



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: _____



1058741

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

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

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	MAIER 1-36
Doc ID	1058741

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

June 30, 2011

NEIL SHARP
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-051-26107-00-00
MAIER 1-36
NW/4 Sec.36-15S-16W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office at 303-831-4673.

Respectfully,
NEIL SHARP



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: 3/14/2011
 Invoice # 4784

P.O.#:
 Due Date: 4/13/2011
 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:
 MAIER 1-36

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200 - 138
Well/Prospect	MAIER 1-36
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 703.35	No				
Common-Class A	400	\$ 5,011.89	Yes	Baffle Plate Aluminum, 8 5/8"	1	\$92.43	Yes
8 5/8" Basket	3	\$ 973.62	Yes				
Bulk Truck Matl-Material Service Charge	422	\$ 866.81	No				
Calcium Chloride	14	\$ 541.49	Yes				
Pump Truck Mileage-Job to Nearest Camp	23	\$ 235.74	No				
Flo Seal	100	\$ 205.41	Yes				
8 5/8" Centralizer	3	\$ 197.19	Yes				
Premium Gel (Bentonite)	8	\$ 133.76	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	23	\$ 137.95	No				
8 5/8" Top Rubber Plug	1	\$ 108.86	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 9,208.51
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,381.28)

SubTotal for Taxable Items: \$ 6,174.96

SubTotal for Non-Taxable Items: \$ 1,054.43

Total: \$ 7,827.23

Tax: \$ 389.02

Amount Due: \$ 8,216.26

Applied Payments:

Balance Due: \$ 8,216.26

6.30% Ellis County Sales Tax

Thank You For Your Business!

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

Federal Tax I.D.# 20-2886107

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

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

No. 4784

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-10-11				Ellis	Kansas		12:15 AM
Lease <i>Miser</i>	Well No. <i>1-36</i>		Location <i>Gerhana S. to Co Line 2W</i>				
Contractor <i>VAZ Rgb</i>	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 <i>Surface</i>	T.D. <i>1033</i>			Charge To <i>Sam Gray Sr & Associates</i>			
Hole Size <i>12 1/2</i>	Depth <i>1033</i>			Street			
Csg. <i>8 5/8 23lb</i>	Depth			City			
Tbg. Size	Depth			State			
Tool	Shoe Joint <i>4 1/2'</i>			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <i>4 1/2'</i>	Displace <i>6.3 Bbl</i>			Cement Amount Ordered <i>400 Com 38CC 28lb</i>			
MEAS LINE				Cement Amount Ordered			
EQUIPMENT				4/16 Flt Seal per sk Common 400 Poz. Mix Gel. 8 Calcium 14			
Pumptrk 3	No.	Cementer		Hulls			
		Helper	<i>Steve</i>	Salt			
Bulktrk 12	No.	Driver	<i>Brandon</i>	Flowseal <i>100#</i>			
		Driver	<i>Kerby</i>	Kol-Seal			
Bulktrk	No.	Driver		Mud CLR 48			
		Driver		CFL-117 or CD110 CAF 38			
JOB SERVICES & REMARKS				Sand			
Remarks:				Handling <i>422</i>			
Rat Hole				Mileage			
Mouse Hole				FLOAT EQUIPMENT			
Centralizers				Guide Shoe			
Baskets				Centralizer 3			
D/V or Port Collar				Baskets 3			
<i>Cement did Circulate</i>				AFU Inserts			
				Float Shoe			
				Latch Down			
				Ball Valve Plug			
				Rubber Plug			
Pumptrk Charge <i>Lon & Surface</i> Mileage <i>23</i>				Tax			
				Discount			
Signature <i>[Handwritten Signature]</i>				Total Charge			



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

Date: 3/20/2011
 Invoice # 4788

P.O.#:
 Due Date: 4/19/2011
 Division: Russell

Invoice

DRLG COMP W/O LOE GG

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

Account	8300-238
Well/Prospect	MAIER 1-36
Deck	
AFE	
Approval	GA
Description	

Reference:
 MAIER 1-36

Description of Work:
 PROD LONG STRING

Services / Items Included:

Quantity	Price	Taxable	Item	Quantity	Price	Taxable	
Labor	\$ 462.65	No		Salt (Fine)	19	\$268.78	Yes
Common-Class A	225	\$ 2,781.60	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$226.99	Yes
Gilsonite	1057	\$ 1,606.64	Yes	Pump Truck Mileage-Job to Nearest Camp	23	\$232.60	No
CFL 117	176	\$ 1,098.62	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	23	\$136.11	No
5 1/2" Basket	3	\$ 699.20	Yes	Flo Seal	56	\$113.49	Yes
CD-110	170	\$ 689.07	Yes	KCL	2	\$60.52	Yes
5 1/2" Turbolizer	8	\$ 470.19	Yes				
Bulk Truck Matl-Material Service Charge	225	\$ 456.00	No				
Mud Clear	500	\$ 374.93	Yes				
Defoamer A or CAF-38	50	\$ 354.67	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 310.08	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,342.12

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,551.32)

SubTotal for Taxable Items: \$ 7,696.55

SubTotal for Non-Taxable Items: \$ 701.00

Total: \$ 8,790.80

Tax: \$ 484.88

Amount Due: \$ 9,275.68

Applied Payments:

Balance Due: \$ 9,275.68

6.30% Ellis County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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QUALITY OILWELL CEMENTING, INC.

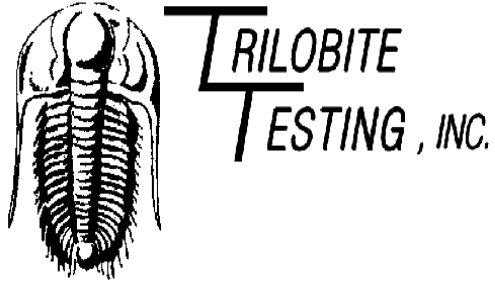
Federal Tax I.D.# 20-2886107

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

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

No. 4788

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-17-11	36	15	16	Ellis	Kansas		3:45PM
Lease Major	Well No. 1-36		Location Gordon S to Cadine 17 1/2 miles				
Contractor V/A2 Rig Co				Owner			
Type Job Longstring				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 7 7/8	T.D. 3590		Charge To Samuel Gary, Jr & Associates				
Csg. SK 15.5016	Depth 3573		Street				
Tbg. Size	Depth		City				
Tool	Depth		State				
Cement Left in Csg. 21	Shoe Joint 21		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace 845261		Cement Amount Ordered 225 Q-Ra C 108.5alt				
EQUIPMENT				S Bilsonite 26CC 25al Pa CAF-38 30 CD110			
Pumptrk 9	No. Cementer	Helper Steve		Common .86 CFL-117 500gal Mud CLR 48			
Bulktrk 10	No. Driver	Craig		Poz. Mix 20 Bbl RCL			
Bulktrk	No. Driver	CISO		Gel.			
JOB SERVICES & REMARKS				Calcium			
Remarks:				Hulls CD-110 170#			
Rat Hole 30sx				Salt 19			
Mouse Hole 20sx				Flowseal 56#			
Centralizers 1,3,5,7,9,11,13,15				Kol-Seal 1057#			
Baskets 3, 9, 15				Mud CLR 48 500 gal			
D/V or Port Collar 1				CFL-117 or CD110 (CAF 38) 50#			
30sx Rat Hole				Sand CFL-117 176#			
20sx Mouse Hole				Handling			
				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer 8			
Land plug @ 1300 psi Ebat Held				Baskets 3			
				AFU Inserts			
				Float Shoe 1			
				Latch Down 1			
				Retaining Head			
				Pumptrk Charge proclong string			
				Mileage 23			
				Tax			
				Discount			
				Total Charge			
X Signature							



DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & assoc.**

1515 Wynkoop
STE 700
Denver Co. 80202

ATTN: Neil Sharp

36-15s-16w Ellis

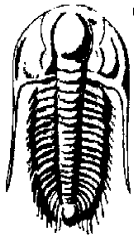
Maier 1-36

Start Date: 2011.03.15 @ 12:00:05

End Date: 2011.03.15 @ 20:19:39

Job Ticket #: 041565 DST #: 1

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr. & assoc.

Maier 1-36

1515 Wynkoop
STE 700
Denver Co. 80202
ATTN: Neil Sharp

36-15s-16w Ellis

Job Ticket: 041565

DST#: 1

Test Start: 2011.03.15 @ 12:00:05

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:04:50

Time Test Ended: 20:19:39

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3202.00 ft (KB) To 3232.00 ft (KB) (TVD)

Reference Elevations: 1923.00 ft (KB)

Total Depth: 3232.00 ft (KB) (TVD)

1913.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8352 Outside

Press @RunDepth: 180.84 psig @ 3203.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.15

End Date:

2011.03.15

Last Calib.:

2011.03.15

Start Time:

12:00:05

End Time:

20:19:40

Time On Btm:

2011.03.15 @ 14:03:10

Time Off Btm:

2011.03.15 @ 17:12:09

TEST COMMENT:

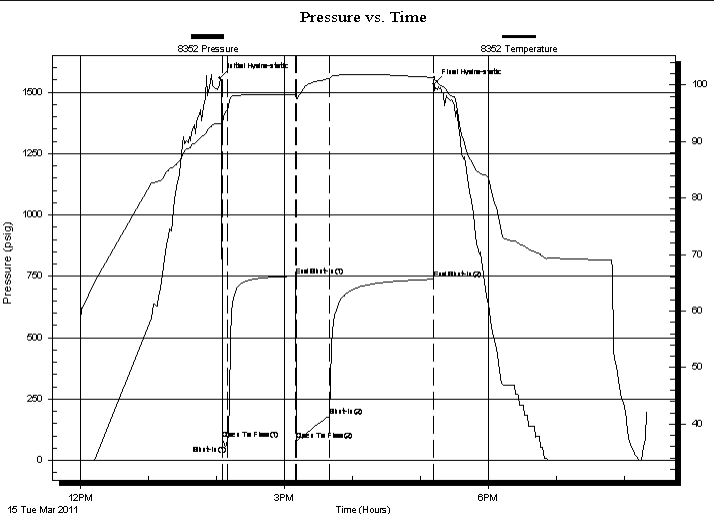
IF: 5 min. BOB, 1 min.

IS: 60min. Return Blow, building to 6 inches

FF: 30 min. BOB, Immediately

FS: 90 min. Return Blow, Gas to surface 10 min. building to 8 inches

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1557.92	93.23	Initial Hydro-static
2	85.94	92.55	Open To Flow (1)
7	61.66	95.62	Shut-In(1)
67	750.55	98.22	End Shut-In(1)
68	83.22	97.57	Open To Flow (2)
97	180.84	101.16	Shut-In(2)
188	737.74	101.35	End Shut-In(2)
189	1535.04	101.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	GOCM g=30% o=30% m=40%	1.12
520.00	GCO g=20% o=80%	7.29

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. & assoc.

Maier 1-36

1515 Wynkoop
STE 700
Denver Co. 80202
ATTN: Neil Sharp

36-15s-16w Ellis

Job Ticket: 041565

DST#: 1

Test Start: 2011.03.15 @ 12:00:05

Tool Information

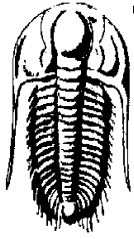
Drill Pipe:	Length: 3188.00 ft	Diameter: 3.80 inches	Volume: 44.72 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 44.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3202.00 ft			Final	40000.00 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
------------------	-------------	------------	----------	------------	----------------

Recorder	0.00	8650	Fluid	3168.00	
Blank Spacing	5.00			3173.00	
Shut In Tool	5.00			3178.00	
Sampler	2.00			3180.00	
Hydraulic tool	5.00			3185.00	
Jars	5.00			3190.00	
Safety Joint	3.00			3193.00	
Packer	5.00			3198.00	34.00 Bottom Of Top Packer
Packer	4.00			3202.00	
Stubb	1.00			3203.00	
Recorder	0.00	8017	Inside	3203.00	
Recorder	0.00	8352	Outside	3203.00	
Perforations	26.00			3229.00	
Bullnose	3.00			3232.00	30.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & assoc.

Maier 1-36

1515 Wynkoop
STE 700
Denver Co. 80202
ATTN: Neil Sharp

36-15s-16w Ellis

Job Ticket: 041565

DST#: 1

Test Start: 2011.03.15 @ 12:00:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 5300.00 ppm
Filter Cake: inches

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

Oil API: 42 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

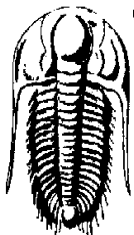
Length ft	Description	Volume bbl
80.00	GOCM g=30% o=30% m=40%	1.122
520.00	GCO g=20% o=80%	7.294

Total Length: 600.00 ft Total Volume: 8.416 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data-gas=1CF, oil=1500ML, pressure=200Lbs



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Sam Gary Jr. & assoc.

Maier 1-36

1515 Wynkoop
STE 700
Denver Co. 80202
ATTN: Neil Sharp

36-15s-16w Ellis

Job Ticket: 041565

DST#: 1

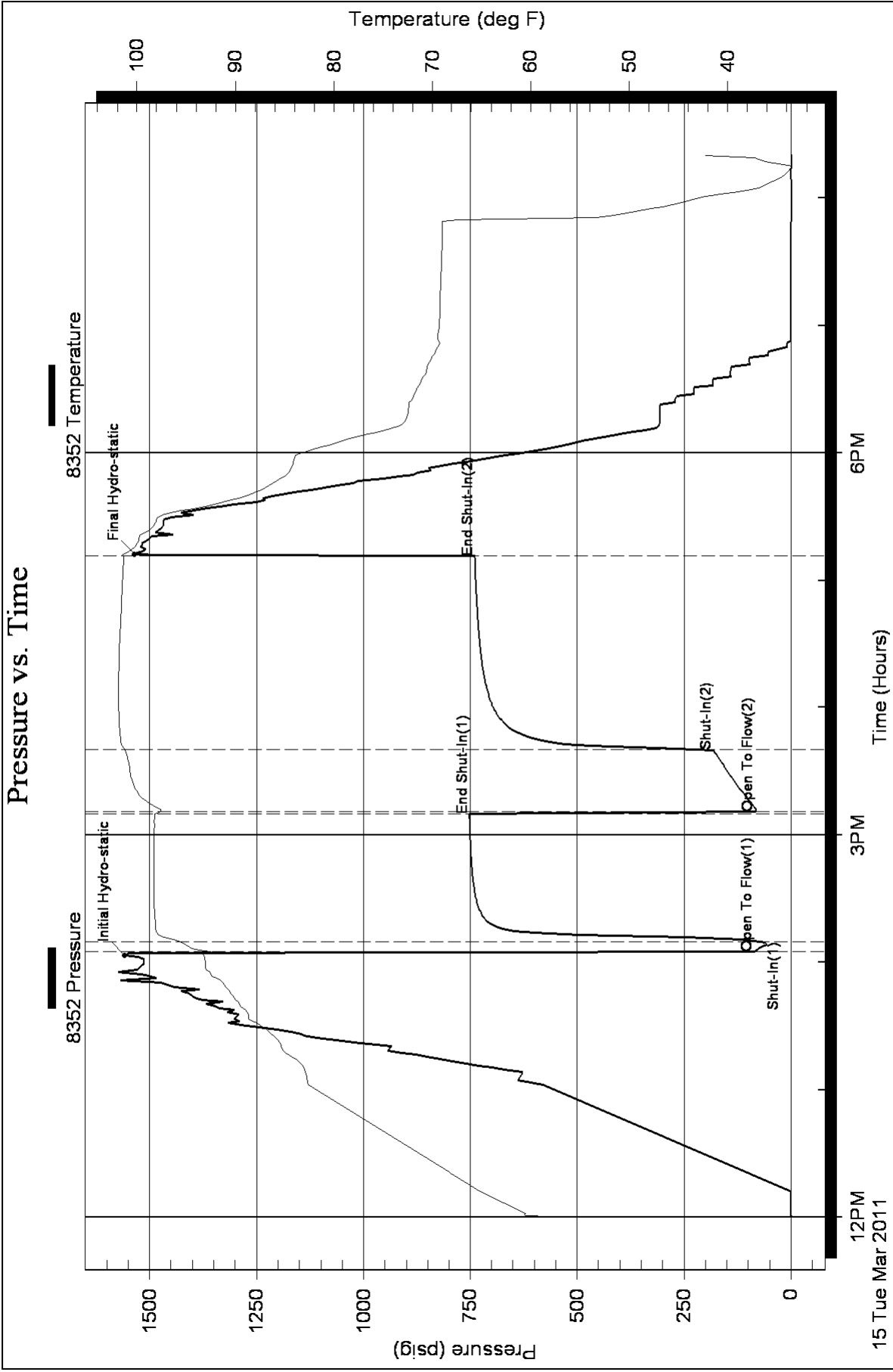
Test Start: 2011.03.15 @ 12:00:05

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



Serial #: 8017

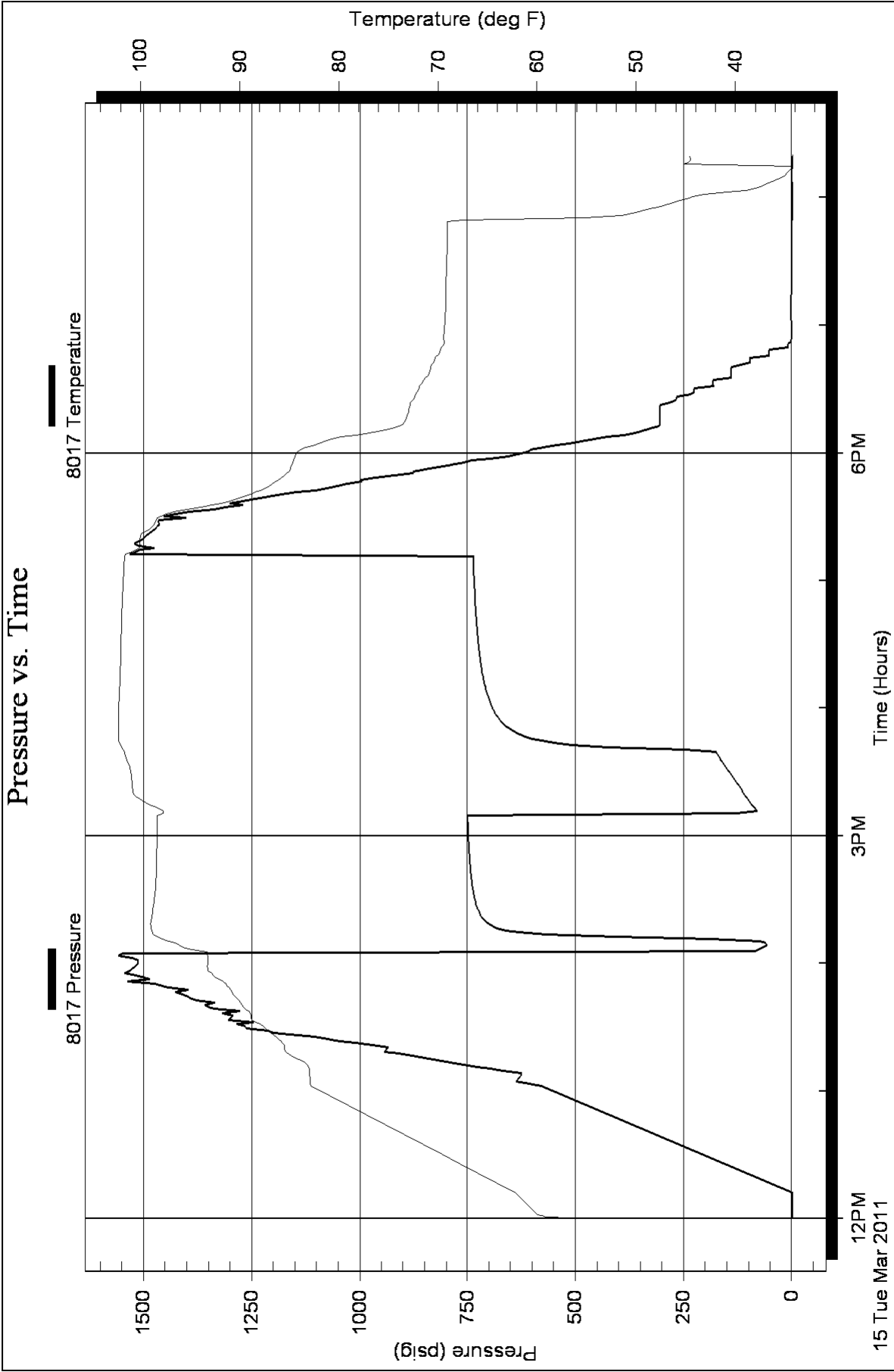
Inside

Sam Gary Jr. & assoc.

36-15s-16w Ellis

DST Test Number: 1

Pressure vs. Time



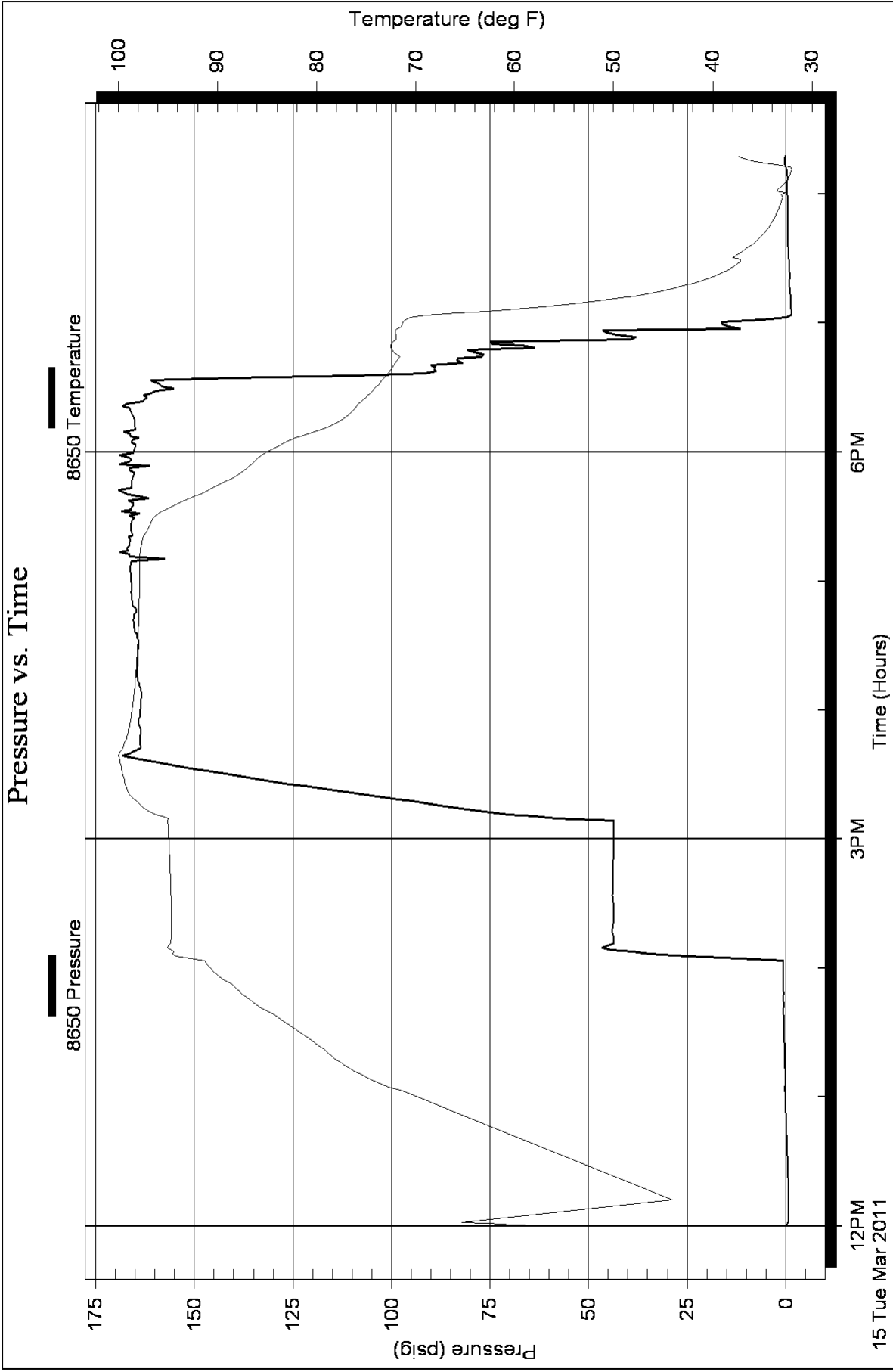
Serial #: 8650

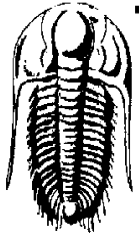
Fluid

Sam Gary Jr. & assoc.

36-15s-16w Ellis

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Sam Gary Jr. & assoc.

Maier 1-36

1515 Wynkoop
STE 700
Denver Co. 80202
ATTN: Neil Sharp

36-15s-16w Ellis

Job Ticket: 041565

DST#: 1

Test Start: 2011.03.15 @ 12:00:05

Serial # 8352 Outside				Serial # 8352 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-1.11	58.0		101.1	1329.95	89.7
	0.7	-0.76	60.6		102.4	1375.84	90.0
	1.3	-0.66	60.6		103.8	1391.60	90.2
	11.9	-0.59	65.1		105.1	1409.15	90.5
	62.4	560.02	82.6		106.4	1426.40	90.7
	63.8	667.93	82.7		107.8	1443.02	91.0
	65.1	635.50	82.7		109.1	1457.65	91.2
	66.4	631.02	82.8		110.4	1472.84	91.4
	67.8	627.67	82.9		111.8	1486.05	91.9
	69.1	669.21	83.0		113.1	1502.20	92.3
	70.4	699.68	83.1		114.4	1518.07	92.6
	71.8	755.73	83.3		115.8	1530.90	92.9
	73.1	789.74	83.6		117.1	1523.56	93.0
	74.4	804.31	84.0		118.4	1515.78	93.1
	75.8	876.32	84.5		119.8	1511.42	93.1
	77.1	910.59	84.9		121.1	1512.29	93.1
	78.4	942.42	85.2		122.4	1523.31	93.2
	79.8	936.44	85.3		122.8	1520.27	93.2
	81.1	971.41	85.4		122.9	1518.78	93.2
	82.4	1000.28	85.6	Initial Hydro-static	123.1	1557.92	93.2
	83.8	1034.51	85.8		123.3	1553.87	93.2
	85.1	1139.73	86.2		123.4	1567.65	93.2
	86.4	1123.37	86.4		123.6	1548.07	93.2
	87.8	1151.95	86.8		124.4	1551.39	93.3
	89.1	1244.69	87.2		124.6	1553.23	93.3
	90.4	1242.91	87.7	Open To Flow (1)	124.8	85.94	92.5
	91.8	1274.92	88.2		124.9	85.98	93.0
	93.1	1302.76	88.7		125.1	83.60	93.2
	94.4	1295.95	88.7		125.3	80.93	93.5
	95.8	1375.38	88.7		126.6	71.57	94.7
	97.1	1302.78	89.0		127.9	56.49	94.9
	98.4	1393.49	89.3		129.1	60.48	95.5
	99.8	1324.50	89.6		129.3	61.00	95.5

Printing every 8 samples

Serial # 8352 Outside				Serial # 8352 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
Shut-In(1)	129.4	61.66	95.6		180.9	749.41	98.2
	129.6	62.36	95.7		182.3	749.63	98.2
	129.9	64.33	95.9		183.6	749.85	98.2
	130.3	97.16	96.1		184.9	750.06	98.2
	131.6	276.73	97.4		186.3	750.25	98.2
	132.9	559.56	97.9		187.6	750.41	98.2
	134.3	641.10	98.0		188.9	750.48	98.2
	135.6	675.70	98.1		189.1	750.50	98.2
	136.9	694.01	98.1		189.3	750.50	98.2
	138.3	705.18	98.1	End Shut-In(1)	189.4	750.55	98.2
	139.6	712.78	98.2		189.6	748.63	98.2
	140.9	718.16	98.2		189.8	207.62	97.9
	142.3	722.77	98.2		189.9	158.54	97.9
	143.6	725.99	98.2		190.3	100.29	97.6
	144.9	728.69	98.2		190.4	88.87	97.6
	146.3	731.03	98.2	Open To Flow (2)	190.6	83.22	97.6
	147.6	733.03	98.2		190.8	80.73	97.6
	148.9	734.73	98.3		190.9	79.97	97.6
	150.3	736.20	98.2		191.1	80.11	97.6
	151.6	737.42	98.3		192.4	84.86	97.9
	152.9	738.63	98.3		193.8	90.69	98.5
	154.3	739.68	98.3		195.1	95.59	98.9
	155.6	740.60	98.3		196.4	100.10	99.3
	156.9	741.41	98.3		197.8	105.06	99.7
	158.3	742.12	98.2		199.1	109.65	99.9
	159.6	742.90	98.2		200.4	115.64	100.0
	160.9	743.56	98.2		201.8	121.00	100.2
	162.3	744.13	98.2		203.1	125.64	100.3
	163.6	744.74	98.2		204.4	130.97	100.4
	164.9	745.21	98.2		205.8	135.61	100.5
	166.3	745.67	98.2		207.1	140.24	100.6
	167.6	746.01	98.2		208.4	144.71	100.7
	168.9	746.44	98.3		209.8	149.45	100.7
	170.3	746.83	98.3		211.1	154.06	100.7
	171.6	747.50	98.3		212.4	158.24	100.8
	172.9	747.51	98.3		213.8	162.50	100.8
	174.3	747.83	98.3		215.1	166.91	100.9
	175.6	748.43	98.3		216.4	170.98	101.0
	176.9	748.71	98.2		217.8	175.71	101.1
	178.3	748.97	98.2		219.1	179.26	101.1
	179.6	749.19	98.2		219.3	180.24	101.1

Printing every 8 samples

Serial # 8352 Outside				Serial # 8352 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	219.4	180.66	101.1		269.4	726.13	101.8
Shut-In(2)	219.6	180.84	101.2		270.8	726.70	101.8
	219.8	203.70	101.2		272.1	727.31	101.7
	219.9	228.88	101.2		273.4	727.92	101.7
	220.1	254.55	101.3		274.8	728.49	101.7
	221.4	467.80	101.5		276.1	728.95	101.7
	222.8	541.73	101.6		277.4	729.46	101.7
	224.1	582.28	101.7		278.8	729.91	101.7
	225.4	609.46	101.7		280.1	730.43	101.7
	226.8	628.43	101.7		281.4	731.22	101.6
	228.1	642.71	101.7		282.8	731.29	101.6
	229.4	653.69	101.8		284.1	731.74	101.6
	230.8	662.65	101.8		285.4	732.43	101.6
	232.1	669.92	101.8		286.8	732.47	101.6
	233.4	676.04	101.8		288.1	733.18	101.6
	234.8	681.24	101.8		289.4	733.53	101.6
	236.1	685.75	101.8		290.8	733.88	101.5
	237.4	689.93	101.8		292.1	734.20	101.5
	238.8	693.19	101.8		293.4	734.53	101.5
	240.1	696.29	101.8		294.8	734.83	101.5
	241.4	699.09	101.8		296.1	734.77	101.5
	242.8	701.62	101.9		297.4	735.45	101.5
	244.1	703.85	101.9		298.8	735.69	101.5
	245.4	705.92	101.9		300.1	735.99	101.5
	246.8	707.86	101.9		301.4	736.27	101.4
	248.1	709.62	101.9		302.8	736.53	101.4
	249.4	711.25	101.9		304.1	736.78	101.4
	250.8	712.71	101.9		305.4	737.00	101.4
	252.1	714.06	101.9		306.8	737.26	101.4
	253.4	715.31	101.8		308.1	737.53	101.4
	254.8	716.52	101.8		309.4	737.71	101.4
	256.1	717.67	101.8		310.8	737.80	101.3
	257.4	718.77	101.8		310.9	737.79	101.4
	258.8	719.80	101.8	End Shut-In(2)	311.1	737.74	101.3
	260.1	720.77	101.8		311.3	1319.47	101.7
	261.4	721.60	101.8		311.4	1472.60	101.5
	262.8	722.47	101.8		311.6	1478.78	101.5
	264.1	723.32	101.8		311.8	1514.26	101.6
	265.4	723.99	101.8		311.9	1538.84	101.5
	266.8	724.73	101.8	Final Hydro-static	312.1	1535.04	101.4
	268.1	725.41	101.8		312.3	1533.47	101.3

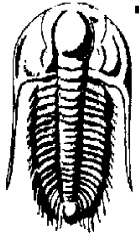
Printing every 8 samples

Serial # 8352 Outside				Serial # 8352 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	312.4	1529.72	101.2		365.9	470.75	78.9
	312.6	1525.77	101.1		367.3	428.79	77.8
	313.9	1512.76	100.7		368.6	398.77	76.5
	315.3	1473.10	100.3		369.9	355.98	75.3
	316.6	1503.52	100.0		371.3	309.61	74.2
	317.9	1513.06	99.9		372.6	308.91	73.3
	319.3	1500.78	99.8		373.9	306.46	72.9
	320.6	1493.74	99.7		375.3	306.62	72.7
	321.9	1491.42	99.5		376.6	306.48	72.6
	323.3	1480.09	98.8		377.9	306.43	72.5
	324.6	1472.34	98.4		379.3	306.40	72.5
	325.9	1466.67	98.2		380.6	306.36	72.5
	327.3	1468.29	98.1		381.9	306.33	72.4
	328.6	1466.78	98.0		383.3	271.26	72.4
	329.9	1456.80	97.6		384.6	269.13	72.2
	331.3	1427.02	96.7		385.9	268.63	72.0
	332.6	1395.91	95.3		387.3	231.71	71.9
	333.9	1300.75	93.7		388.6	226.71	71.7
	335.3	1280.27	92.3		389.9	225.66	71.6
	336.6	1271.68	91.1		391.3	182.87	71.5
	337.9	1244.03	90.0		392.6	183.17	71.2
	339.3	1212.65	89.1		393.9	182.94	71.1
	340.6	1181.12	88.3		395.3	139.18	71.0
	341.9	1110.97	87.7		396.6	140.56	70.8
	343.3	1089.36	87.0		397.9	140.52	70.7
	344.6	1061.93	86.5		399.3	140.09	70.6
	345.9	1030.03	86.0		400.6	140.10	70.5
	347.3	963.55	85.6		401.9	96.55	70.4
	348.6	942.04	85.1		403.3	96.64	70.2
	349.9	879.04	84.8		404.6	88.85	70.1
	351.3	877.88	84.5		405.9	52.50	69.9
	352.6	820.44	84.3		407.3	52.89	69.7
	353.9	784.13	84.2		408.6	12.79	69.6
	355.3	758.88	84.1		409.9	8.11	69.4
	356.6	727.78	84.1		411.3	8.26	69.3
	357.9	672.43	84.0		412.6	-0.77	69.4
	359.3	658.76	83.7		413.9	-0.80	69.5
	360.6	607.97	82.7		415.3	-0.82	69.5
	361.9	577.52	81.7		416.6	-0.84	69.4
	363.3	546.93	80.7		417.9	-0.60	69.4
	364.6	489.18	79.8		419.3	-0.82	69.3

Printing every 8 samples

Serial # 8352 Outside				Serial # 8352 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	420.6	0.62	69.3		475.3	-1.35	46.8
	421.9	0.45	69.3		476.6	-1.31	45.5
	423.3	0.22	69.3		477.9	-1.28	44.2
	424.6	-0.37	69.3		479.3	-1.28	43.1
	425.9	-0.44	69.3		480.6	-1.21	42.1
	427.3	-0.45	69.3		481.9	-1.12	39.7
	428.6	-0.48	69.3		483.3	-1.08	37.8
	429.9	-0.48	69.3		484.6	-1.03	36.8
	431.3	-0.48	69.2		485.9	-0.99	36.2
	432.6	-0.49	69.2		487.3	-0.94	35.5
	433.9	-0.47	69.2		488.6	-0.90	34.8
	435.3	-0.50	69.2		489.9	-0.86	34.4
	436.6	-0.54	69.2		491.3	-0.85	34.1
	437.9	-0.56	69.2		492.6	-0.84	33.8
	439.3	-0.57	69.2		493.9	-0.90	33.6
	440.6	-0.58	69.2		495.3	-0.98	34.5
	441.9	-0.55	69.2		496.6	-1.00	36.1
	443.3	-0.55	69.2		497.9	-0.97	37.0
	444.6	-0.56	69.1		499.3	-1.15	39.1
	445.9	-0.56	69.1		499.6	-1.67	45.5
	447.3	-0.57	69.1				
	448.6	-0.60	69.1				
	449.9	-0.63	69.1				
	451.3	-0.62	69.1				
	452.6	-0.59	69.1				
	453.9	-0.62	69.1				
	455.3	-0.63	69.1				
	456.6	-0.61	69.1				
	457.9	-0.57	69.1				
	459.3	-0.55	69.0				
	460.6	-0.56	69.0				
	461.9	-0.56	69.0				
	463.3	-0.56	69.0				
	464.6	-0.55	69.0				
	465.9	-0.55	69.0				
	467.3	-0.63	69.0				
	468.6	-0.86	69.0				
	469.9	-1.13	59.8				
	471.3	-1.35	51.8				
	472.6	-1.39	50.0				
	473.9	-1.37	48.4				

Printing every 7 samples



**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Sam Gary Jr. & assoc.

Maier 1-36

1515 Wynkoop
STE 700
Denver Co. 80202
ATTN: Neil Sharp

36-15s-16w Ellis

Job Ticket: 041565

DST#: 1

Test Start: 2011.03.15 @ 12:00:05

Serial # 8017 Inside				Serial # 8017 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-1.91	56.5		95.6	1290.58	88.8
	0.6	-1.99	59.2		96.8	1316.79	89.1
	1.2	-1.95	59.5		97.9	1337.08	89.3
	1.8	-1.97	60.6		99.1	1348.74	89.6
	51.9	61.06	73.1		100.3	1362.65	89.8
	62.9	607.65	82.9		101.4	1370.46	89.9
	64.1	637.14	82.9		102.6	1354.30	90.1
	65.3	632.86	82.9		103.8	1392.14	90.4
	66.4	628.27	82.9		104.9	1411.16	90.7
	67.6	625.39	83.0		106.1	1426.12	90.8
	68.8	668.60	83.0		107.3	1513.63	91.0
	69.9	696.73	83.0		108.4	1500.30	91.2
	71.1	728.33	83.0		109.6	1454.45	91.3
	72.3	757.26	83.2		110.8	1472.22	91.6
	73.4	786.01	83.6		111.9	1486.11	92.0
	74.6	867.30	84.1		113.1	1503.17	92.4
	75.8	888.85	84.7		114.3	1517.06	92.7
	76.9	909.87	85.0		115.4	1532.44	93.0
	78.1	943.12	85.3		116.6	1528.11	93.2
	79.3	938.55	85.5		117.8	1520.97	93.2
	80.4	933.11	85.5		118.9	1514.52	93.2
	81.6	969.78	85.6		120.1	1512.64	93.2
	82.8	998.30	85.8		121.3	1512.01	93.2
	83.9	1025.91	86.0		122.4	1522.92	93.2
	85.1	1103.14	86.3		123.6	1544.47	93.2
	86.3	1148.98	86.6		124.8	83.57	92.5
	87.4	1152.96	86.9		125.9	77.55	94.6
	88.6	1180.94	87.2		127.1	68.27	95.8
	89.8	1212.66	87.6		128.3	57.82	96.1
	90.9	1241.64	87.9		129.4	61.70	96.7
	92.1	1245.99	88.4		130.6	125.29	97.4
	93.3	1302.26	88.8		131.8	303.82	98.2
	94.4	1296.63	88.8		132.9	552.91	98.6

Printing every 7 samples

Serial # 8017 Inside				Serial # 8017 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	134.1	629.53	98.8		181.9	747.34	98.3
	135.3	664.78	98.9		183.1	747.55	98.3
	136.4	684.05	98.9		184.3	747.48	98.3
	137.6	695.92	99.0		185.4	747.97	98.3
	138.8	704.19	99.0		186.6	748.13	98.3
	139.9	710.26	98.9		187.8	748.29	98.3
	141.1	714.97	98.9		188.9	748.38	98.3
	142.3	718.56	98.8		190.1	127.28	97.7
	143.4	721.59	98.8		191.3	80.06	97.8
	144.6	724.16	98.7		192.4	84.71	98.3
	145.8	726.42	98.7		193.6	89.47	98.9
	146.9	728.23	98.7		194.8	94.06	99.3
	148.1	729.92	98.7		195.9	98.22	99.8
	149.3	731.27	98.6		197.1	101.88	100.2
	150.4	732.58	98.6		198.3	106.09	100.5
	151.6	733.75	98.5		199.4	110.34	100.7
	152.8	734.84	98.5		200.6	113.66	100.8
	153.9	735.88	98.5		201.8	117.61	100.8
	155.1	736.78	98.5		202.9	121.04	100.8
	156.3	737.57	98.5		204.1	125.05	100.8
	157.4	738.43	98.5		205.3	129.17	100.9
	158.6	739.00	98.4		206.4	133.28	100.9
	159.8	739.74	98.4		207.6	137.46	100.9
	160.9	740.32	98.4		208.8	141.44	100.9
	162.1	740.93	98.4		209.9	146.01	101.0
	163.3	741.35	98.4		211.1	149.64	101.0
	164.4	741.82	98.4		212.3	153.22	101.1
	165.6	742.46	98.4		213.4	157.34	101.2
	166.8	743.00	98.4		214.6	160.92	101.3
	167.9	743.33	98.4		215.8	164.60	101.4
	169.1	744.11	98.4		216.9	168.45	101.5
	170.3	744.17	98.4		218.1	172.11	101.6
	171.4	744.83	98.4		219.3	175.72	101.6
	172.6	744.83	98.4		220.4	304.38	101.8
	173.8	745.14	98.3		221.6	475.39	101.9
	174.9	745.81	98.3		222.8	536.93	102.1
	176.1	745.75	98.3		223.9	573.72	102.2
	177.3	746.42	98.3		225.1	599.38	102.2
	178.4	746.71	98.3		226.3	617.96	102.2
	179.6	746.94	98.3		227.4	632.04	102.2
	180.8	747.15	98.3		228.6	643.16	102.2

Printing every 7 samples

Serial # 8017 Inside				Serial # 8017 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	229.8	652.32	102.2		277.6	726.77	101.9
	230.9	659.83	102.2		278.8	727.52	101.9
	232.1	666.13	102.2		279.9	727.57	101.9
	233.3	671.72	102.2		281.1	727.90	101.9
	234.4	676.31	102.2		282.3	728.36	101.9
	235.6	680.42	102.2		283.4	728.72	101.9
	236.8	684.39	102.2		284.6	729.15	101.9
	237.9	687.36	102.2		285.8	729.83	101.9
	239.1	690.38	102.2		286.9	730.20	101.9
	240.3	693.02	102.2		288.1	730.53	101.8
	241.4	695.49	102.2		289.3	730.83	101.8
	242.6	697.67	102.2		290.4	731.14	101.8
	243.8	699.68	102.2		291.6	731.44	101.8
	244.9	701.57	102.1		292.8	731.76	101.8
	246.1	703.33	102.1		293.9	731.75	101.8
	247.3	704.95	102.1		295.1	732.01	101.8
	248.4	706.50	102.1		296.3	732.69	101.8
	249.6	707.83	102.1		297.4	732.97	101.8
	250.8	709.22	102.1		298.6	733.23	101.7
	251.9	710.39	102.1		299.8	733.51	101.7
	253.1	711.66	102.1		300.9	733.77	101.7
	254.3	712.65	102.1		302.1	733.99	101.7
	255.4	713.64	102.1		303.3	734.22	101.7
	256.6	714.72	102.0		304.4	734.47	101.7
	257.8	715.58	102.0		305.6	734.70	101.7
	258.9	716.54	102.0		306.8	734.91	101.7
	260.1	717.47	102.0		307.9	735.11	101.7
	261.3	718.20	102.0		309.1	735.31	101.6
	262.4	719.03	102.0		310.3	735.42	101.6
	263.6	719.79	102.0		311.4	1466.36	101.9
	264.8	720.47	102.0		312.6	1523.50	101.1
	265.9	721.19	102.0		313.8	1511.34	100.5
	267.1	721.82	102.0		314.9	1472.87	100.2
	268.3	722.49	102.0		316.1	1511.06	100.0
	269.4	723.11	102.0		317.3	1518.88	100.1
	270.6	723.60	102.0		318.4	1508.16	100.0
	271.8	724.23	102.0		319.6	1499.59	100.0
	272.9	724.76	102.0		320.8	1493.53	100.0
	274.1	725.24	101.9		321.9	1489.98	100.0
	275.3	725.77	101.9		323.1	1478.89	99.3
	276.4	726.10	101.9		324.3	1471.27	99.0

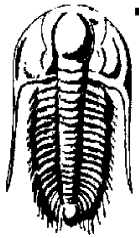
Printing every 7 samples

Serial # 8017 Inside				Serial # 8017 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	325.4	1465.81	98.8		373.3	304.26	73.6
	326.6	1464.30	98.6		374.4	302.96	73.4
	327.8	1464.92	98.5		375.6	303.38	73.3
	328.9	1463.93	98.3		376.8	303.29	73.2
	330.1	1453.16	97.9		377.9	303.27	73.1
	331.3	1424.40	97.3		379.1	303.24	73.0
	332.4	1394.14	96.0		380.3	303.20	72.9
	333.6	1363.38	94.5		381.4	303.18	72.9
	334.8	1332.04	93.1		382.6	303.19	72.8
	335.9	1301.40	91.9		383.8	268.71	72.7
	337.1	1271.04	91.0		384.9	266.45	72.5
	338.3	1240.21	90.2		386.1	266.01	72.4
	339.4	1209.02	89.3		387.3	224.29	72.3
	340.6	1178.64	88.7		388.4	225.72	72.1
	341.8	1141.29	88.1		389.6	224.96	72.0
	342.9	1082.61	87.5		390.8	211.38	71.9
	344.1	1051.47	87.0		391.9	182.58	71.7
	345.3	1013.79	86.7		393.1	181.91	71.5
	346.4	979.04	86.3		394.3	181.70	71.4
	347.6	965.92	86.0		395.4	138.94	71.2
	348.8	920.87	85.6		396.6	139.85	71.0
	349.9	877.16	85.3		397.8	139.86	70.9
	351.1	876.97	85.0		398.9	139.17	70.8
	352.3	847.65	84.9		400.1	139.55	70.8
	353.4	817.10	84.8		401.3	101.04	70.7
	354.6	786.54	84.7		402.4	96.34	70.5
	355.8	724.13	84.6		403.6	96.44	70.3
	356.9	695.39	84.5		404.8	68.32	70.3
	358.1	655.45	84.4		405.9	52.08	70.0
	359.3	635.70	84.4		407.1	52.49	69.8
	360.4	603.64	84.2		408.3	47.98	69.8
	361.6	588.98	83.7		409.4	7.84	69.6
	362.8	545.84	82.9		410.6	8.14	69.5
	363.9	516.01	82.1		411.8	8.22	69.4
	365.1	485.61	81.4		412.9	0.14	69.5
	366.3	455.54	80.7		414.1	-0.33	69.5
	367.4	425.61	79.2		415.3	-0.41	69.4
	368.6	395.88	77.5		416.4	-0.45	69.4
	369.8	366.29	76.0		417.6	-0.38	69.4
	370.9	336.62	74.7		418.8	-0.24	69.4
	372.1	307.02	74.0		419.9	-0.18	69.3

Printing every 7 samples

Serial # 8017 Inside				Serial # 8017 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	421.1	-0.11	69.3		468.9	-1.36	67.8
	422.3	0.09	69.3		470.1	-2.02	55.2
	423.4	0.28	69.3		471.3	-2.25	51.3
	424.6	0.34	69.3		472.4	-2.28	50.1
	425.8	0.35	69.3		473.6	-2.23	49.0
	426.9	0.36	69.3		474.8	-2.16	48.1
	428.1	0.38	69.3		475.9	-2.07	47.2
	429.3	0.43	69.3		477.1	-2.00	46.3
	430.4	0.42	69.3		478.3	-1.95	45.4
	431.6	0.33	69.3		479.4	-1.89	44.7
	432.8	0.19	69.3		480.6	-1.83	44.0
	433.9	0.01	69.2		481.8	-1.82	41.5
	435.1	-0.16	69.2		482.9	-1.84	39.2
	436.3	-0.35	69.2		484.1	-1.82	37.9
	437.4	-0.53	69.2		485.3	-1.78	37.2
	438.6	-0.66	69.2		486.4	-1.74	36.7
	439.8	-0.76	69.2		487.6	-1.72	36.0
	440.9	-0.81	69.2		488.8	-1.70	35.4
	442.1	-0.80	69.2		489.9	-1.68	35.0
	443.3	-0.76	69.2		491.1	-1.62	34.8
	444.4	-0.80	69.2		492.3	-1.58	34.5
	445.6	-0.89	69.2		493.4	-1.77	34.3
	446.8	-0.91	69.2		494.6	-1.93	40.0
	447.9	-0.95	69.2		495.8	-1.88	44.9
	449.1	-0.98	69.2		496.9	-1.85	44.6
	450.3	-1.03	69.2		498.1	-1.93	44.5
	451.4	-1.10	69.1		499.3	-2.08	45.1
	452.6	-1.12	69.1		499.6	-2.08	46.1
	453.8	-1.10	69.1				
	454.9	-1.10	69.1				
	456.1	-1.12	69.1				
	457.3	-1.18	69.1				
	458.4	-1.24	69.1				
	459.6	-1.25	69.1				
	460.8	-1.26	69.1				
	461.9	-1.26	69.1				
	463.1	-1.24	69.1				
	464.3	-1.25	69.1				
	465.4	-1.27	69.1				
	466.6	-1.32	69.1				
	467.8	-1.37	69.1				

Printing every 7 samples



**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Sam Gary Jr. & assoc.

Maier 1-36

1515 Wynkoop
STE 700
Denver Co. 80202
ATTN: Neil Sharp

36-15s-16w Ellis

Job Ticket: 041565

DST#: 1

Test Start: 2011.03.15 @ 12:00:05

Serial # 8650 Fluid				Serial # 8650 Fluid			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-0.30	57.6		95.6	0.45	83.5
	0.6	-0.37	60.3		96.8	0.48	83.8
	1.2	-0.48	64.6		97.9	0.49	84.2
	1.8	-0.58	64.8		99.1	0.49	84.8
	51.9	0.09	58.9		100.3	0.49	85.2
	62.9	0.13	71.7		101.4	0.47	85.6
	64.1	0.13	72.5		102.6	0.46	86.1
	65.3	0.11	73.2		103.8	0.48	86.4
	66.4	0.10	73.8		104.9	0.48	86.8
	67.6	0.08	74.4		106.1	0.50	87.1
	68.8	0.07	74.9		107.3	0.50	87.4
	69.9	0.08	75.4		108.4	0.47	87.7
	71.1	0.10	75.9		109.6	0.50	87.9
	72.3	0.11	76.4		110.8	0.54	88.2
	73.4	0.14	76.8		111.9	0.55	88.5
	74.6	0.16	77.2		113.1	0.56	88.9
	75.8	0.17	77.6		114.3	0.56	89.4
	76.9	0.17	78.0		115.4	0.55	89.7
	78.1	0.16	78.3		116.6	0.56	90.0
	79.3	0.18	78.6		117.8	0.56	90.4
	80.4	0.20	78.9		118.9	0.54	90.6
	81.6	0.21	79.2		120.1	0.51	90.8
	82.8	0.25	79.5		121.3	0.52	91.0
	83.9	0.28	79.9		122.4	0.54	91.2
	85.1	0.30	80.2		123.6	0.54	91.4
	86.3	0.32	80.6		124.8	21.03	94.0
	87.4	0.34	80.9		125.9	31.61	94.5
	88.6	0.37	81.3		127.1	38.80	94.4
	89.8	0.38	81.7		128.3	44.88	94.7
	90.9	0.40	82.0		129.4	45.48	95.0
	92.1	0.42	82.4		130.6	44.12	94.8
	93.3	0.42	82.8		131.8	43.47	94.7
	94.4	0.42	83.2		132.9	43.49	94.7

Printing every 7 samples

Serial # 8650				Serial # 8650			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	134.1	43.60	94.7		181.9	43.58	94.9
	135.3	43.76	94.7		183.1	43.53	95.0
	136.4	43.85	94.7		184.3	43.51	95.0
	137.6	43.88	94.6		185.4	43.54	95.0
	138.8	43.82	94.6		186.6	43.56	95.0
	139.9	43.68	94.6		187.8	43.58	95.0
	141.1	43.54	94.6		188.9	56.74	94.9
	142.3	43.46	94.6		190.1	63.71	95.6
	143.4	43.45	94.6		191.3	70.90	96.2
	144.6	43.46	94.6		192.4	76.39	96.8
	145.8	43.48	94.6		193.6	81.37	97.3
	146.9	43.53	94.6		194.8	86.07	97.6
	148.1	43.55	94.7		195.9	90.33	97.9
	149.3	43.56	94.7		197.1	94.71	98.2
	150.4	43.64	94.7		198.3	98.97	98.4
	151.6	43.74	94.7		199.4	103.79	98.7
	152.8	43.82	94.7		200.6	108.52	98.9
	153.9	43.83	94.7		201.8	113.02	99.1
	155.1	43.78	94.7		202.9	117.54	99.2
	156.3	43.74	94.7		204.1	122.00	99.2
	157.4	43.75	94.7		205.3	126.12	99.3
	158.6	43.76	94.7		206.4	130.54	99.4
	159.8	43.77	94.7		207.6	134.78	99.4
	160.9	43.75	94.7		208.8	138.54	99.5
	162.1	43.72	94.7		209.9	142.73	99.6
	163.3	43.69	94.8		211.1	146.72	99.6
	164.4	43.66	94.8		212.3	150.45	99.7
	165.6	43.67	94.8		213.4	154.00	99.7
	166.8	43.67	94.8		214.6	158.18	99.8
	167.9	43.66	94.8		215.8	161.45	99.9
	169.1	43.65	94.8		216.9	165.02	99.9
	170.3	43.62	94.8		218.1	168.29	100.0
	171.4	43.61	94.8		219.3	166.53	99.9
	172.6	43.59	94.8		220.4	165.55	99.7
	173.8	43.59	94.9		221.6	163.50	99.6
	174.9	43.60	94.9		222.8	163.56	99.5
	176.1	43.60	94.9		223.9	163.63	99.3
	177.3	43.58	94.9		225.1	163.61	99.3
	178.4	43.56	94.9		226.3	163.58	99.2
	179.6	43.56	94.9		227.4	163.60	99.1
	180.8	43.57	94.9		228.6	163.56	99.0

Printing every 7 samples

Serial # 8650				Serial # 8650			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	229.8	163.50	99.0		277.6	165.11	98.0
	230.9	163.58	98.9		278.8	165.23	98.0
	232.1	163.75	98.9		279.9	165.26	98.0
	233.3	163.69	98.8		281.1	165.35	98.0
	234.4	164.03	98.8		282.3	165.38	97.9
	235.6	163.84	98.7		283.4	165.44	97.9
	236.8	163.74	98.7		284.6	164.83	97.9
	237.9	163.70	98.7		285.8	164.89	97.9
	239.1	163.66	98.6		286.9	164.78	97.9
	240.3	163.59	98.6		288.1	165.58	97.9
	241.4	163.53	98.6		289.3	165.51	97.9
	242.6	163.49	98.5		290.4	165.54	97.9
	243.8	163.45	98.5		291.6	165.47	97.9
	244.9	163.42	98.5		292.8	165.86	97.9
	246.1	163.36	98.4		293.9	165.89	97.9
	247.3	163.36	98.4		295.1	165.90	97.9
	248.4	163.47	98.4		296.3	165.84	97.9
	249.6	163.62	98.4		297.4	165.80	97.9
	250.8	163.86	98.3		298.6	165.82	97.9
	251.9	163.80	98.3		299.8	165.99	97.9
	253.1	164.26	98.3		300.9	166.10	97.9
	254.3	164.30	98.3		302.1	166.05	97.8
	255.4	164.37	98.2		303.3	166.05	97.8
	256.6	164.37	98.2		304.4	166.07	97.8
	257.8	164.36	98.2		305.6	166.08	97.8
	258.9	164.36	98.2		306.8	166.06	97.8
	260.1	164.34	98.2		307.9	166.03	97.8
	261.3	164.31	98.2		309.1	166.00	97.8
	262.4	164.29	98.1		310.3	167.03	97.8
	263.6	164.26	98.1		311.4	166.41	97.8
	264.8	164.20	98.1		312.6	166.37	97.8
	265.9	164.23	98.1		313.8	168.09	97.8
	267.1	164.32	98.1		314.9	167.00	97.8
	268.3	164.29	98.1		316.1	166.43	97.7
	269.4	164.08	98.1		317.3	166.33	97.6
	270.6	164.10	98.0		318.4	166.27	97.6
	271.8	164.38	98.0		319.6	167.76	97.5
	272.9	164.48	98.0		320.8	164.90	97.5
	274.1	164.60	98.0		321.9	165.85	97.3
	275.3	164.40	98.0		323.1	165.88	97.1
	276.4	165.02	98.0		324.3	165.90	97.0

Printing every 7 samples

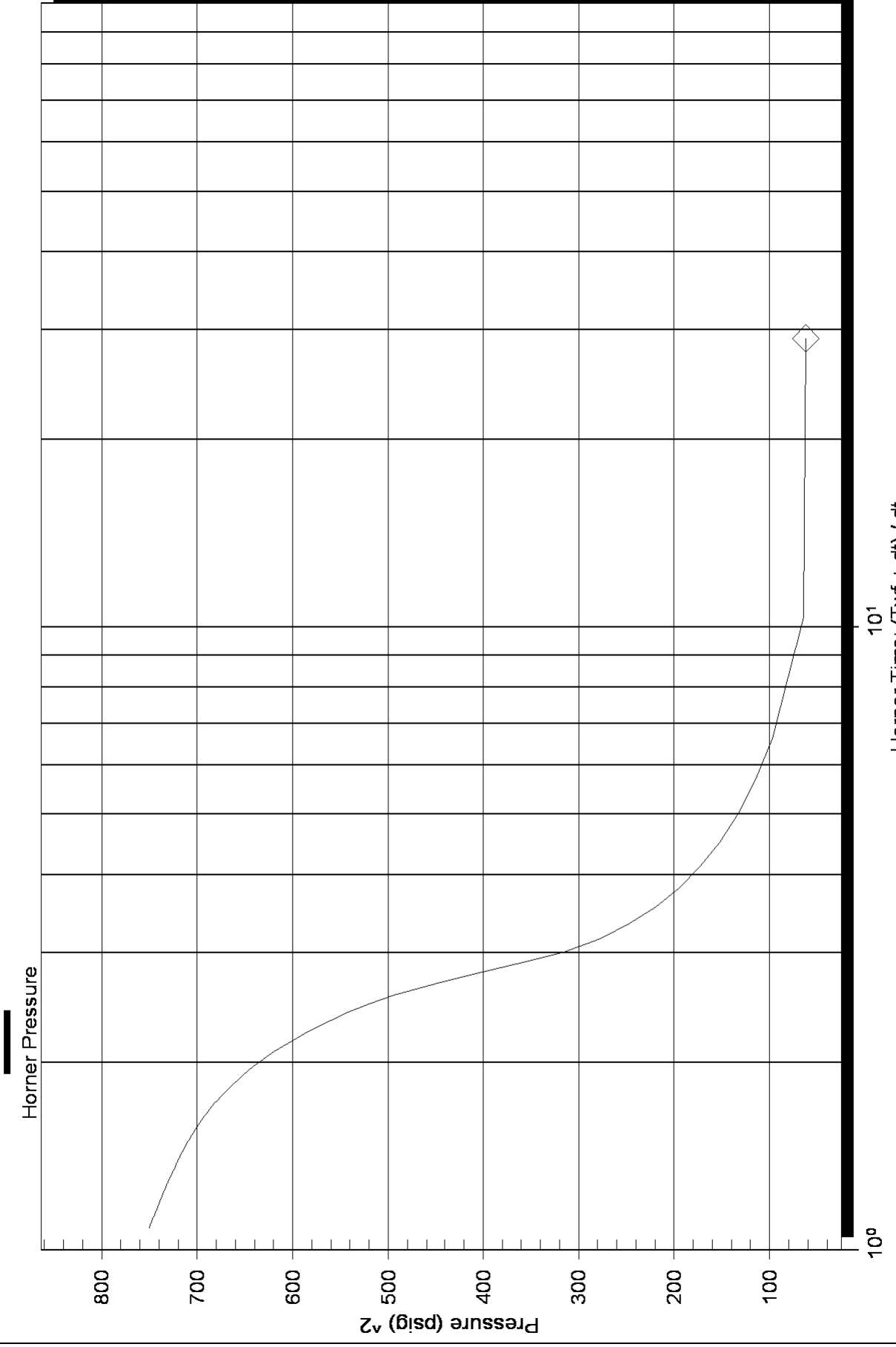
Serial # 8650				Serial # 8650			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	325.4	165.91	96.8		373.3	165.05	78.0
	326.6	165.91	96.7		374.4	165.11	77.6
	327.8	165.87	96.7		375.6	165.31	77.2
	328.9	166.63	96.5		376.8	165.31	76.9
	330.1	166.44	96.3		377.9	165.94	76.6
	331.3	157.91	95.9		379.1	166.19	76.3
	332.4	162.08	95.5		380.3	166.41	76.1
	333.6	166.83	95.0		381.4	167.20	75.9
	334.8	157.23	94.5		382.6	163.78	75.7
	335.9	166.62	93.9		383.8	162.72	75.4
	337.1	166.77	93.4		384.9	163.99	75.1
	338.3	166.38	92.8		386.1	162.96	74.9
	339.4	165.50	92.2		387.3	160.69	74.6
	340.6	165.52	91.6		388.4	159.88	74.3
	341.8	165.80	91.0		389.6	160.39	74.1
	342.9	165.82	90.6		390.8	158.18	73.8
	344.1	165.69	90.1		391.9	159.76	73.6
	345.3	170.12	89.5		393.1	160.99	73.4
	346.4	167.04	89.0		394.3	137.08	73.2
	347.6	167.27	88.5		395.4	101.84	73.0
	348.8	169.45	88.1		396.6	88.67	72.8
	349.9	166.46	87.7		397.8	88.73	72.6
	351.1	166.35	87.3		398.9	90.01	72.4
	352.3	164.89	87.0		400.1	90.08	72.2
	353.4	165.58	86.7		401.3	82.05	72.1
	354.6	165.67	86.5		402.4	83.21	71.9
	355.8	165.59	86.2		403.6	83.11	71.7
	356.9	165.63	85.9		404.8	76.67	71.8
	358.1	169.07	85.5		405.9	78.09	72.2
	359.3	168.87	85.1		407.1	80.73	72.4
	360.4	164.84	84.7		408.3	63.67	72.6
	361.6	170.35	84.2		409.4	69.29	72.5
	362.8	162.34	83.7		410.6	75.33	72.4
	363.9	166.14	83.3		411.8	42.50	72.2
	365.1	165.79	82.7		412.9	37.84	72.0
	366.3	165.64	82.1		414.1	42.68	72.0
	367.4	164.61	81.4		415.3	45.31	72.0
	368.6	164.69	80.6		416.4	46.56	72.1
	369.8	164.61	79.8		417.6	13.10	71.6
	370.9	165.00	79.1		418.8	15.53	71.4
	372.1	165.03	78.5		419.9	16.25	71.3

Printing every 7 samples

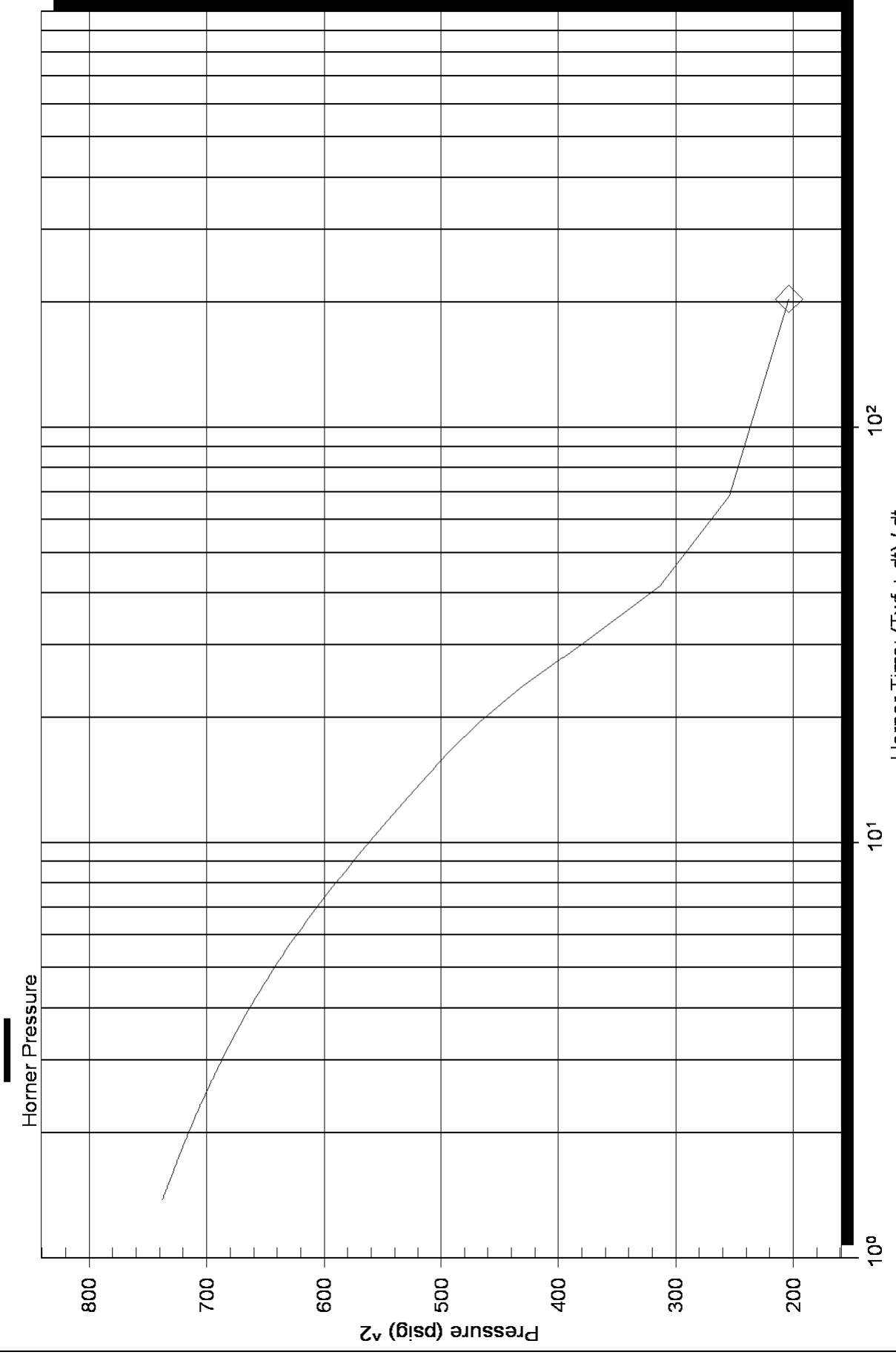
Serial # 8650				Serial # 8650			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	421.1	6.08	71.1		468.9	-0.56	33.8
	422.3	-0.17	70.6		470.1	-0.54	33.6
	423.4	-1.44	67.8		471.3	-0.52	33.5
	424.6	-1.49	64.2		472.4	-0.50	33.4
	425.8	-1.41	60.8		473.6	-0.50	33.3
	426.9	-1.31	57.6		474.8	-0.51	33.2
	428.1	-1.23	54.9		475.9	-0.52	33.1
	429.3	-1.27	52.5		477.1	-0.49	33.0
	430.4	-1.30	50.5		478.3	-0.48	33.0
	431.6	-1.28	48.6		479.4	-0.47	33.0
	432.8	-1.24	47.0		480.6	-0.41	33.2
	433.9	-1.18	45.7		481.8	-0.35	33.5
	435.1	-1.07	44.4		482.9	-0.32	33.2
	436.3	-0.97	43.4		484.1	-0.33	32.9
	437.4	-1.00	42.5		485.3	-0.36	32.6
	438.6	-1.02	41.6		486.4	-0.45	32.4
	439.8	-1.00	40.8		487.6	-0.48	32.3
	440.9	-1.02	40.1		488.8	-0.42	32.2
	442.1	-1.03	39.5		489.9	-0.34	32.1
	443.3	-1.00	38.9		491.1	-0.22	32.0
	444.4	-0.97	38.4		492.3	0.02	32.1
	445.6	-0.94	38.0		493.4	0.24	34.3
	446.8	-0.92	37.6		494.6	0.29	35.7
	447.9	-0.86	37.3		495.8	0.28	36.6
	449.1	-0.80	37.2		496.9	0.22	37.3
	450.3	-0.74	37.9		497.3	0.24	37.5
	451.4	-0.68	37.5				
	452.6	-0.68	37.1				
	453.8	-0.69	36.8				
	454.9	-0.65	36.4				
	456.1	-0.64	36.0				
	457.3	-0.64	35.7				
	458.4	-0.66	35.4				
	459.6	-0.66	35.2				
	460.8	-0.62	34.9				
	461.9	-0.61	34.7				
	463.1	-0.61	34.5				
	464.3	-0.62	34.3				
	465.4	-0.61	34.2				
	466.6	-0.60	34.0				
	467.8	-0.58	33.9				

Printing every 7 samples

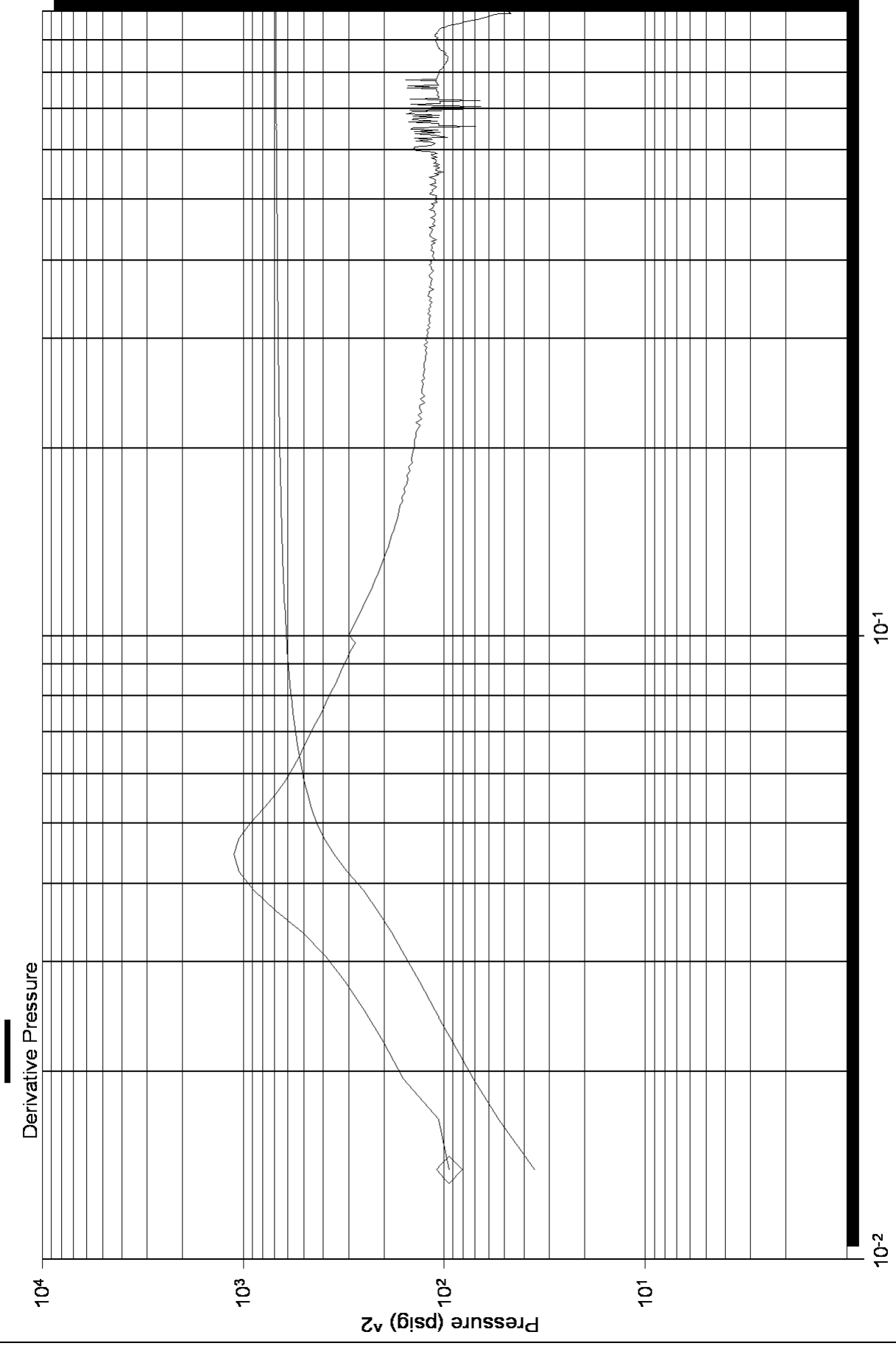
Homer Plot



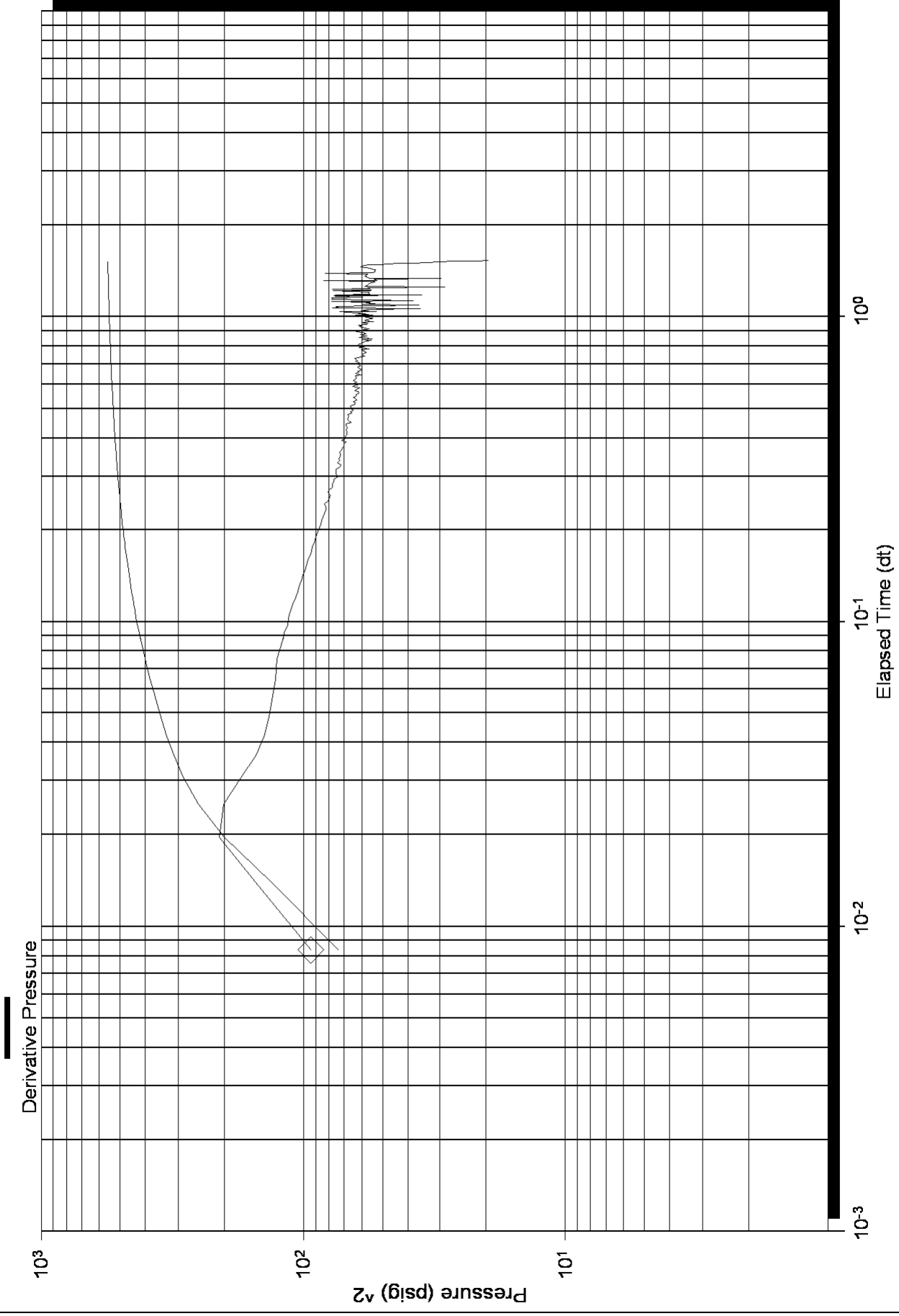
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





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

Well Name: Maier 1-36
Location: SEC 36, 15S, 16W, Ellis Co. , Kansas
License Number: 15-051-26107-0000
Spud Date: 03/09/2011
Surface Coordinates: 2030' FNL & 2240' FwL
Region: Wildcat
Drilling Completed: 03/16/11

Bottom Hole Coordinates:

Ground Elevation (ft): 1913' K.B. Elevation (ft): 1923'
Logged Interval (ft): 1700' To: 3590' Total Depth (ft): 3590'
Formation: Lansing, Arbuckle
Type of Drilling Fluid:

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

OPERATOR

Company: Samuel Gary Jr, & Assoc.
Address: 1515 Wykoop, Ste. # 700
Denver, Colo. 80202
Geo: Neal Sharp

GEOLOGIST

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

Circulating Report

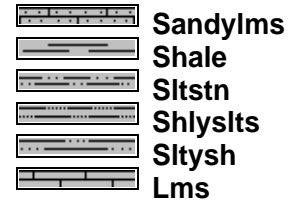
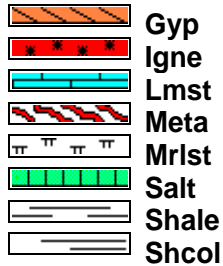
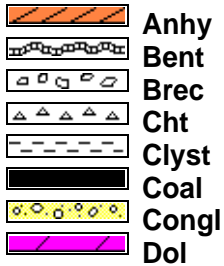
START UNMANNED UNIT @ 1700' ON 03/11/11 BY RODNEY NAPIER

DST's Report

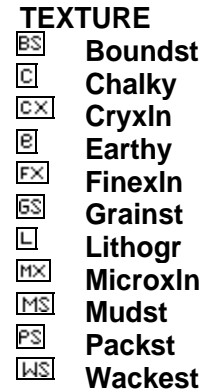
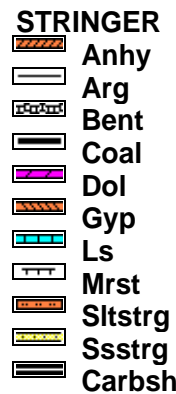
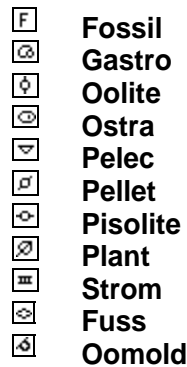
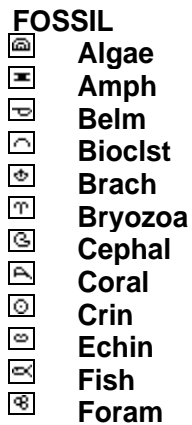
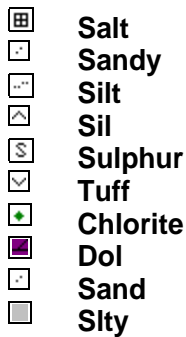
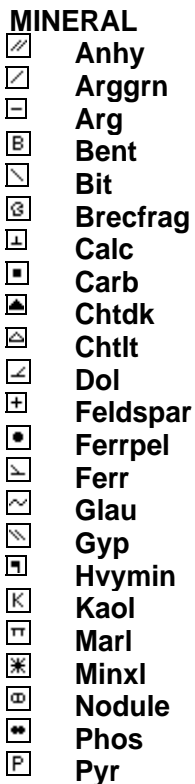
DST#1 3202'-3232' ANCHOR 30'
IF:BOB 1 MIN,IS: RTN BLOW BUILD TO 6",FF:BOB IMEDIATELY FS:RTN BLOW GTS IN 10 MIN BUILD TO 8"
RECOVERY:600' TOTAL 520' GCO,80'GOCLM BHT 101
GRAVITY 42
IH:1557,FIF:85,FFF:61,ISI:750,SIF:83,SFF:180,FSI:737, FH:1535 TIMES: 5,60,30,90

DST's Report

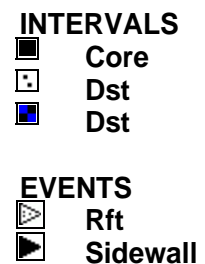
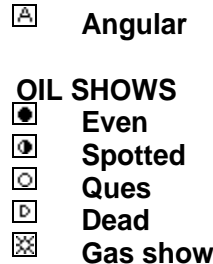
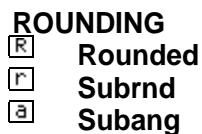
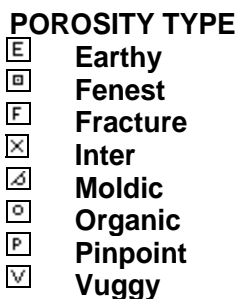
ROCK TYPES

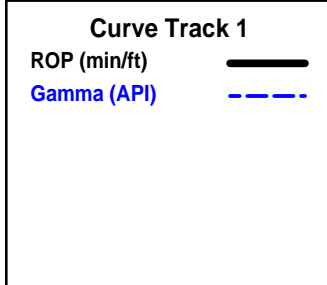


ACCESSORIES



OTHER SYMBOLS



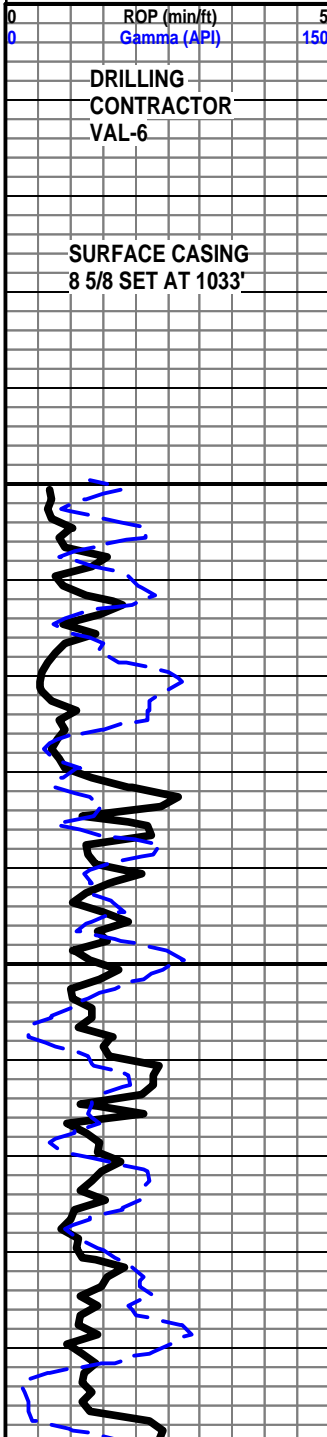
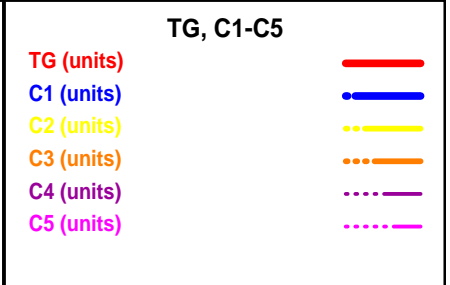


Depth

Lithology

Oil Shows

Geological Descriptions



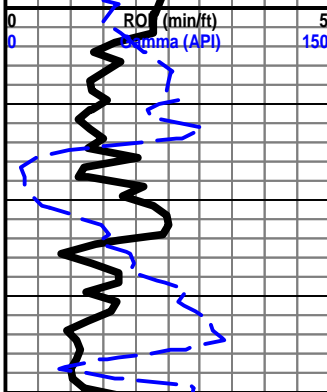
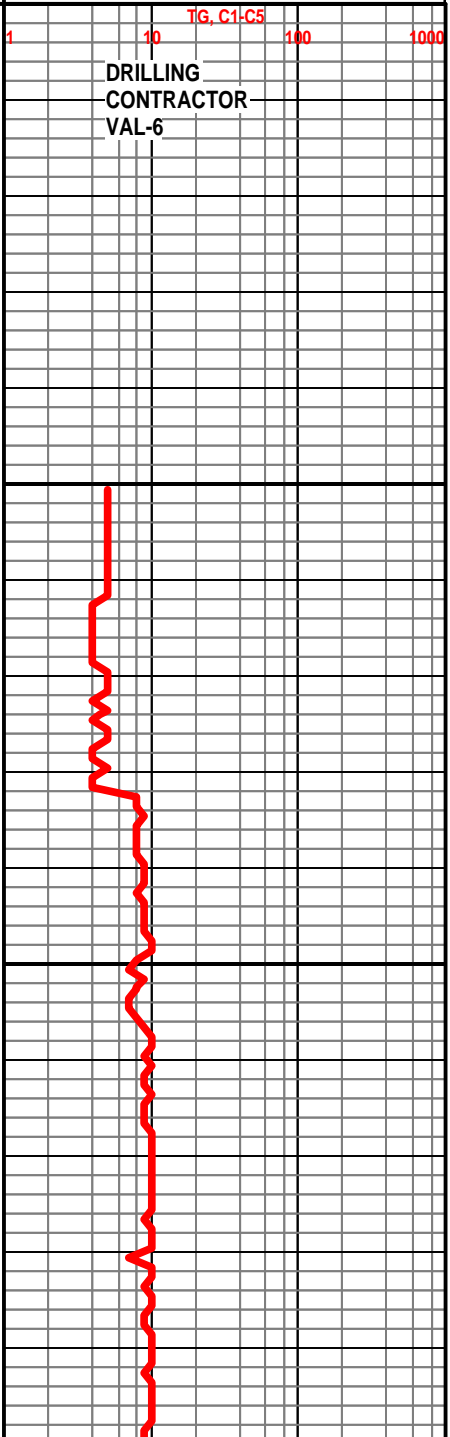
16

1700

1750

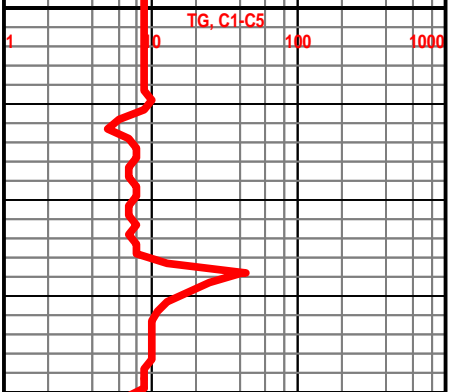
1800

START UNMANNED UNIT BY RODNEY
NAPIER ON 03/11/11 AT 11:45 PM



1800

DEPTH CORRECTION DRILLER FOUND 31'
DISCREPENCY ON TALLY BOARD RETALLIED BOARD
CORRECTED COUNTER AND RE-SET DEPTH ON
COMPUTER.



1

10

100

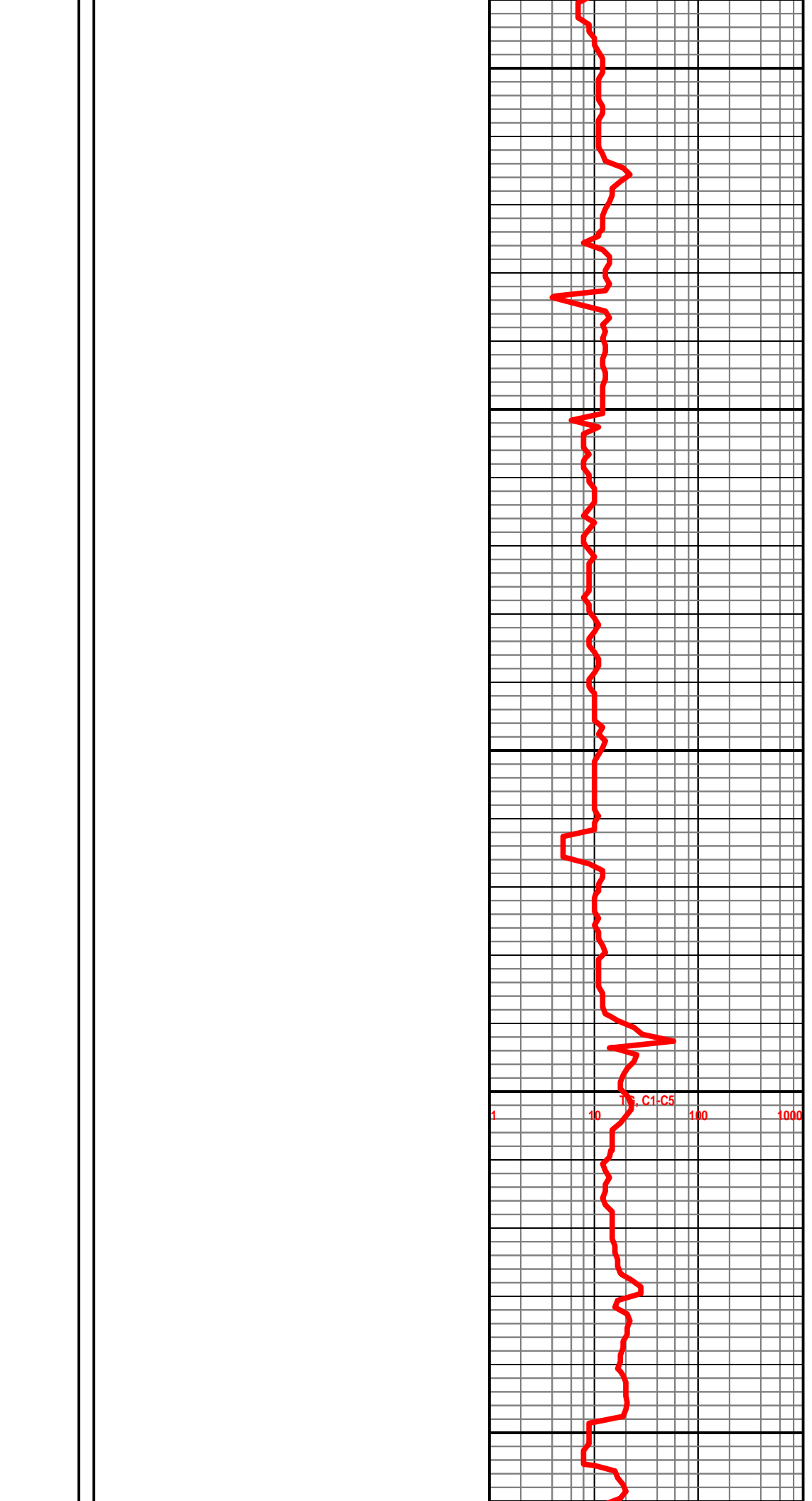
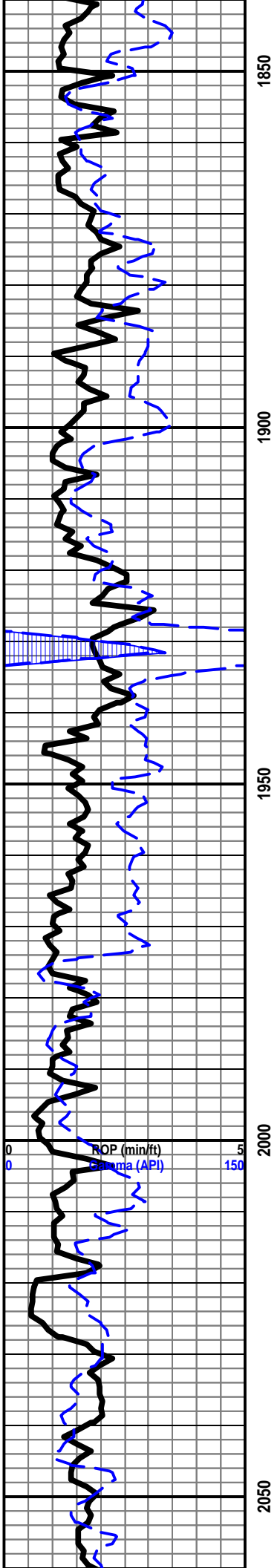
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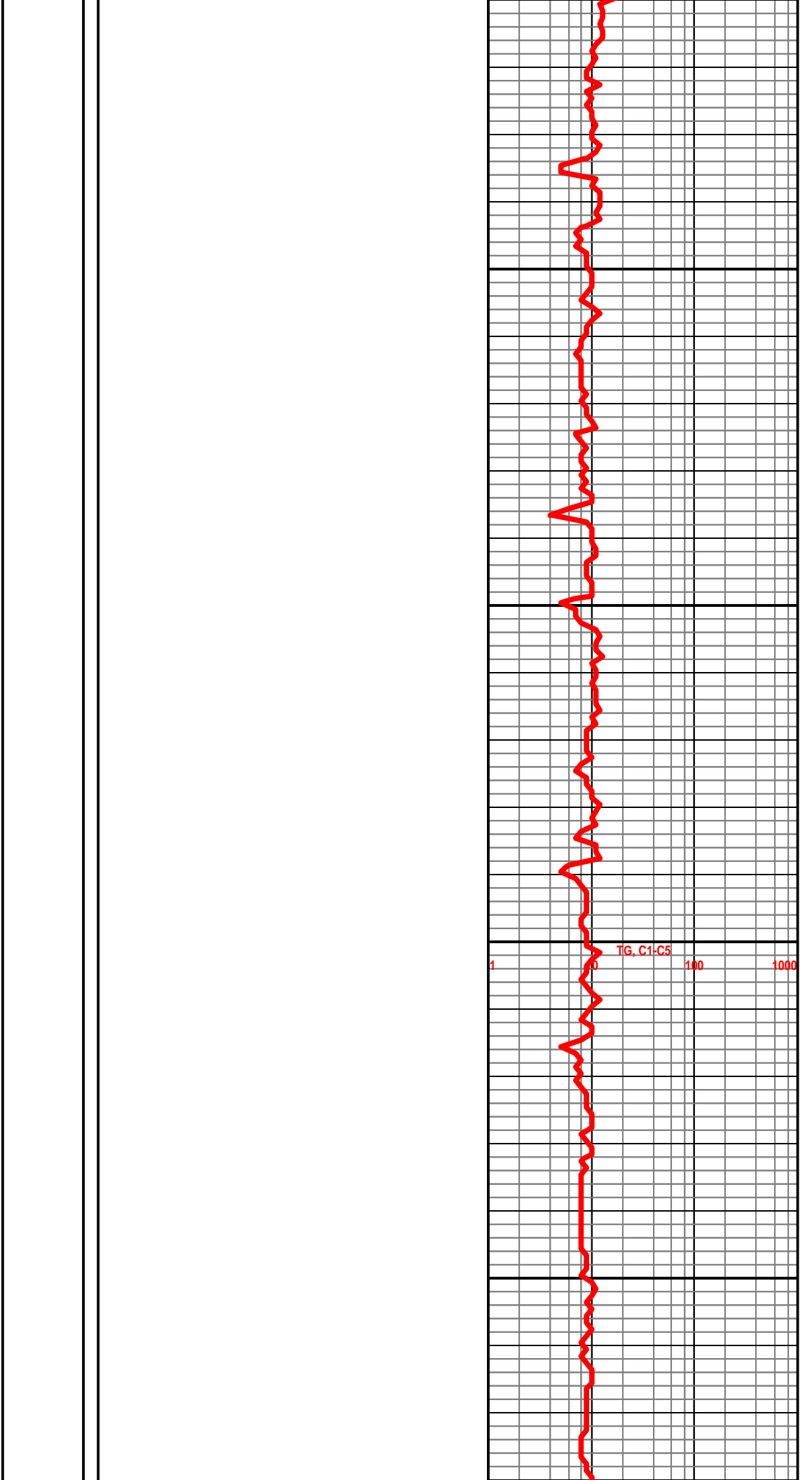
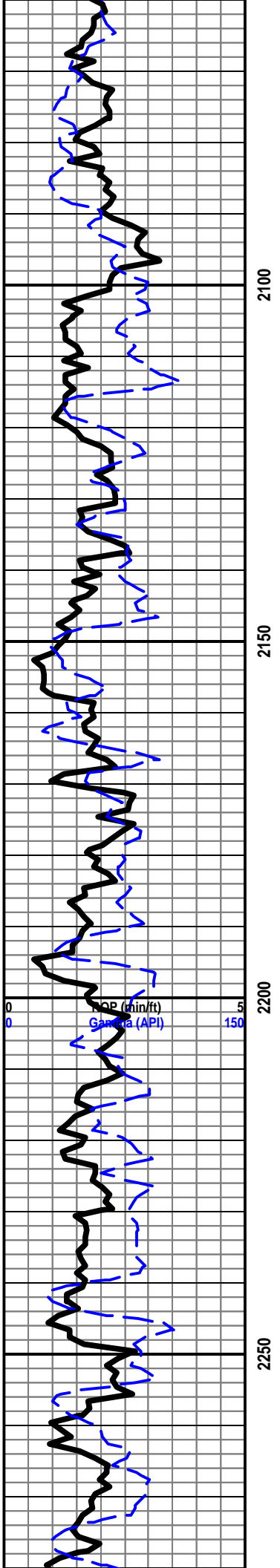
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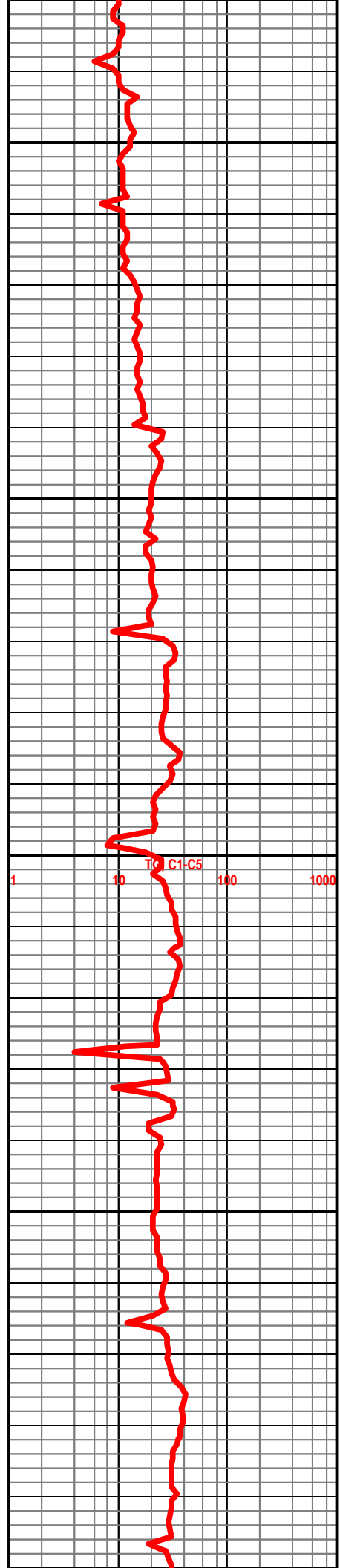
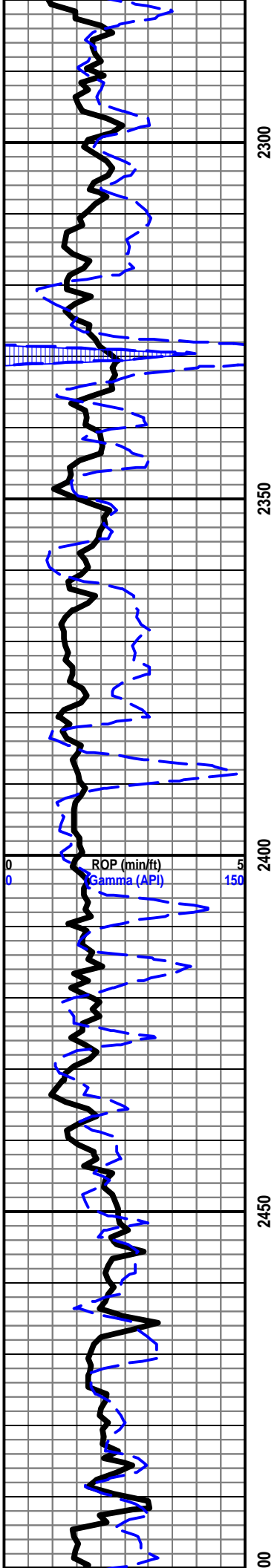
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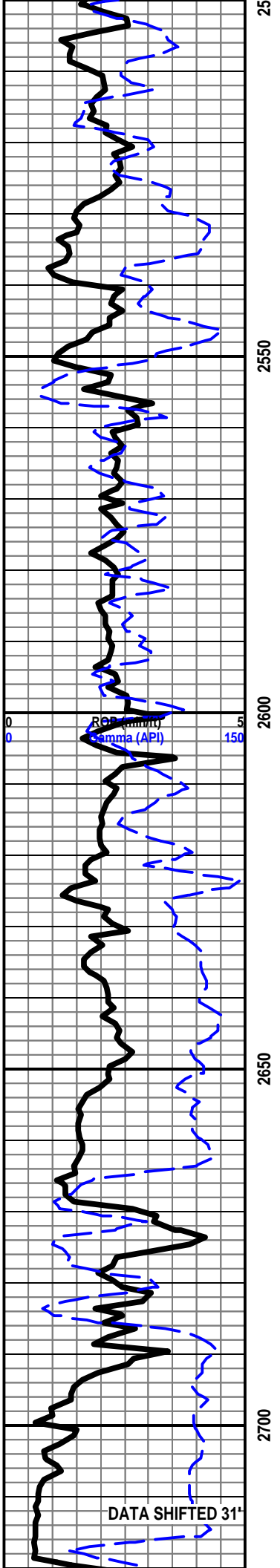
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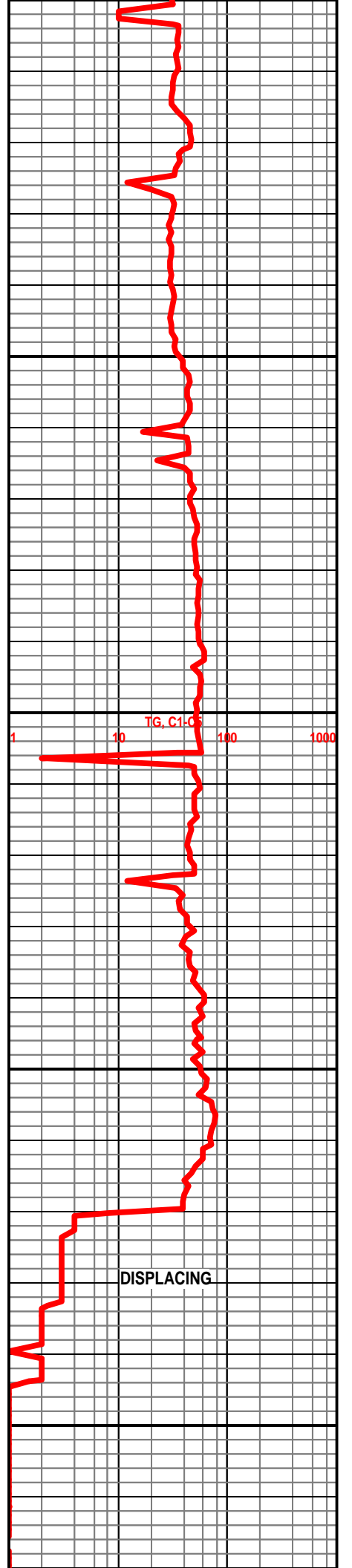


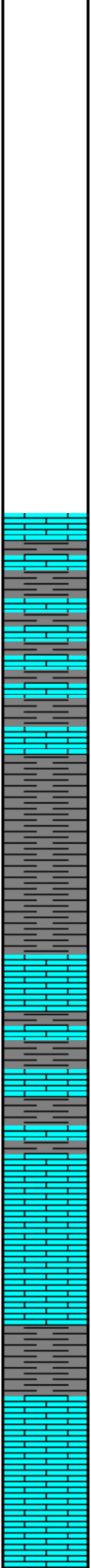
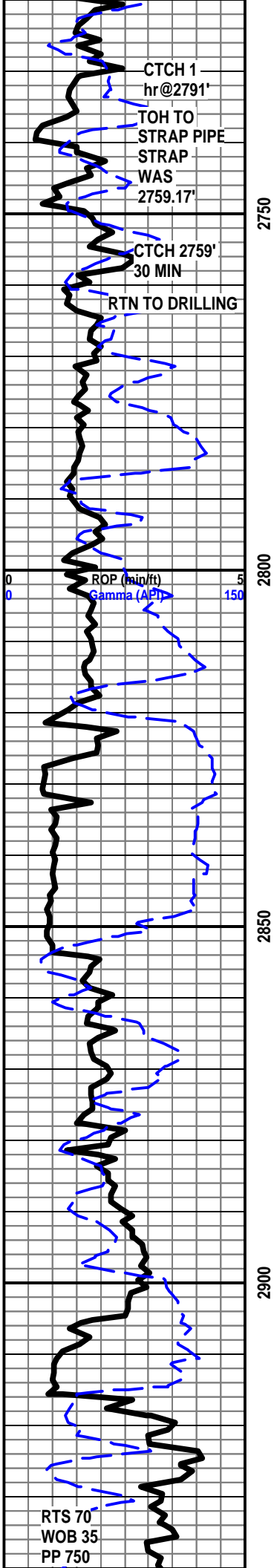






BASE ROOT SHALE 2668' -745'





DEPTH CORRECTION DRILLER FOUND 31'
DISCREPANCY ON TALLY BOARD RETALLIED BOARD
STRAPPED PIPE AT 2791' STRAP WAS 2759'
CORRECTED COUNTER AND RE-SET DEPTH ON
COMPUTER TO 2759' AND SHIFTED DATA FROM 2791'
TO 2759' CURRENT DEPTH

START ONE MAN DATA AQUISION ON
03/13/11

LS DK GRY TO GRY TO TN HD DN TT VVFN TO FN XLN
MTX WITH INTER BEDED DK GRY SH FRM BLKY CALC
TO LMY NO FLO NO VIS POR NO IS SHOW

SH GRY TO LT GRY VRY SFT AND GUMMY THRU

SH GRY TO LT GRY VRY SFT AND GUMMY THRU

HOWARD 2854' -931'

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

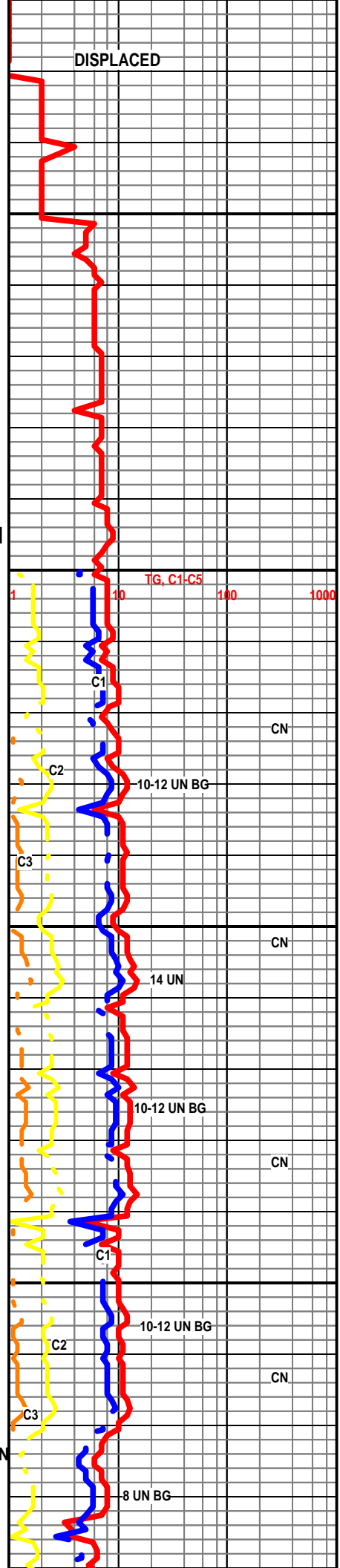
SH DK GRY TO GRY SMOOTH HD BRITT CALC TO LMY

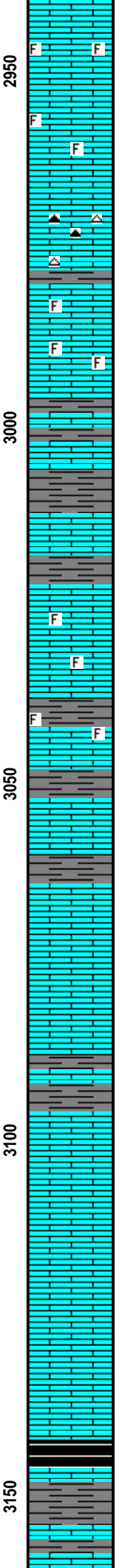
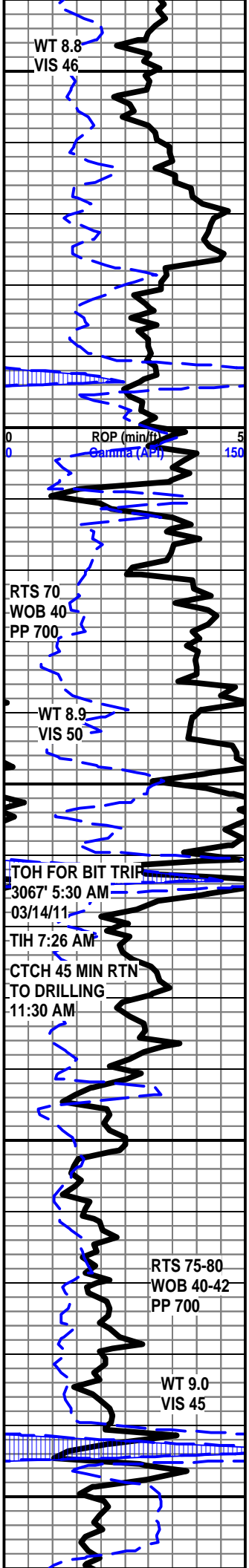
LS LT GRY DK TN TO TN MOTT HD DN TT CRYPTO TO
VVFN TO FN XLN MTX TR IMBD SH IP TO TR PYR IP NO
FLO NO VIS POR NO VIS SHOW

SH GRY LT GRY SFT SILTY

TOPEKA 2915' 992'

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





LSGRY LT GRY LT TN BUFF MOTT HD DN TT VVFN TO FN
XLN MTX TR IMBD FOSS SUB-CHLKY IP TR IMBD CALC
XLS SCATT LT DULL YLW FLO VRY PR TO PR TO NO
POR NO CUT NO VIS SHOW

LS GRY TO LT GRY HD TT VVFN TO VFN XLN MTX
SUCROT MTX WITH IMBD FOSS TR PYR NODULES IN
TRAY TR DK GRN TO OFF WHT CHERT IP NO FLO NO
VISS POR NO VIS SHOW

2980' @ 00:01 AM 03/14/11

LS LT GRY TN LT TN BUFF HD DN TT VFN TO FN XLN
MTX IMBD FOSS TR LOOSE QRTZ XLS IN TRAY SCATT
DULL YLW FLO IP NO VIS POR NO CUT NO VIS SHOW

SH GRY DK BRN SMOOTH FRM BRITT CALC TO LMY
WITH TR IMBD FOSS IP

LE COMPTON 3021' -1098'

LSDK TN TO TN BUFF CRM IP HD BRITT VFN TO FN XLN
MTX RE-XLN MTX IP TR IMBD QRTZ XLS TO IMBD AND
LOOSE FOSS FRG IN TRAY NO VIS POR NO CUT NO VIS
SHOW

SH GRY FRM BLKY CALC TO LMY

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

LS DK TN LT TN CRM BUFF HD DN TT BRITT VVFN TO FN
XLN MTX SUCRO TXT IP SUB-CHLKY WIT TR IMBD FOSS
TR PR VUG POR TO SLT TR POR MICRO PP POR NO FLO
NO CUT NO VIS SHOW

LS DK GRY DK TN TO TN HD DN TT CRYPTO TO VVFN
XLN MTX TR LT WHT CHERT IP NO FLO NO VIS POR NO
VIS SHOW

SH GRY DK BRN TO RD/BRN SMOOTH FRM BRITT LMY

LS LT TN CRM BUFF FRM BRITT VFN TO FN XLN MTX
SUCRO TXT TR IMBD QRTZ XLS TR SFT WHT GUMMY
CHLK IMBD FOSS TR LMNTD PYR IP PR PP AND MICRO
PP POR TO TR PR VUG POR IP SCAT DULL YLW FLO NO
CUT NO VIS SHOW

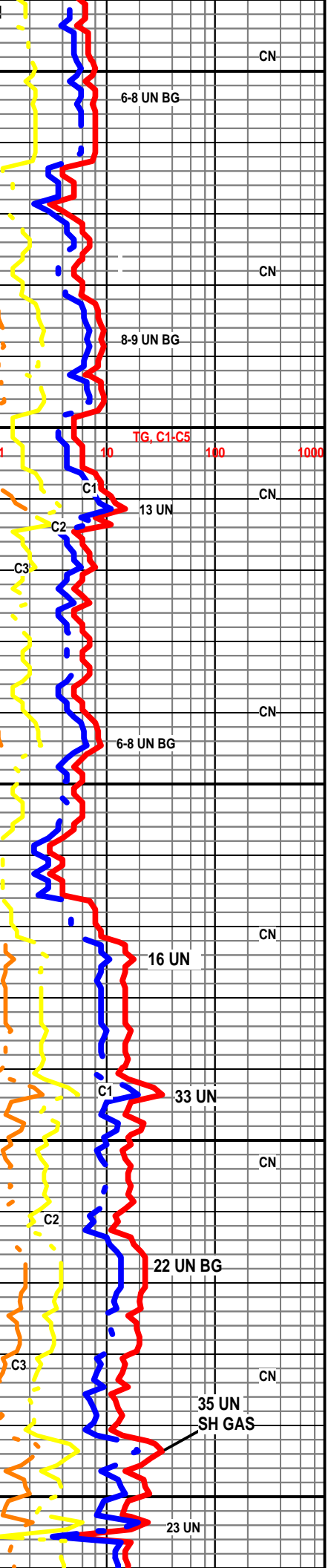
LS CRM BUFF OFF WHT TO WHT HD DN TT CRYPTO TO
VVFN XLN MTX NO FLO NO VIS POR NO VIS SHOW

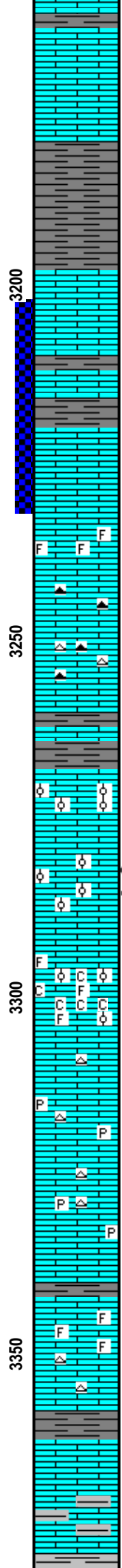
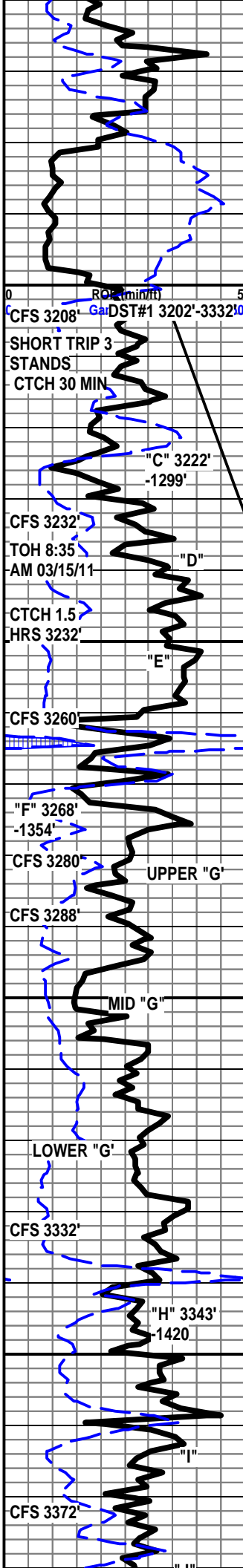
LS LT TN CRM BUFF TO OFF WHT FRM BRITT VFN TO FN
XLN MTX IMBD OOLITES IP TR IMBD FOSS SUB-CHLKY
TR IMBD CALC XLS IP TR PR TT INTER XLN POR NO CU
NO VIS SHOW

HEEBNER 3143' -1220'

SH BLK CARB

SH DK GRY TO GRY HD FRM BLKY TO SMOOTH HD TO
BRITT TO LMY





LS LT TN CRM BUFF HD DN TT CRYPTO TO VVFN XLN
 MTX TR IMBD FOSS TR LMNTD PYR BRITE LT YLW FLO
 THRU TR PR MICRO PP TO NO POR NO CUT NO VIS
 SHOW

DOUGLAS 3179' -1256'

SH LT GRY TO GRY SFT GUMMY THRU

LANSING 3198' -1275'

LS CRM BUFF TO OFF WHT LT TN IP MOTT IP HD DN TT CRYPTO TO
 VVFN XLN MTX TR IMBD FOSS IP LT YLW FLO 25% DULL YLW FLO 10%
 NO STAIN VRY/FAINT ODOR IN 60 MIN SAMPLE NO VIS POR NO CUT N
 VIS SHOW

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

3223'-3230' LS LT TN DUE TO STAIN 15% CRM BUFF TO OFF WHT FRM
 BRITT VFN TO FN XLN MTX SUCRO TXT TR IMBD CALC XLS PR INTER
 XLN POR 45% TO FAIR INTER XLN POR 25% GLDN YLW FLO 45% TO
 BRITE YLW FLO 40% PR TO FAIR ODOR FAIR FLUSH CUT TO SPOTTY
 MILKY BLUE STREAM CUT

3235'-3239' LS TN LT TN BUFF HD DN VFN TO FN XLN MTX SUCRO MTX
 TR IMBD FOSS BRITE YLW FLO 60% STAIN ON 3 ROCKS PR TO FAIR
 ODOR PR TT INTER XLN POR TO TR MICRO VUG AND TR MICRO PP
 POR FAINT TO NO FLUSH CUT LT YLW RING CUT TT SHOW

3239'-3248' LS DK TN TO TN BUFF TO OFF WHT HD DN TT CRYPTO XLN
 MTX THRU TR LMNTD PYR TR PYR NODULES IN TRAY DULL LT YLW
 FLO NO VIS POR NO CUT NO VIS SHOW

3248'-3260' LS DK TN TO TN LT GRY TO BUFF TO OFF WHT MOTT HD DN
 TT CRYPTO TO VVFN XLN MTX TR WHT TO LT GRY CHERT NO FLO NO
 VIS POR NO VIS SHOW

3269'-3273' LS LT TN CRM BUFF HD TO FRM BRITT VFN TO FN TO MD
 XLN MTX RE-XLN MTX IMBD VRY/SM TO SM CALC XLS WITH IMBD
 OOLITES 50% WITH CLUSTERS OF OOLITES WITH CALC XLS
 SUB-CHLKY IP LT OIL STAIN 25-30% GLDN YLW FLO 50%/ LT BRITE
 YLW FLO 15-20% FAIR TO GOOD ODOR FAIR PR FAIR TO TR GOO
 INTER XLN POR FAIR VUG POR TO POSS INTER FOSS POR INSTANT
 FLUSH CUT TO SLOW MILKY BLUE STREAM CUT

3273'-3280' LS DK TN TO TN LT GRY BUFF MOTT FN TO MD XLN MTX
 RE-XLN MTX TR IMBD FOSS TR IMBD QRTZ XLS LT YLW FLO 40% OIL
 STAIN 5% FAINT ODOR TR MICRO VUG TO PP POR PR TO TR FAIR
 INTER XLN POR IP SLOW SPOTTY MILKY BLUE STREAM CUT FROM
 TWO ROCKS

3280'-3288' LS TN LT TN BUFF TO OFF WHT FRM BRITT TO SFT IMBD
 OOLITES 80% SUB-CHLKY STAIN IN VUGS WITH IMBD CALC XLS 15%
 GLDN YLW FLO 40% TO DULL GLDN YLW FLO 35% TO LT BRITE YLW
 FLO 20% FAIR INTER XLN TO FAIR TO GOOD VUG POR POSS TT INTER
 FOSS POR FAINT TO POOR FLUSH CUT SLOW SPOTTY MILKY BLUE
 STREAM CUT 2 ROCKS YLW GREEN RING CUT

3288'-3294' LS CRM BUFF OFF WHT HD DN TT CRYPTO TO VVFN XLN
 MTX NO FLO NO VIS POR NO VIS SHOW

3294'-3306' LS CRM OFF WHT TO WT FRM TO SFT FN XLN MTX WIT
 IMBD FOSS THRU TR OOLITES IMBD IN FRM TO SFT WHT CHLK
 OOMOLDIC IP SCATT LT YLW FLO PP AND MICRO PP POR NO STAIN
 NO ODOR NO CUT NO VIS SHOW

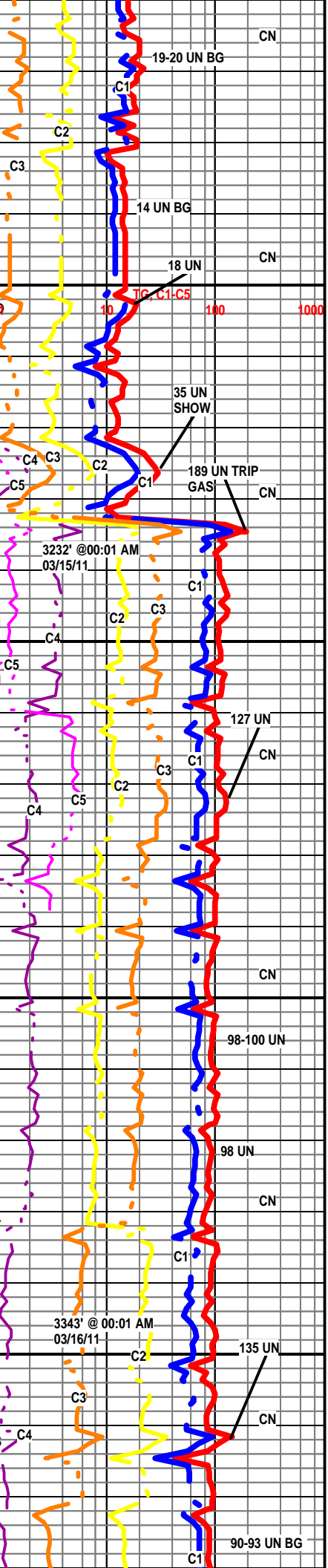
3306'-3332' LS OFF WHT TO WHT GRY TO LT GRY TO LT TN MOTT HD
 DN TT CRYPTO XLN MTX PKSTN TR LT WHT TO TRANSLUCENT CHER
 IP TR PYR NODULES IN TR IMBD PYR NO FLO NO VIS POR NO VIS
 SHOW

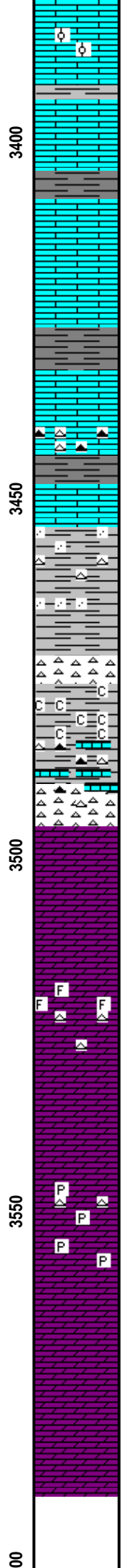
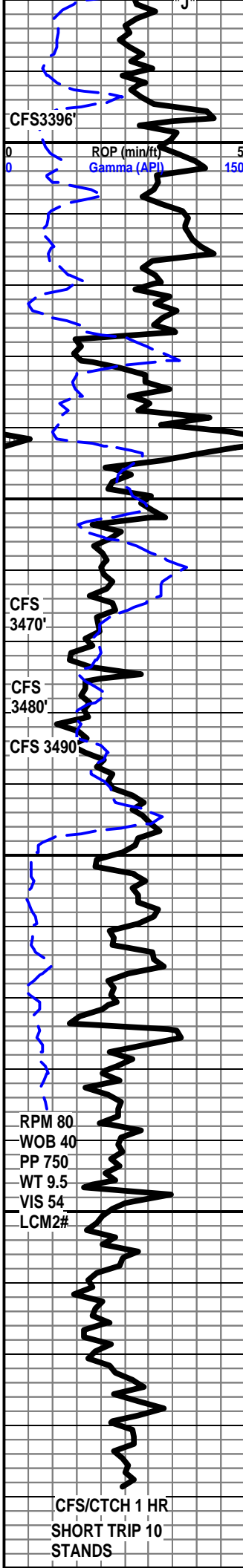
LS CRM BUFF TO OFF WHT TO LT GRY HD DN TT CRYPTO TO VVFN TO
 FN XLN MTX TR LOOSE FOSS FRGS IN TRAY TR WHT TO LT TN CHER
 SCATT LT YLW FLO NO ODOR NO STAIN NO VIS POR NO CUT NO VIS
 SHOW

SH GRY TO LT GRY SMOOTH SPLNTY CALC

LS LT GRY WHT TO LT WHT VFN TO FN XLN MTX RE-XLN MTX TR DISS
 GRY SH IP TO IMBD CLR TO FRSTY WHT QRTZ XLS VRY SM CALC XLS
 DULL LT YLW FLO NO ODOR NO STAIN NO VIS POR NO CUT NO VIS
 SHOW

LS TN LT TN CRM BUFF TO LT GEY HD DN TT CRYPTO TO VVFN XLN
 MTX SUCRO TXT IP TO TR LOOSE FOSS FRG IN TRAY LT YLW FLO NO
 STAIN NO ODOR NO VIS POR NO CUT NO VIS SHOW





LS LT TN LT GRY TO OFF WHT TO WHT HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD OOLITES IP PCS FRM WHT CHLK TR PYR NODULE IN TRAY TR LT TN TO ORNG CHERT IP TR LMNTD PYR LT YLW FLO TO DULL YLW FLO NO VIS POR NO ODOR NO CUT NO VIS SHOW

SH DK GRY TO GRY HD FRM BLKY CALC TO LMY SMMOTH HRD BRIT TO LMY

LS DK GRY DK TN TO TN TO OFF WHT HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD PHAN FOSS IP NO FLO NO VIS POR NO VIS SHOW

BKC 3427' -1504'

SH GRY LT GRY TO DK BRN SLTLY FRM TO SFT GUMMY TRU

LS DK GRY DK TN TO TN BUFF HD DN TT CRYPTO TO VVFN XLN MTX WITH ORNG DK BRN TO BLK AND TRANSLUCENT CHERT NO FLO NO VIS POR NO VIS SHOW

LS TN LT TN CRM BUFF HD DN BRITT VFN TO FN XLN MTX TR IMBD FOSS IP DISS DK BRN SH NO FLO NO VIS POR NO VIS SHOW

SH BRN REDISH BRN FRM BLKY WITH IMBD VR/SM SUB-RND TO RND CLR SS GRNS IMBD WITH WHT CHERT INTER BEDED

SS CLR FSTY WHT SUB-RND TO RND VRY SM UNCONSOLIDATED SS GRNS IN TRAY NO FLO NO CUT NO VIS SHOW

CHERT WHT TO OFF WHT WITH DISS REDISH BRN SH

SH RD/BRN TO GRY TO MD GRY PINK AND PURPLE SHALE SMOOTH HD SPLNTY TO SFT GUMMY WITH TR CHERT WHT TO OPAQUE BLK AND GRN. TR IMBD LS DK TN TO TN TO BUFF

ARBUCKLE 3496' -1573'

3497'-3502' DOL LT TN CRM BUFF FRM BRITT TO SFT FN XLN MTX RE-XLN MTX SUCRO TXT TR CLR DOL XLS IP LT OIL STAIN 10% DULL GLDN YLW FLO 40% PR INTER XLN POR TO TR MICO PP POR NO ODOR FAINT FLUSH CUT TO SLOW SPOTTY MILKY BLUE STREAM CUT FROM 4%

3502'-3508' DOL CRM BUFF OFF WHT CRYPTO TO VVFN XLN MTX SUCRO TXT THRU SCATT LT DULL YLW FLO NO VIS POR NO ODOR NO CUT NO VIS SHOW

3509'-3513' DOL CRM BUFF TO OFF WHT FRM BRITT VFN TO FN XLN MTX RE-XLN MTX SUCRO TXT LT YLW FLO 20% TO DULL YLW FLO 35% SLT TR OIL STAIN NO ODOR POSS TT INTER XLN POR FAINT FLUSH CUT TO LT YLW RING CUT

3516'-3523' DOL CRM BUFF TO OFF WHT VFN TO FN XLN MTX DOL XLS IP TR CALC XLS IP TR IMBD FOSS IP SUB-CHLKY PR TO FAIR INTER XLN TO MICRO VUG POR NO ODOR NO STAIN NO CUT NO VIS SHOW

3527'-3546' DOL CRM BUFF TO OFF WHT TO WHT FRM BRITT VFN TO FN XLN MTX E-XLN MTX LT YLW FLO PR TO TR FAIR INTER XLN POR NO ODOR NO STAIN NO CUT NO VIS SHOW

DOL OFF WHT TO WHT VRY SM SUB-ANG DOL XLS TR IMBD PYR IP TO LT WHT CHERT WITH PHANTOM FOSS IP NO FLO NO VIS POR NO VIS SHOW

DOL CRRM TO OFF WHT TO WHT FRM BRITT VFN TO FN XLN MTX SUB-CHLKY IP IMBD SUB-RND CLR DOL GRNS NO FLO NO VIS POR NO CUT NO VIS SHOW

DOL CRM OFF WT TO WHT HD DN TT CRYPTO TO VVFN XLN MTX NO FLO NO VIS POR NO VIS SHOW

RTD 3590' 7:45 PM 03/16/11

LOGS

