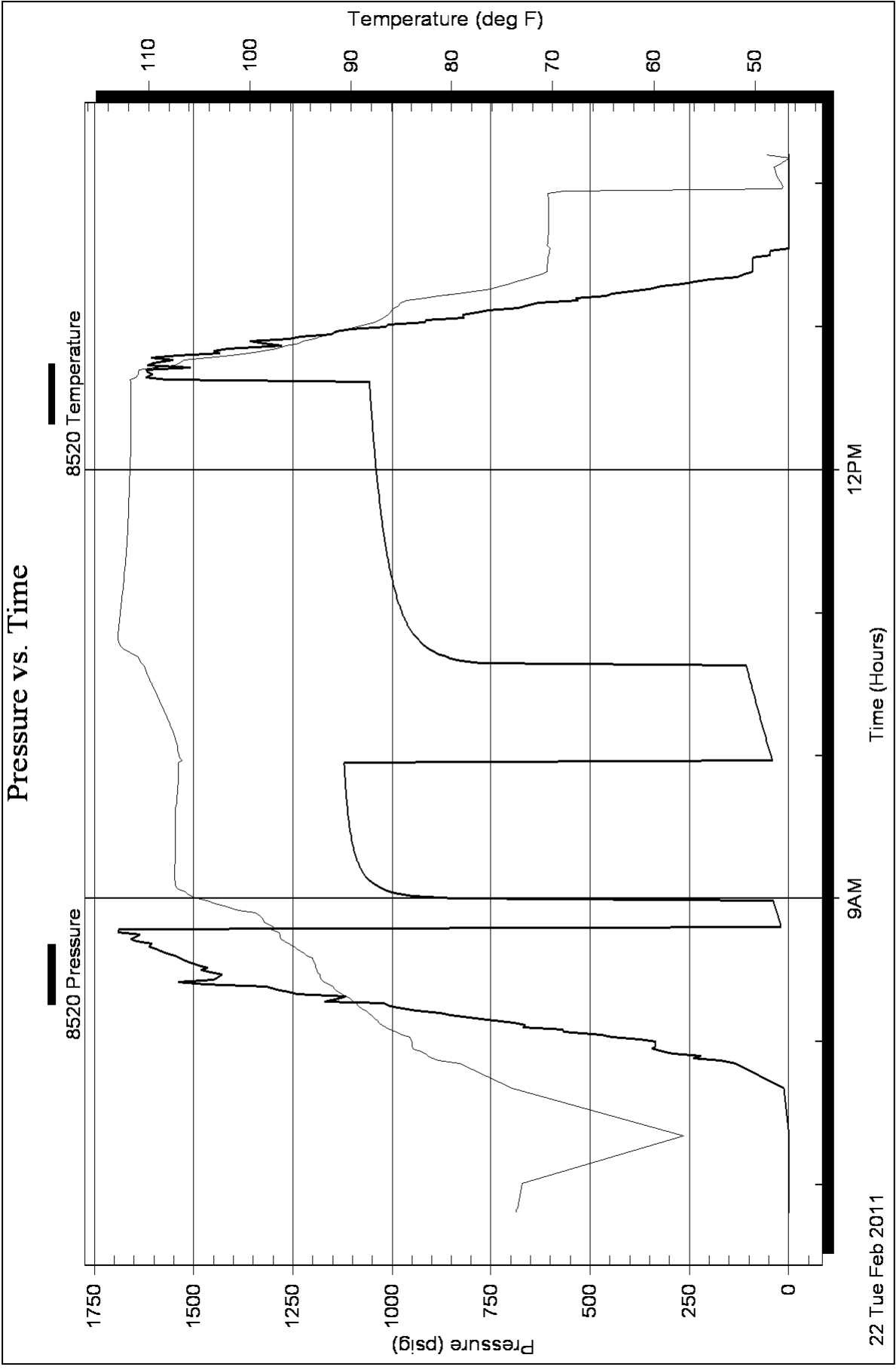
Laboratory Location:

Recovery Comments: SAMPLE GAS OIL MUD WATER 4000ml PRESSURE900psi TOTAL4000

Pressure vs. Time



Pressure vs. Time



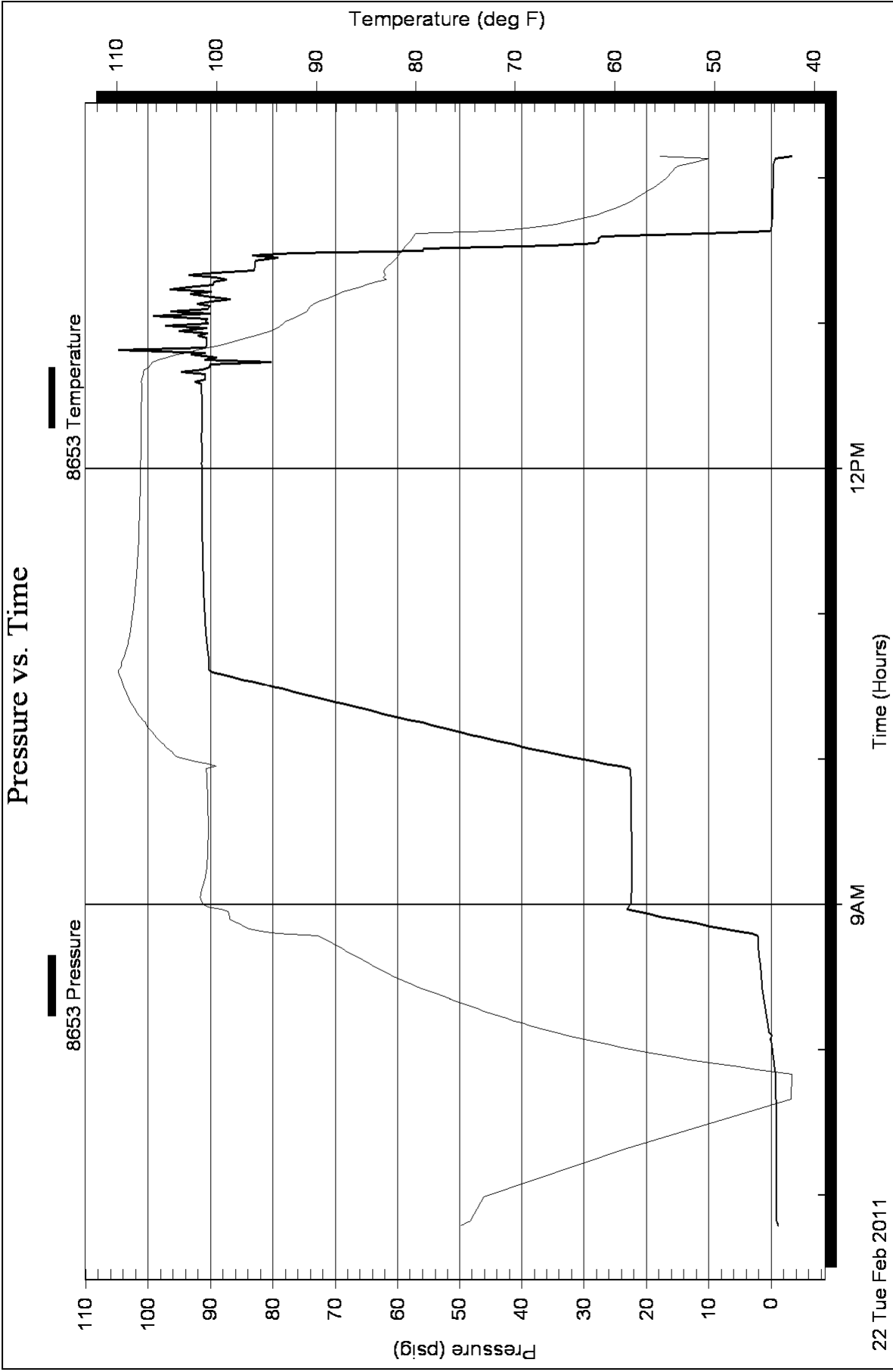
Serial #: 8653

Inside

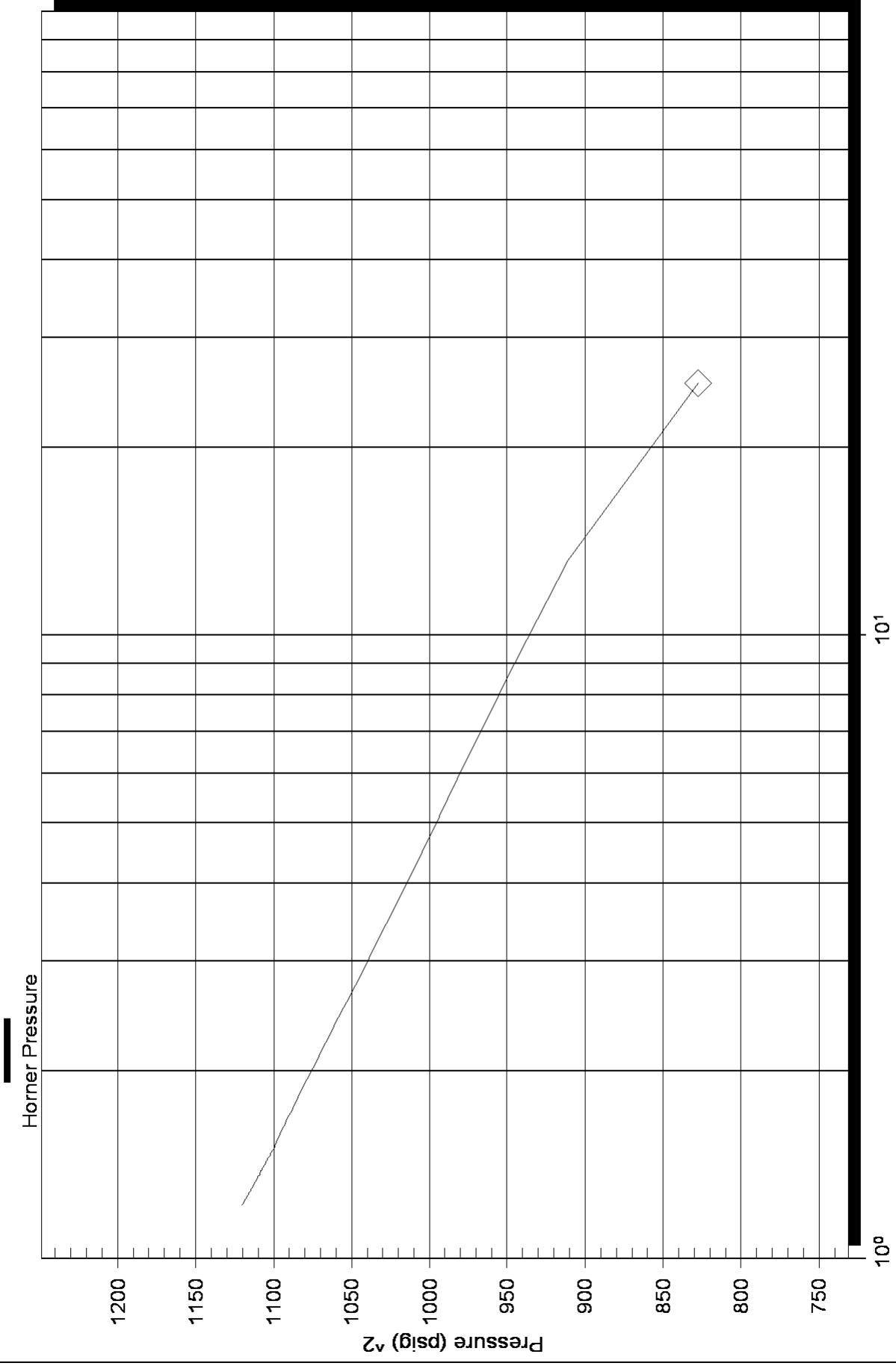
Sam Gary & Associates Inc

36-17-12-Barton-Ks

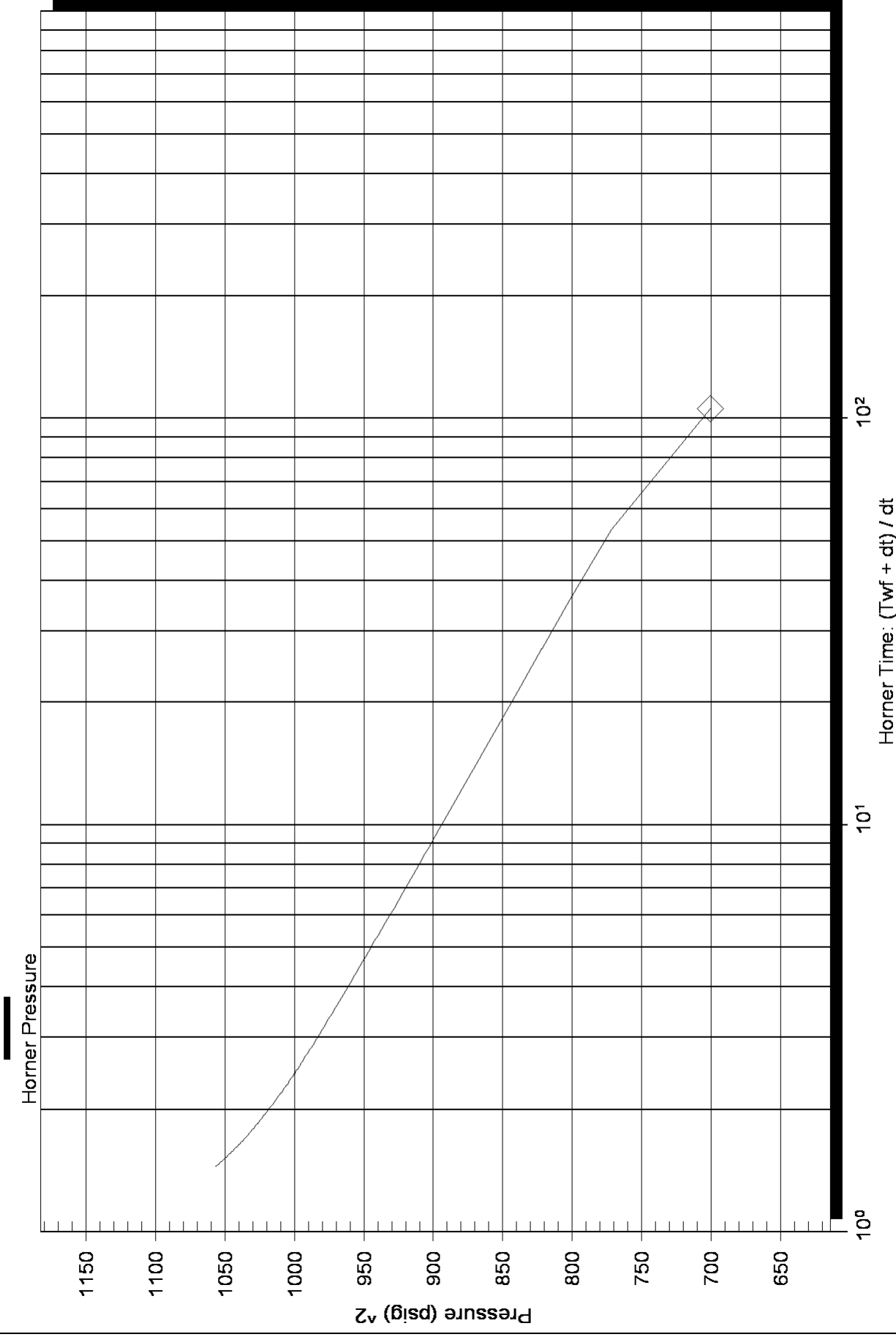
DST Test Number: 1



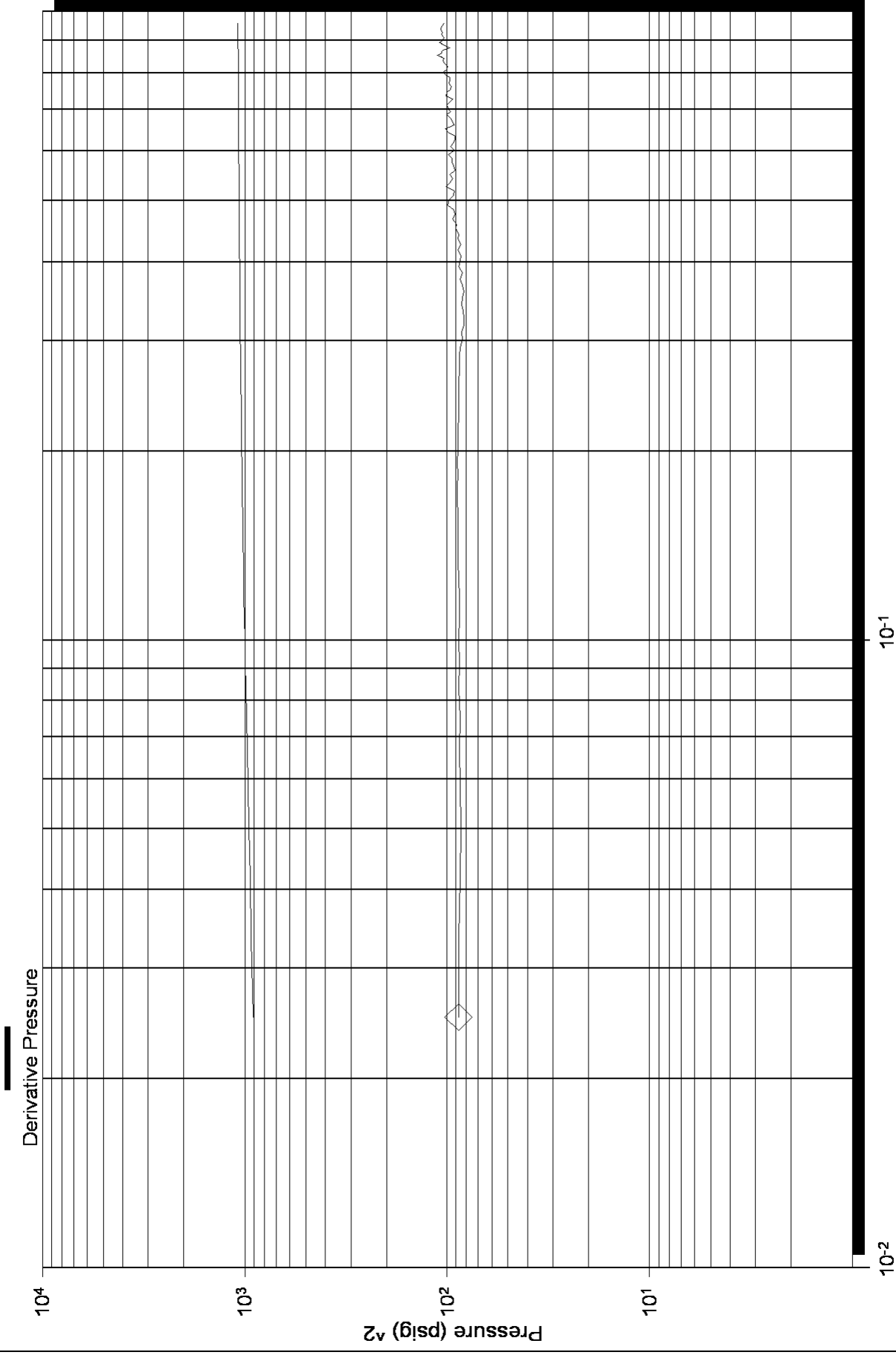
Homer Plot



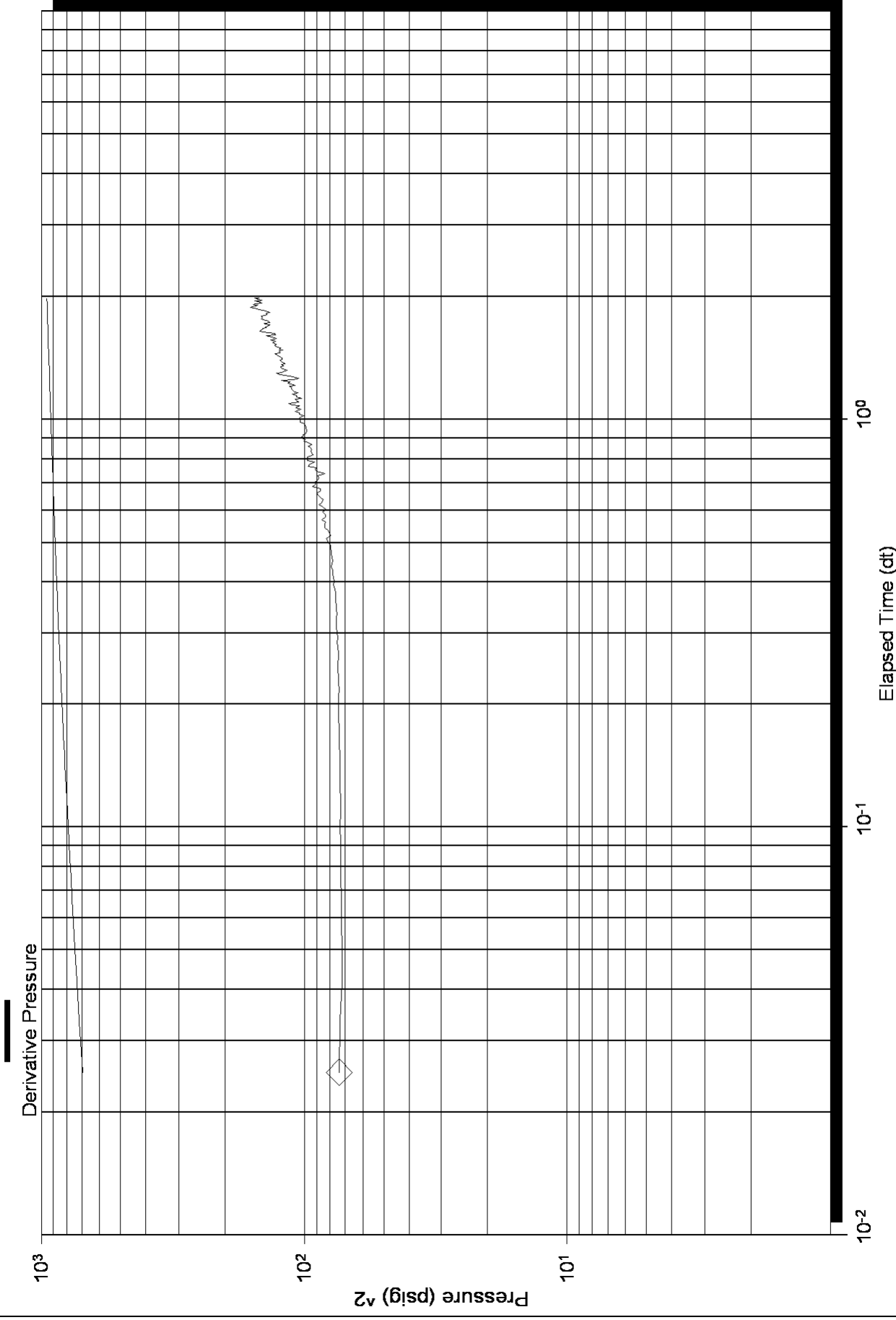
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





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

Well Name: Hipp-Liebl ET AL 1-36
Location: Sec 36 17S 12W, Barton , Kansas
License Number: 15-009-25517-0000
Spud Date: 02/17/2011
Surface Coordinates: 175" FSL & 1610' FWL
Region: Wildcat
Drilling Completed: 02/22/2011

Bottom Hole Coordinates:

Ground Elevation (ft): 1838' K.B. Elevation (ft): 1845'
Logged Interval (ft): 2650' To: 3480' Total Depth (ft): 3480'
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, Colo. 80202
Geologist: MR. Clayton Camozz

GEOLOGIST

Name: Rodney Napier
Company: Earth Tech OGL, Inc.
Address: PO Box 683
Hooker, Okla . 73945
Off. 888-543-8378 Cell: 620-282-8377



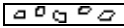
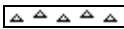


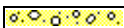





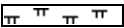



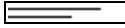





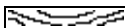







GEN. INFO. Report

Start one man unit 02/20/11 5:35 am
 Displaced 2618'
 Start samples 2650'
 CFS/CTCH 15,30,45
 TOH FOR SHORT TRIP 00:45 AM 02/21/11
 TIH CTCH 1.5 HRS DUE TO TIGHT HOLE AND BRIDGES
 RTN TO DRILL 5:30 AM
 CFS 3168 15,30,45,60
 CFS 3392' 15,30,45,60
 SHORT TRIP TO 3380'
 TIH CTCH 45 MIN
 TOH DST#1
 TD3480' 8:35 PM 02/22/11
 CFS/CTCH 20,40,60
 TOH FOR LOGS

DST information

DST#1 3378'-3392'
 IF:WEAKBUILDING TO 2" FF:WEAK BUILDING TO 5"
 RECOVERY 200' WATER CLORIDES 25,000 BHT:110
 IH:1720
 FIF:16
 FFF:38
 ISI:1120
 SIF:42
 SFF:106
 FSI:1057
 FH:1607
 TIMES:10,60,40,120

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  Sltysch  Lms
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ACCESSORIES

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

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

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

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

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

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

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

OTHER SYMBOLS

- POROSITY TYPE**
- Earthy
 - Fenest
 - Fracture
 - Inter
 - Moldic
 - Organic
 - Pinpoint
 - Vuggy

- SORTING**
- Well
 - Moderate
 - Poor

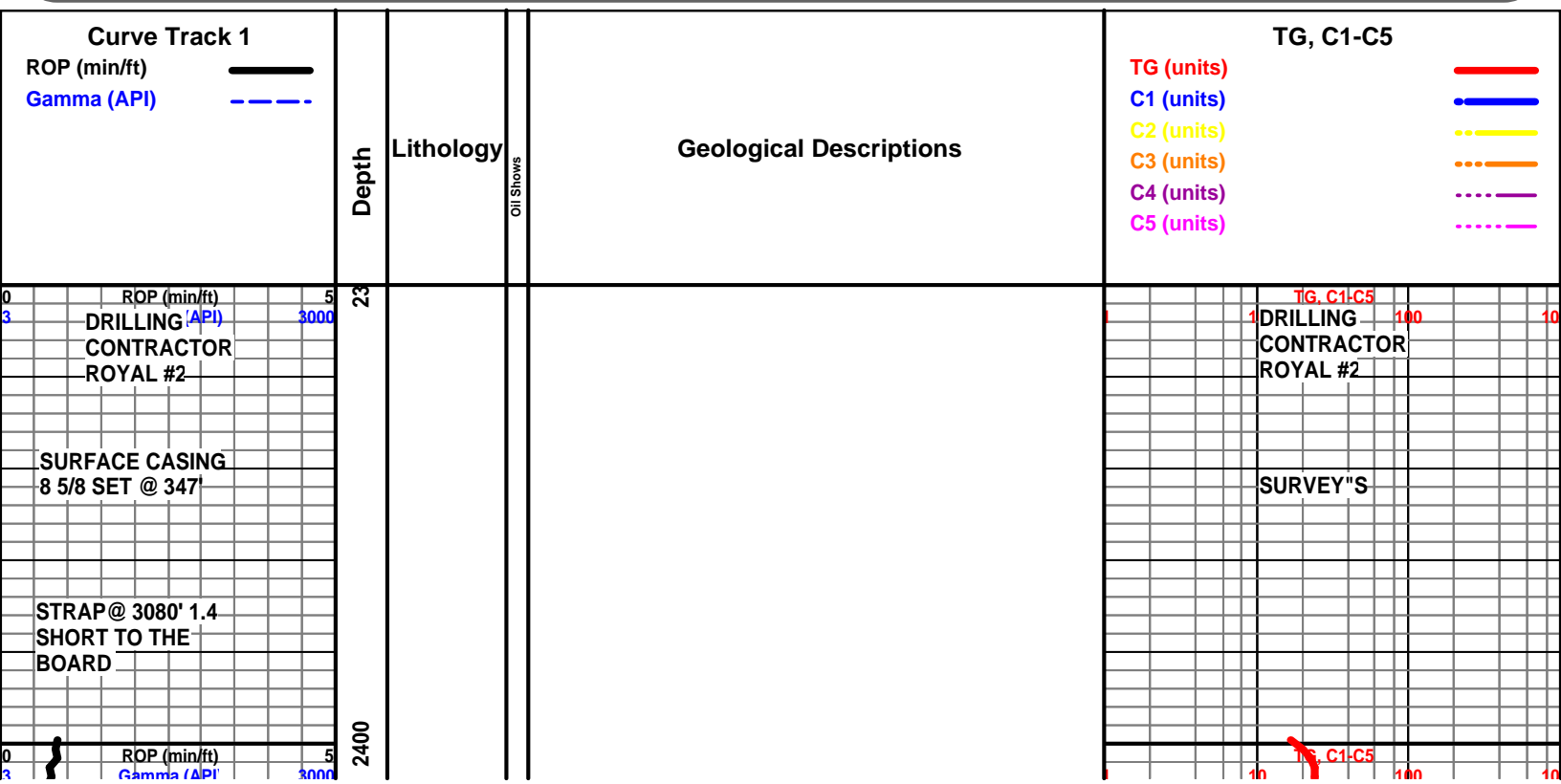
- Angular

- INTERVALS**
- Core
 - Dst
 - Dst

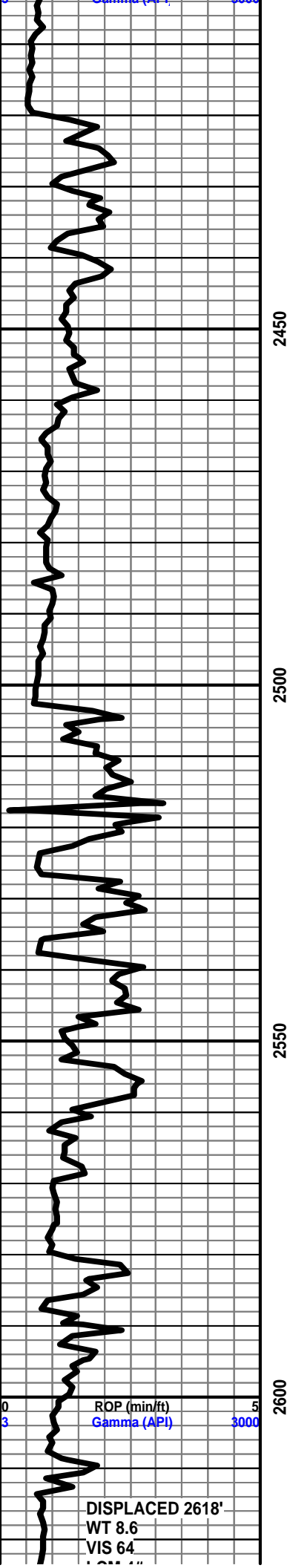
- ROUNDING**
- Rounded
 - Subrnd
 - Subang

- OIL SHOWS**
- Even
 - Spotted
 - Ques
 - Dead
 - Gas show

- EVENTS**
- Rft
 - Sidewall



BRS 2420' -575'



2450

2500

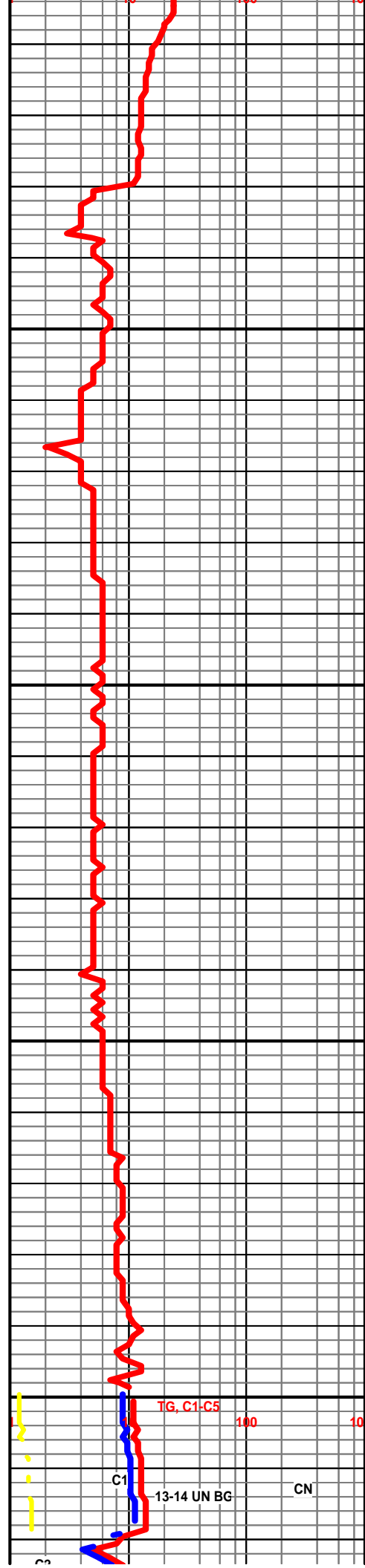
2550

2600

ROP (min/ft)
Gamma (API)

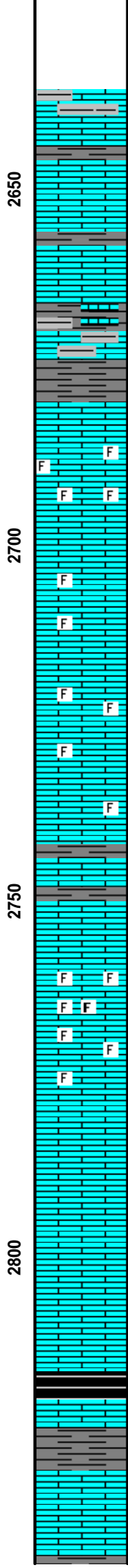
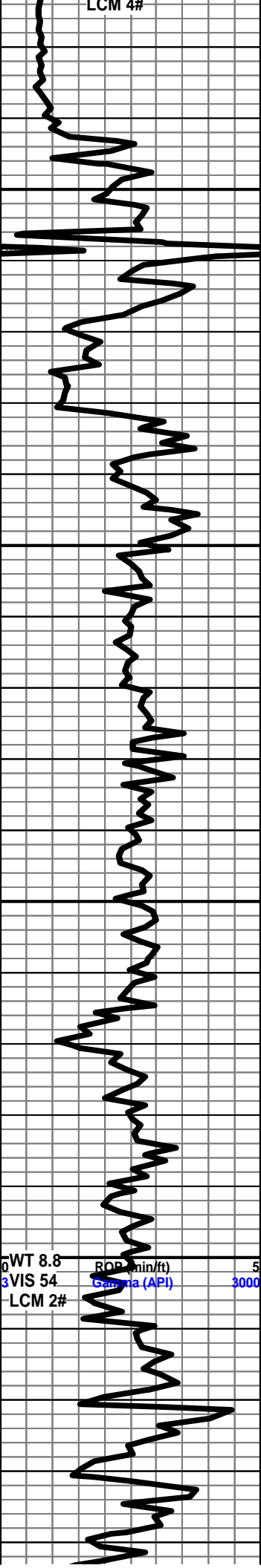
DISPLACED 2618'
WT 8.6
VIS 64

START ONE MANNED DATA



TG, C1-C5
100

C1
13-14 UN BG
CN



HOWARD 2642' -797'

LS DK TN TO TN GRY BUFF HD DN VFN TO FN XLN MTX SUCRO TXT IPTR DISS GRY SH IP NO FLO NO VIS POR NO VIS SHOW

LS DK GRY DK TN HD DN TT CRYPTO TO VVFN XLN MTX NO FLO NO VIS POR NO VIS SHOW

TOPEKA 2681' -836'

LS GRY TO LT GRY TN BUFF IP HD DN TT CRYPTO TO VVFN XLN MTX DISS GR SH VRY DULL LT YLW MIN FLO NO VIS POR NO CUT NO VIS SHOW

LS LT TN CRM BUF HD DN BRITT VFN TO FN XLN MTX RE-XLN MTX IMBD FOSS TR IMBD QRTZ XLS IP SCATT LT YLW FLO TO NO FLO NO VIS POR NO VIS SHOW

LS LT TN CRM BUFF TO OFF WHT FRM BRUITT VFN TO FN XLN MTX TR IMBD FOSS TR IMBD PYR IP IMBD HD FRM WHT CHLK LT YLW FLO TR PR PP TO MICRO PP POR NO CUT NO VIS SHOW

LS LT GRY TN LT TN CRM BUFF MOTT VFN TO FN XLN MTX RE-XLN MTX IP TR PYR NODULES SCATT FOSS FR IN TRAY NO FLO NO VIS POR NO VIS SHOW

LS LT GRY LT TN BUFF TO OFF WHT HD DN TT CRYPTO TO VVFN TO FN XLN MTX SUCRO TXT IP TR DISS LT GRY SH IP TR IMBD VRY SM LS GRNS NO FLO NO VIS POR NO VIS SHOW

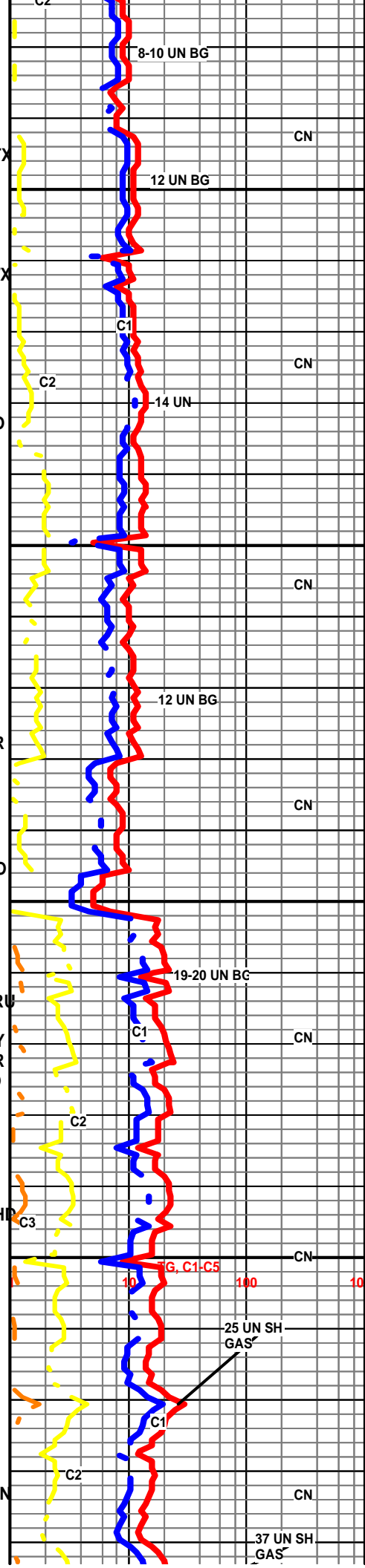
LS LT TN CRM BUFF TO OFF WHT LT GRY IP MOTT THRU FN TO MD XLN MTX TR IMBD CALC XLS IP IMBD FOSS LOOSE FOSS FRG IN TRAY TR LMNTD PYR SUB-CHLKY TR LT YLW FLO NO ODOR NO STAIN NO PR TO TR FAIR PP POR TR VUGS IP TO POSS FAIR INTER XLN POR NO CUT NO VIS SHOW

LS GRY LT GRY TO TN LT TN BUFF CRM TO OFF WHT HD DN TT CRYPTO TO VVFN TO FN XLN MTX RE-XLN IMBD FOSS TR IMBD LS GRNS TO TR IMBD CHERT IP SCATT LT YLW FLO TR TR LMNTD TO IMBD PYR NO FLO NO VIS POR NO VIS SHOW

SH BLK CARE

SH GRY TO LT GRY FRM SMOOTH HD CALC TO LMY

LS DK GRY TO GRY TN HD DN TT CRYPTO TO VVFN XLN MTX TR DISS GRY SH IP NO FLO NO VIS POR NO VIS SHOW

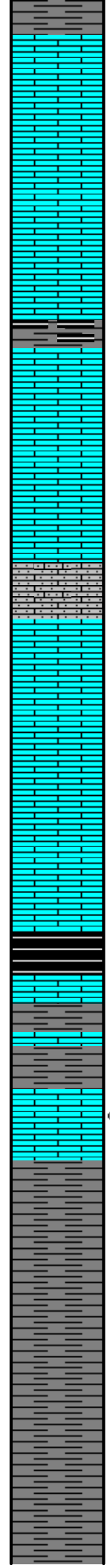
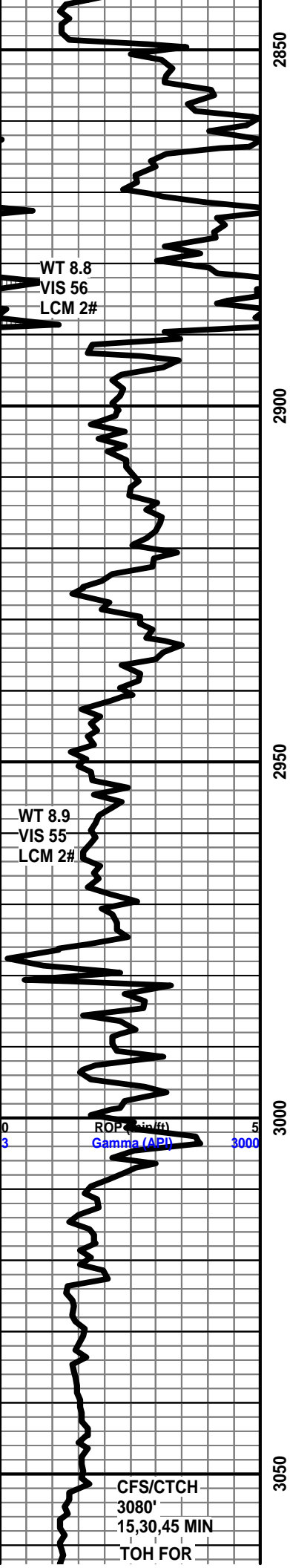


ROP (min/ft) 5
Gamma (API) 3000
WT 8.8
VIS 54
LCM 2#

10 100 1000

25 UN SH GAS

37 UN SH GAS



LE COMPTON 2848' -1003'

LS DK TN TO TN CRM BUFF HD DN VFN TO FN XLN MTX RE-XLN MTX TT SUCRO TXT WITH TR VR/SM LS GRNS IMBD IMBD FOSS TR DK CHERT TO LT WHT AND CRM CHERT NO FLO NO VIS POR NO VIS SHOW

SH DK GRY TO GRY FRM SMOOTH BRIT CALC TO LMY WITH TR BLK CARB SH IP

LS LT TN CRM BUFF TO OFF WHT FRM BRITT FN XLN MTX SUCRO TXT SUB-CHLKY IP TR LOOSE FOSS FRG IN TRAY SCATT LT YLW FLO NO VIS POR NO VIS SHOW

LS LT GRY TN LT TN HD FRM FN XLN MTX VRY SUCRO TXT WITH IMBD VR/FN SS GRNS NO FLO POSS INTER XLN POR NO FLO NO CUT NO VIS SHOW

LS TN LT TN CRM BUFF TO OFF WHT HD TO FRM BRITT VFN TO FN TO MD XLN MTX IMBD CHLK TO PCES HD FRM CHLK TR IMBD FOSS TR IMBD QRTZ XLS IP SCATT LT YLW FLO TR PR MICRO PP TO PP POR POSS TT INTER XLN POR NO CUT NO VIS SHOW

HEEBNER 2974' -1129'

SH BLK CARB

LS DK GRY TO GRY DK TN HD DN TT CRYPTO XLN MTX DISS BLK SH IP NO FLO NO VIS POE NO VIS SHOW

SH DK GRY TO GRY BLKY CALC TO LMY THRU

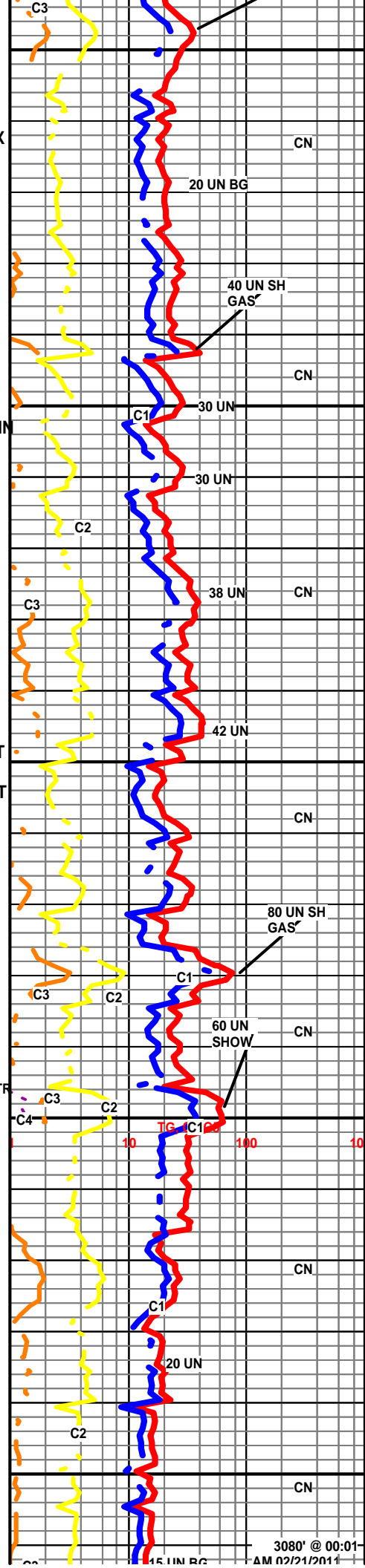
LS LT TN CRM BUFF FRM BRITT VFN TO FN XLN MT RE-XLN MTX IP TR IMBD CALC XLS IP LT YLW FLO 70% TR PP POR TO POSS TT INTER XLN POR VRY SLT TR STAIN ON TWO ROCKS FAINT FLEETING OIL ODOR VRY PR SPURTY MIKLY BLUE STREAM CUT FROM ONE ROCK TO LT YLW RING CUT POOR TT SHOW

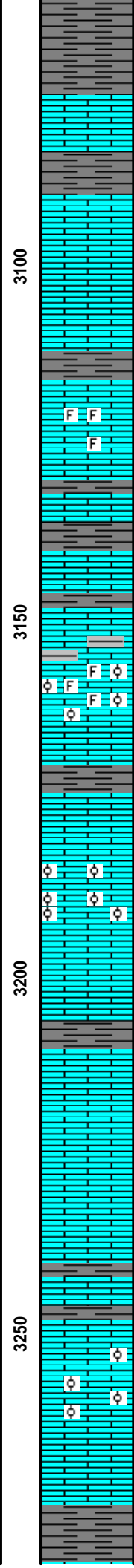
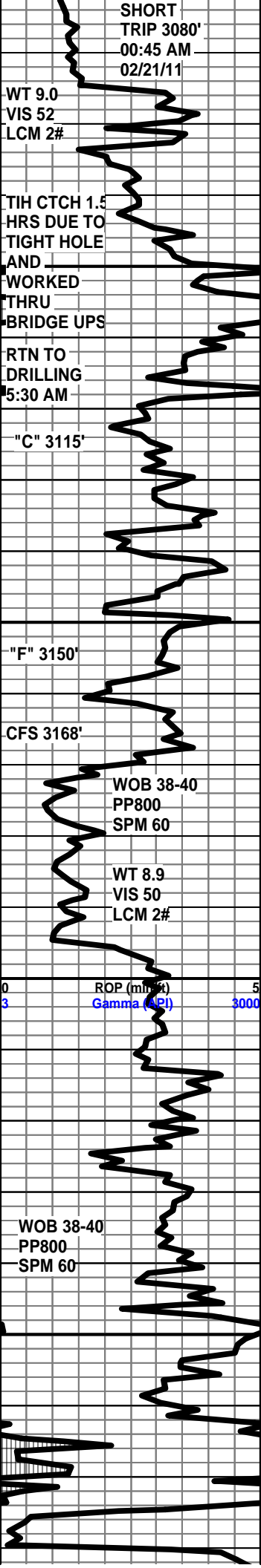
DOUGLAS 3006' -1161'

SH DK GRY TO GRY HD FRM BLKY CALC TO LMY WITH LT GRY SFT AND GUMMY

SH GRY TO LT GRY SMOOTH HD BRITT TO BLKY

3080' @ 00:01 AM 02/21/2011





SH GRY TO LT GRY SFT GUMMY TO SILTY THRU

BROWN LIME 3075' -1230'
LS DK TN TO TN HD DN TT CRYPTO TO VVFN XLN MT DISS GRY SH IP NO FLO NO VIS POR NO VIS SHOW

LANSING 3094' -1249'
LS LT TN LT GRY TO BUFF MOTT HD DN TT CRYPTO T VVFN XLN MTX TR PHANTOM FOSS IP NO FLO NO VIS POR NO VIS SHOW

3106'-3108' LS LT TN CRM BUFF HD DN CRYPTO TO VVFN XLN MTX TR IMBD FOSS SLT OIL ODOR TR MICRO PP TO TR POOR VUG POR 5% LT YLW FLO 40% 10% STAIN ON 3 ROCKS POOR FAINT FLUSH CUT T SPURRY SLOW STREAM CUT FRO 1 ROCK

LANSING "X" 3112' -1267'
LS LT TN LT GRY CRM BUFF TO OF WHT MOTT HD DN TT CRYPTO TO VFN TO FN XLN MTX RE-XLN MTX IMBD FOSS SUB-CHLKY IP PR OIL ODOR SLT TR STAIN IP TO NO STAIN TR CALC XLS POOR POS TT INTER FOSS POR TO NO POR LT YLW FLO 20% TO TR DULL GLDN YL FLO 5% FAINT TO POOR FLUSH CUT SLOW MILKY BLUE STREAM CUT 1 ROCK

LS DK TN TO TN BUFF HD DN TT CRYPTO TO VVFN XLN MTX DISS DK GRY SH IP NO FLO NO VIS POR NO VIS SHOW

3156'-3166' LS LT TN CRM BUFF TO OFF WHT FRM BRIT VFN TO FN TR MD XLN MTX RE-XLN MTX TR IMBD QRTZ IP FRM WHIT CHLK IMBD OOLITES TO FOSS FRG LT YL FLO 25% NO STAIN NO ODOR TR PR TO POSS FAIR INTER XLN POR TO POSS FAIR INTER FOSS POR IP NO CUT NO VIS SHOW

LS TN LT TN CRM BUFF TO OFF WHT TO WHT HD TO FRM VFN TO FN XLN MTX RE-XLN MTX TR LOOSE OOLITES IN TRAY OOMLDC THRU TR IMBD CHLK TO SLTLY FRM TO SFT PCES CHLK LT YLW FLO 30% NO STAIN NO ODOR TR PR TO FAIR INTER XLN POR TO TR VUGS OOLICAST POR NO CUT NO VIS SHOW

LS CRM BUFF TO OFF WHT HD DN TT CRYPTO XLN MT THRU NO FLO NO VIS POR NO VIS SHOW

LANSING "Z" 3208' -1363'
SH DK GRY VRY HD FRM SMOOTH CALC TO LMY WITH TR IMBD FOSSS

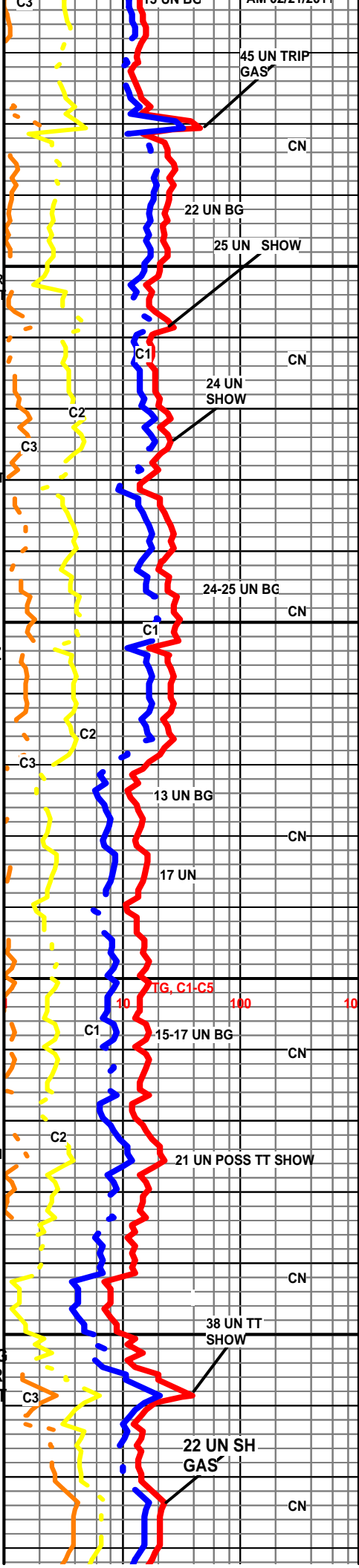
LS TN LT TN LT GRY HD DN VFN TO FN XLN MTX TR DIS GRY SH TR LMNTD PYR IP NO FLO NO VIS POR NO VIS SHOW

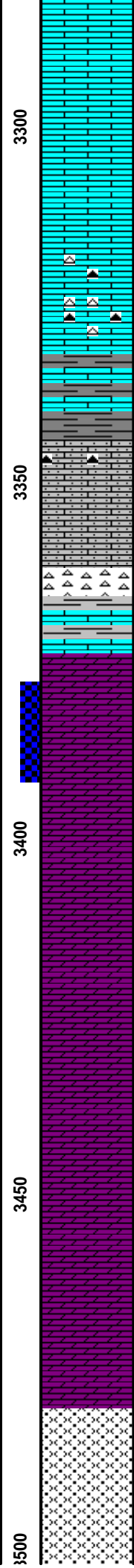
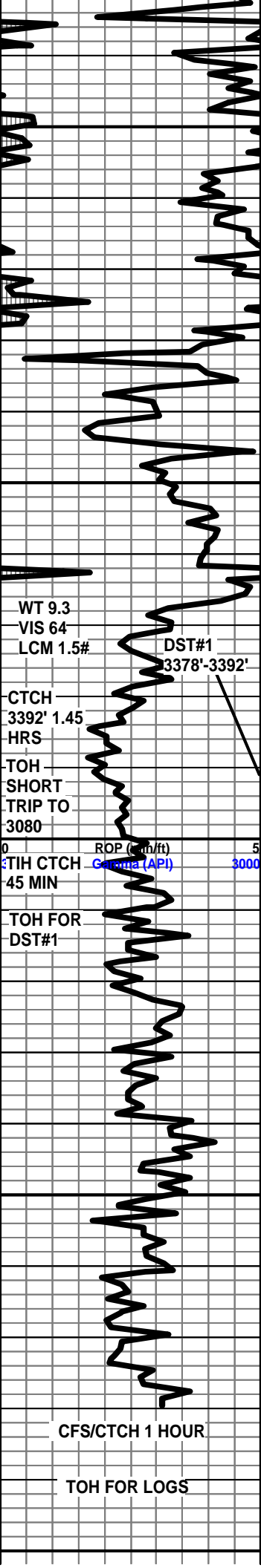
3222'-3229' LS CRM OFF WHT TO WHT FRM BRITT FN XLN MTX RE-XLN MTX TR IMBD FOSS SUB-CHLKY IP SLT TR STAIN TO NO STAIN TR VUGS TO PP POR IP TO POSS TT INTER XLN POR POOR BURNT GASSY ODOR VRY FAINT FLUSH CUT TT SHOW

LS DK TN LT TN CRM BUFF HD DN TT CRYPTO TO VVFN XLN MTX TR DISS DK GRY SH IP NO FLO NO VIS POR NO VIS SHOW

LS LT TN CRM BUFF TO LT GRY FRM HD BRITT VFN TO FN TO MD XLN MTX SUCRO TXT TO TR CALC XLSTR IMBD QRTZ XLS TO IMBD OOLITES AND IMBD FOSS FRG LT YLW FLO 10% NO STAIN FAINT TO POOR ODOR FAIR VRY SM VUG POR POSS TT INTER FOSS POR VRY FAINT FLUSH CUT TO LT YLW RING CUT

STARK SHALE 3274' -1429'
SH DK GRY TO GRY LT GRY SLTLY FRM SMOOTH SPLNTY TO SFT SILTY





LS DK TN DK GRY TO GRY HD DN TT CRYPTO TO VVFN XLN MTX NO FLO NO VIS POR NO VIS SHOW

LS LT GRY LT TN CRM BUF TO OFF WHT HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD FOS TR ORNG TO BRN TO TRANSLUCENT CHERT NO FLO NO VIS POR NO VIS SHOW

SH REB/BRN SLTLY FRM SFT GUMMY

LS GRY TN LT TN BUFF OFF WHT TO WHT MOTT THRU WITH VRY/SM SUB-RND TO RND SS GRNS IMBD TR IMBD RED/BRN TO GRY SH IMBD CHLK NO FLO POSS TT INTER GRAN POR TO NO POR NO CUT NO VIS SHOW

ARBUCLE 3375' -1530'

3375'-3378'DOL TN LT TN VFN TO FN XLN MTX TT SUCRO TXT THRU LT YLW FLO 20% DULL GLDN YLW FLO 30% NO VIS POR NO STAIN N CUT NO VIS SHOW

3378'-3382' DOL LT TN OFF WHT VFN TO FN XLN MTX SUCRO TXT TR IMBD VR/SM DOL XLS IP BLK DEAD OIL STAIN ON THREE ROCKS LT YLW FLO 65% TO TR DULL GLDN YLW FLO IP POOR TT INTER XLN POR VR/PR FLUSH CUT TO LT YLW RING CUT POOR SHOW

3382-3392 DOL OFF WHT TO LT GRY TO WHT FN XLN MTX TR IMBD PYR IP TO TR SM ANG DOL XLS CHLKY IP LT YLW FLO 80% TR IMBD BLK DEAD OIL TO TR LIVE OIL ON TWO ROCKS FAINT ODOR TR POOR TO POSSS FAIR INTER XLN POR TR MICRO PP POR FAIR FLUSH CUT LT YLW RING CUT

3392'-3410' DOL CRM BUFF TO OFF WHT HD DN CRYPTO TO VVFN TO FN XLN MTX IMBD DOL GRNS TO IMBD ANG DOL XLS TR LMNTD PYR SUB-CHLKY LT YLW FLO THRU MICRO PP TO PP POR 25% TO POOR TO TR FAIR INTER XLN POR IP NO STAIN NO ODOR NO CUT NO VIS SHOW

3410'-3430' DOL CRM BUFF LT GRY TO OFF WHT FN XLN MTX THRU RE-XLN MTX SUCRO TXT THRU TR IMBD CHLK IP POSS POOR INTER XLN POR LT YLW MIN FLO NO STAIN NO ODEOR NO CUT NO VIS SHOW

3430'-3450' DOL LT TN LT GRY OFF WHT VVFN TO FN XLN MTX TO MD XLN MTX FN TO MD SUB-ANG DOL XLS TO TR IMBD SUB-RND TO RN DOL GRNS LT YLW MIN FLO PR INTER XLN TO PP POR NO STAIN NO ODOR NO CUT NO VIS SHOW

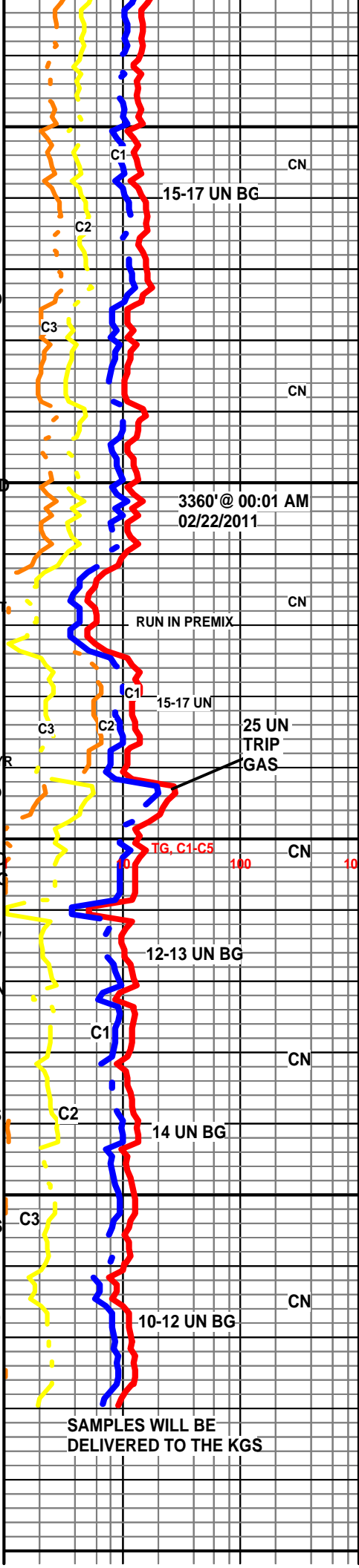
3450'-3460' DOL LT GRY OFF WHT TO WHT HD DN TT CRYPTO TO VVFN XLN MTX NO FLO NO VIS POR NO VIS SHOW

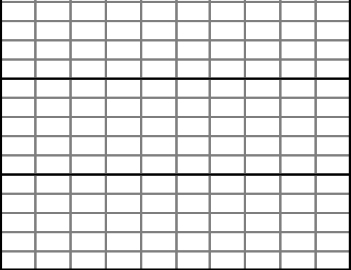
3460'-3480' DOL LT GRY OFF WHT TO WHT HD TO FRM BRITT FN TO MD XLN MTX RE-XLN MTX SM TO MD SUB-ANG DOL XLS WITH IMBD CHLK IP LT YLW FLO TO NO FLO PR FAIR TO GOOD INTERXLN POR PP AND MICRO PP POR NO STAIN NO ODOR NO CUT NO VIS SHOW

RTD 3480' @ 8:35 PM 02/22/11

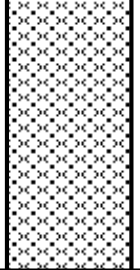
LOGS BY WEATHERFORD

LIBERAL KANSAS





3



**THANK YOU FOR CHOOSING
EARTHTECH**

LOG COMPLETED BY RODNEY NAPIER

