



KANSAS CORPORATION COMMISSION 1077156
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

Confidentiality Requested:

Yes No

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1077156

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	SCHMEIDLER ET AL 1-15
Doc ID	1077156

All Electric Logs Run

DIL
MICRO
POR
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

March 23, 2012

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

Re: ACO1
API 15-051-26216-00-00
SCHMEIDLER ET AL 1-15
SE/4 Sec.15-12S-17W
Ellis County, Kansas

Dear Production Department:

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

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

Respectfully,
CLAYTON CAMOZZI



QUALITY OILWELL CEMENTING, INC.

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

Date: 12/5/2011
 Invoice # 86

P.O.#:
 Due Date: 1/4/2012
 Division: Russell

Invoice

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

DRLG COMP W/O LOE GG

Account	8200-138
Well/Prospect	SCHMEIDLER 1-15
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 SCHMEIDLER ET AL 1-15

Description of Work:
 SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	160	\$ 2,119.31	Yes				
Bulk Truck Matl-Material Service Charge	168	\$ 364.80	No				
Calcium Chloride	5	\$ 204.44	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 173.37	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$ 101.45	No				
Premium Gel (Bentonite)	3	\$ 53.03	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,007.78
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (601.17)

SubTotal for Taxable Items:	\$ 2,020.26
SubTotal for Non-Taxable Items:	\$ 1,386.35
Total:	\$ 3,406.62
Tax:	\$ 127.28

6.30% Ellis County Sales Tax

Amount Due: \$ 3,533.89
Applied Payments:
Balance Due: \$ 3,533.89

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. 086

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-3-11	15	12	17	Ellis	KS		6:15pm
Lease <u>Schmeidler ETAL</u>			Well No. <u>1-15</u>	Location <u>Carolee Burke Rd 18w Ninto</u>			
Contractor <u>Discovery #4</u>				Owner			
Type Job <u>Surface</u>				To Quality Oilwell Cementing, Inc.			
Hole Size <u>12 1/4</u>				T.D. <u>266</u>			
Csg. <u>8 5/8</u>				Depth <u>265</u>			
Tbg. Size				Depth			
Tool				Depth			
Cement Left in Csg. <u>15</u>				Shoe Joint			
Meas Line				Displace <u>16 B C</u>			
				Cement Amount Ordered <u>160 cum 3/4 gal 2 1/2 gal</u>			
EQUIPMENT							
Pumptrk	9	No.	Cement Helper <u>Chris</u>	Common <u>160</u>			
Bulktrk		No.	Driver <u>Matt</u>	Poz. Mix			
Bulktrk	8	No.	Driver <u>David</u>	Gel. <u>3</u>			
				Calcium <u>5</u>			
JOB SERVICES & REMARKS							
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<u>8 5/8 on bottom. Est. Circulation</u>				Sand			
<u>Mix 150 cc & Displace</u>				Handling <u>168</u>			
<u>Cement Circulated</u>				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>16</u>			
				Tax			
				Discount			
				Total Charge			
Signature <u>Michael D. [Signature]</u>							



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: 12/14/2011
 Invoice # 197

P.O.#:
 Due Date: 1/13/2012
 Division: Russell

Invoice

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

Reference:
 SCHMEIDLER ET AL 1-15

Description of Work:
 PROD LONG STRING

DRLG COMP W/O LOE GG

Account	
Well/Prospect	
Deck	
APB	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No	Auto Fill Float Shoe, 5 1/2"	1	\$332.23	Yes
Common-Class A	225	\$ 2,980.29	Yes	Salt (Fine)	19	\$287.97	Yes
Cement Port Collar, 5 1/2"	1	\$ 2,714.29	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$243.20	Yes
Gilsonite	1057	\$ 1,721.40	Yes	Pump Truck Mileage-Job to Nearest Camp	16	\$173.37	No
CFL 117	176	\$ 1,177.09	Yes	Flo Seal	56	\$121.60	Yes
5 1/2" Turbolizer	9	\$ 566.74	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$101.45	No
Bulk Truck Matl-Material Service Charge	255	\$ 553.71	No	KCL	2	\$64.84	Yes
CD-110	117	\$ 508.11	Yes				
5 1/2" Basket	2	\$ 499.43	Yes				
Mud Clear	500	\$ 401.71	Yes				
Defoamer A or CAF-38	50	\$ 380.00	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$	13,818.82
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(2,072.82)
<hr/>			
	SubTotal for Taxable Items:	\$	10,199.07
	SubTotal for Non-Taxable Items:	\$	1,546.93
<hr/>			
	Total:	\$	11,746.00
	Tax:	\$	642.54
<hr/>			
	Amount Due:	\$	12,388.54
	Applied Payments:		
	Balance Due:	\$	12,388.54

6.30% Ellis County Sales Tax

Thank You For Your Business!

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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. 197

Date	12-11-11	Sec.	15	Twp.	12	Range	17	County	Ellis	State	Ks	On Location		Finish	3:30 PM
Lease	Schmeidler ETAL			Well No.	1-15			Location	Codell Rd + Buckeye Rd, 1/8 W, N/1 Into						
Contractor	Discovery #4							Owner	To Quality Oilwell Cementing, Inc.						
Type Job	Production							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.	3750'			Charge To	Sam Gary Sr. + Associates							
Csg.	5 1/2" New 15.5"		Depth	3741.91'			Street								
Tbg. Size			Depth				City	State							
Tool	Port Collar		Depth	1360'			The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.	42.16'		Shoe Joint	42.16'			Cement Amount Ordered	225 sx Q-Pro C 10% Salt + 5%							
Meas Line			Displace	88 BLS			Gilsonite - 500 gal Mud Clear 48, 20 BLS								

EQUIPMENT

Pumptrk	1	No.	Cement	Cisco	Common	3% CD-110 + 25% CAF 38 + 8% CFL-117
Bulktrk	14	No.	Driver	Brian	Poz. Mix	
Bulktrk	p.u.	No.	Driver	Rick	Gel.	

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	30 SX
Mouse Hole	15 SX
Centralizers	2, 4, 6, 8, 10, 12, 14, 16, 159
Baskets	59, 58
D/V of	Port Collar 58 ft Jt 1360'
pipe on bottom, break	Circulation
pump	500 gal Mud Clear 48
plug	Rathole w/ 30 SX, plug mousehole w/ 15 SX
Cement	5 1/2" Casing with 180 SX
Q Pro-C	10% Salt + 5% Gilsonite.
shut down,	wash pump + lines
Released plug	+ Displaced with 88 BLS of water. Released + held
Lift pressure	800 #
Land plug to	1400 #
	Port Collar
	Rotating head
	Pumptrk Charge
	Mileage 16

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	1 Reg, 8 turbo's
Baskets	2
AFU Inserts	
Float Shoe	1
Latch Down	1
	Port Collar
	Rotating head
	Pumptrk Charge
	Mileage 16

X Signature Ruby Perry

Tax	
Discount	
Total Charge	



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

Date: 12/10/2011
 Invoice # 132

P.O.#:
 Due Date: 1/9/2012
 Division: Russell

Invoice

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

Reference:
 SCHMEIDLER 1-15

Description of Work:
 LOST CIR PLUG

DRLG COMP W/O LOE GG

Account	
Well/Prospect	
Deck	
AFE	
Approval	<i>1/25/12</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No				
Common-Class A	150	\$ 1,931.67	Yes				
Bulk Truck Matl-Material Service Charge	212	\$ 447.56	No				
Calcium Chloride	7	\$ 278.27	Yes				
Flo Seal	100	\$ 211.11	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 168.55	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$ 98.63	No				

Invoice Terms:

Net 30

	SubTotal:	\$	4,099.63
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(614.94)
<hr/>			
	SubTotal for Taxable Items:	\$	2,057.89
	SubTotal for Non-Taxable Items:	\$	1,426.80
<hr/>			
	Total:	\$	3,484.69
	Tax:	\$	129.65
	Amount Due:	\$	3,614.33
	Applied Payments:		
	Balance Due:	\$	3,614.33

6.30% Ellis County Sales Tax

Thank You For Your Business!

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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. 132

Date	12-3-11	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Schmeidler	Well No.	1-15	Location		Ellis	Ramsas	Codell Rd & Beckage Rd
Contractor	Discovery Drilling Rig 4			Owner		To Quality Oilwell Cementing, Inc.		
Type Job	Plug Back			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Hole Size	12 1/4	T.D.	40	Charge To		Sam Gary Jr. & Assoc.		
Csg.		Depth		Street				
Tbg. Size		Depth		City		State		
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered				
Meas Line		Displace		200 Common 48.10				
EQUIPMENT				1/16 Flo Seal persk 400lb Hulls on side				
Pumptrk	5	No.	Cementer	Common Used 150				
			Helper	Stave				
Bulktrk	10	No.	Driver	Cory				
			Driver	Dino				
Bulktrk		No.	Driver	Dino				
JOB SERVICES & REMARKS				Calcium 7				
Remarks:				Hulls				
Rat Hole				Salt				
Mouse Hole				Flowseal 100#				
Centralizers				Kol-Seal				
Baskets				Mud CLR 48				
D/V or Port Collar				CFL-117 or CD110 CAF 38				
				Sand				
Mix 150 ex down 2' line info				Handling 212				
6 1/4 hole				Mileage				
				FLOAT EQUIPMENT				
				Guide Shoe				
				Centralizer				
				Baskets				
				AFU Inserts				
				Float Shoe				
				Latch Down				
				Pumptrk Charge				
				Mileage 16				
				Tax				
				Discount				
				Total Charge				
Signature				Michael Douchle				



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Ass. Inc.**

1515 Wynkoop st. Suite 700
Denver CO, 80202

ATTN: Clayton Camozzi

Schmeidler et 1-15

15-12s-17w Ellis

Start Date: 2011.12.08 @ 01:51:00

End Date: 2011.12.08 @ 10:27:19

Job Ticket #: 46328 DST #: 1

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

Printed: 2011.12.09 @ 10:30:24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

ATTN: Clayton Camozzi

Job Ticket: 46328

DST#: 1

Test Start: 2011.12.08 @ 01:51:00

GENERAL INFORMATION:

Formation: **Lansing "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:00

Time Test Ended: 10:27:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 38

Interval: 3394.00 ft (KB) To 3417.00 ft (KB) (TVD)

Reference Elevations: 2135.00 ft (KB)

Total Depth: 3417.00 ft (KB) (TVD)

2127.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8017 Inside

Press @ Run Depth: 84.94 psig @ 3414.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.08

End Date:

2011.12.08

Last Calib.:

2011.12.08

Start Time: 01:51:05

End Time:

10:27:20

Time On Btm:

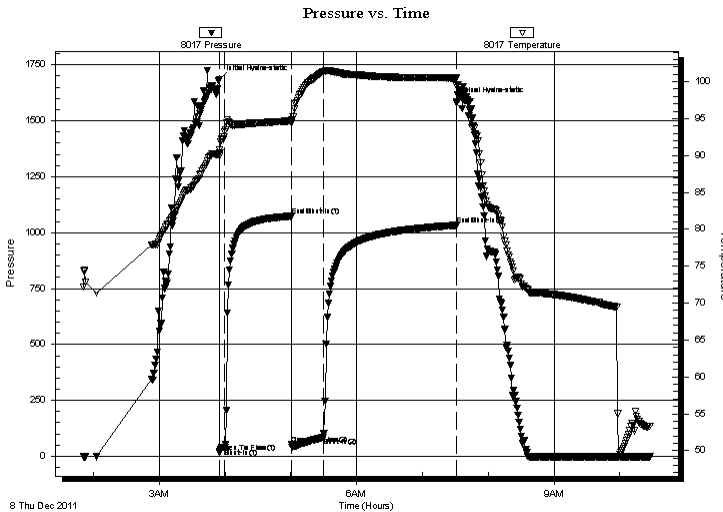
2011.12.08 @ 03:54:50

Time Off Btm:

2011.12.08 @ 07:31:20

TEST COMMENT: 05 - IF- 6" blow
60 - IS- Weak surface blow, died in 11 Min.
30 - FF- B.O.B. in 6 Min.
120 - FS- 1 1/2" blow in 25 Min, died back to 1"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.39	90.72	Initial Hydro-static
1	18.95	89.89	Open To Flow (1)
5	37.68	93.26	Shut-In(1)
66	1073.42	94.69	End Shut-In(1)
66	52.87	94.38	Open To Flow (2)
95	84.94	101.38	Shut-In(2)
216	1033.00	100.50	End Shut-In(2)
217	1585.63	99.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	SOCWM, 10%O, 40%W, 50%M	1.11
31.00	GO, 10%G, 90%O	0.32
0.00	279' of G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

ATTN: Clayton Camozzi

Job Ticket: 46328

DST#: 1

Test Start: 2011.12.08 @ 01:51:00

GENERAL INFORMATION:

Formation: **Lansing "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:00

Time Test Ended: 10:27:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 38

Interval: 3394.00 ft (KB) To 3417.00 ft (KB) (TVD)

Reference Elevations: 2135.00 ft (KB)

Total Depth: 3417.00 ft (KB) (TVD)

2127.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8647 Fluid

Press @ Run Depth: psig @ 3359.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.08

End Date:

2011.12.08

Last Calib.:

2011.12.08

Start Time: 01:51:05

End Time:

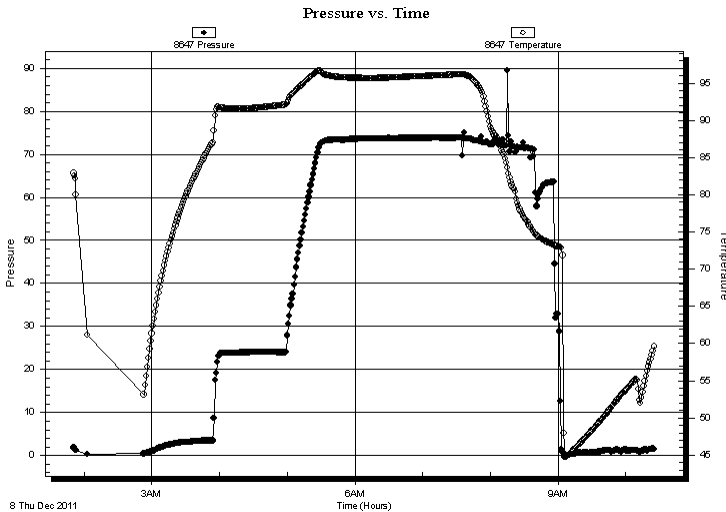
10:25:09

Time On Btm:

Time Off Btm:

TEST COMMENT: 05 - IF- 6" blow
60 - IS- Weak surface blow , died in 11 Min.
30 - FF- B.O.B. in 6 Min.
120 - FS- 1 1/2" blow in 25 Min, died back to 1"

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	SOCWM, 10%O, 40%W, 50%M	1.11
31.00	GO, 10%G, 90%O	0.32
0.00	279' of G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

Job Ticket: 46328

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.12.08 @ 01:51:00

Tool Information

Drill Pipe:	Length: 3351.00 ft	Diameter: 3.25 inches	Volume: 34.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 34.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3394.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8647	Fluid	3359.00	
Change Over Sub	7.00			3366.00	
Shut In Tool	5.00			3371.00	
Hydraulic tool	5.00			3376.00	
Jars	5.00			3381.00	
Safety Joint	3.00			3384.00	
Packer	5.00			3389.00	35.00 Bottom Of Top Packer
Packer	5.00			3394.00	
Stubb	1.00			3395.00	
Perforations	19.00			3414.00	
Recorder	0.00	8017	Inside	3414.00	
Recorder	0.00	8352	Outside	3414.00	
Bullnose	3.00			3417.00	23.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

Job Ticket: 46328

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.12.08 @ 01:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	SOCWM, 10%O, 40%W, 50%M	1.107
31.00	GO, 10%G, 90%O	0.318
0.00	279' of G.I.P.	0.000

Total Length: 155.00 ft Total Volume: 1.425 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

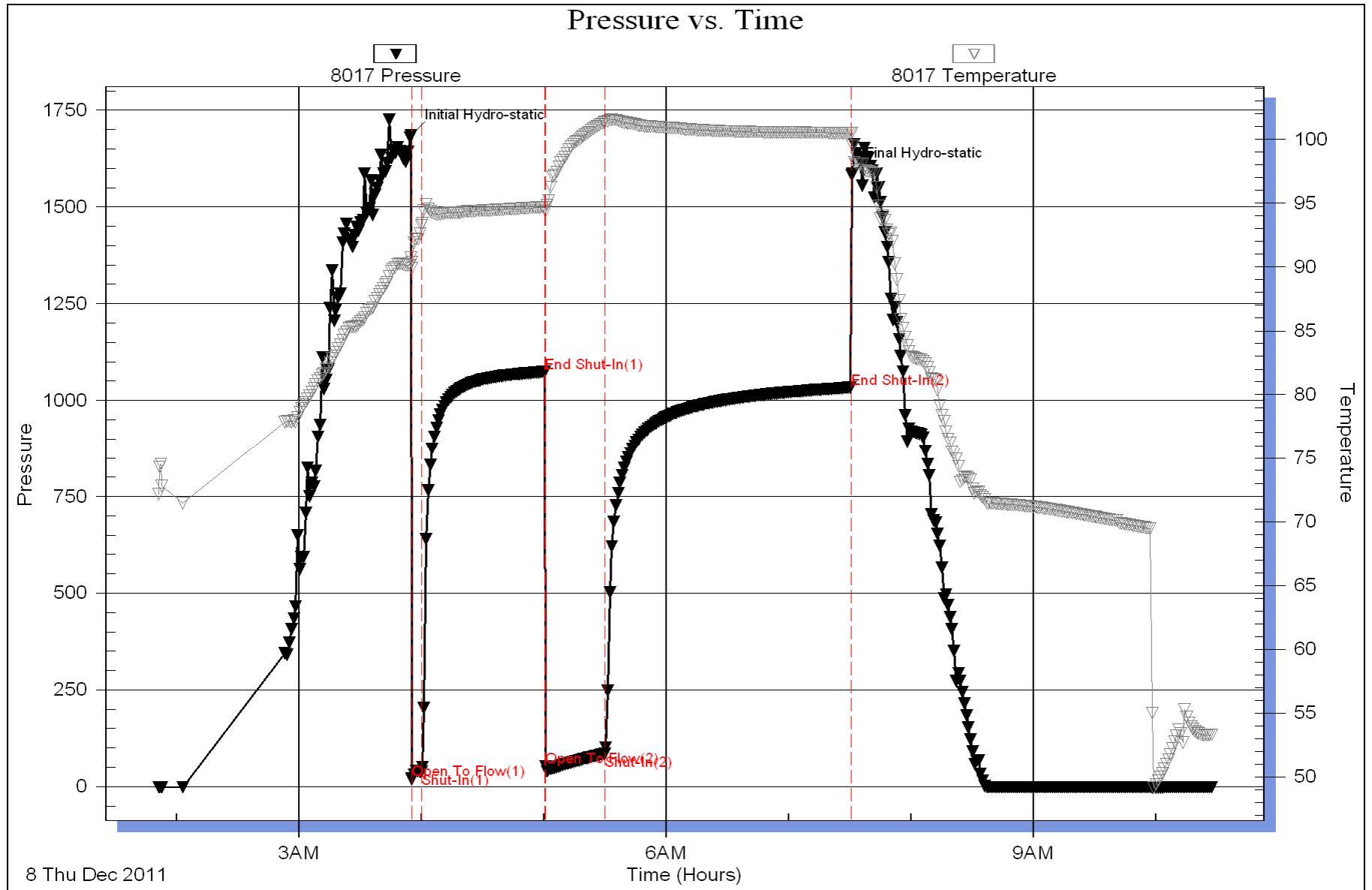
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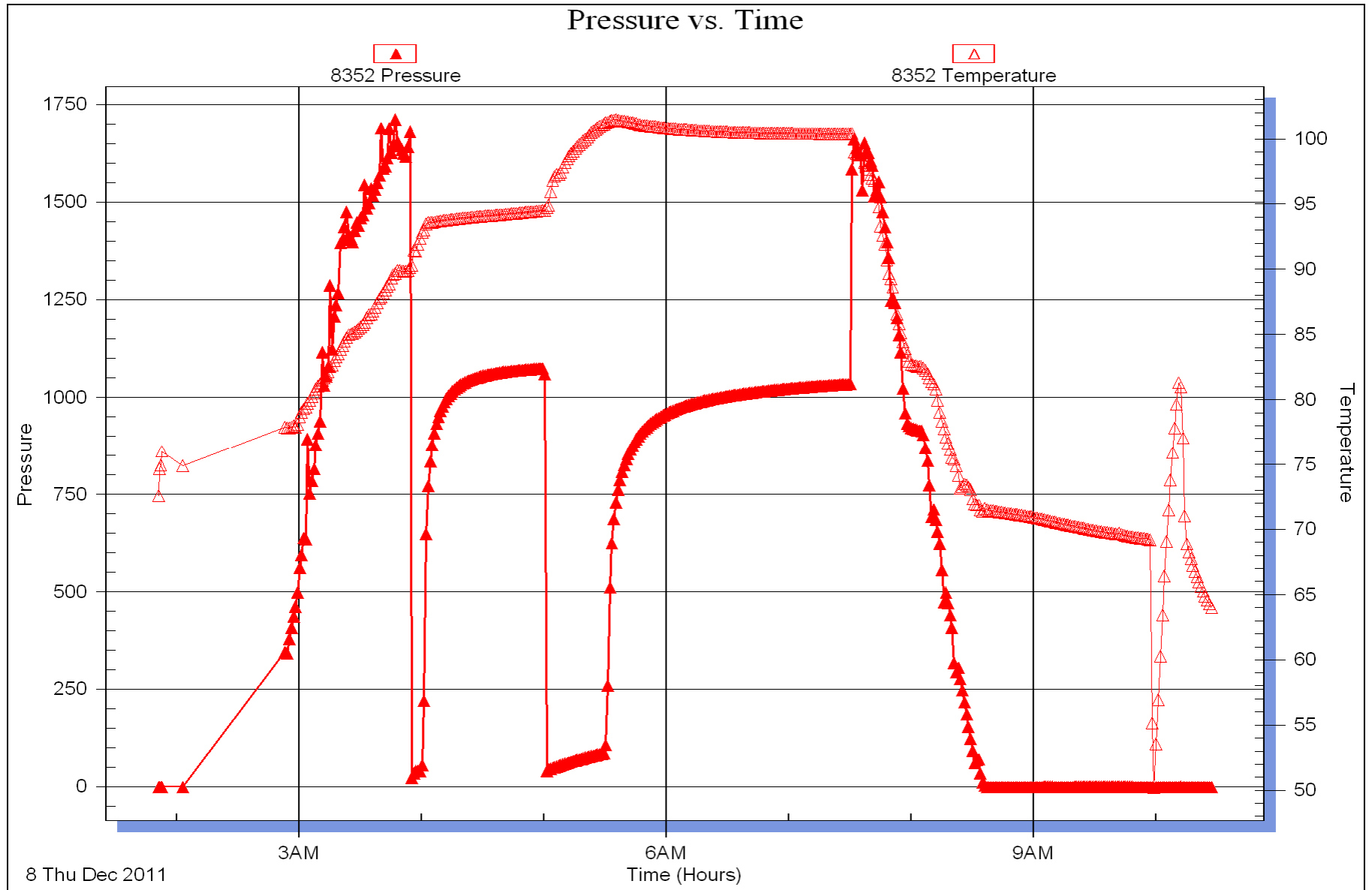
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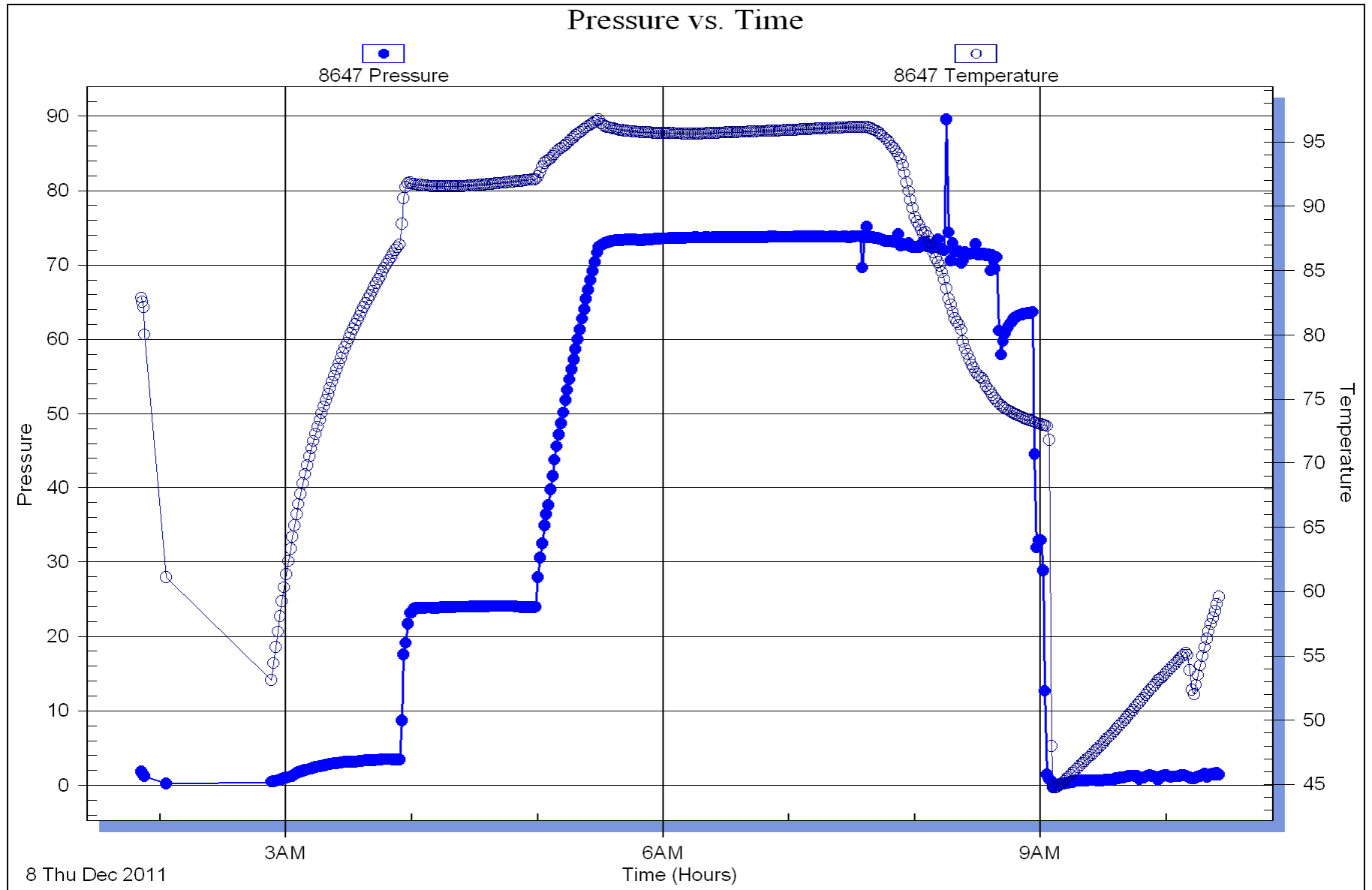
Laboratory Location:

Recovery Comments: Gravity: 33 @ 40 Degrees = 35

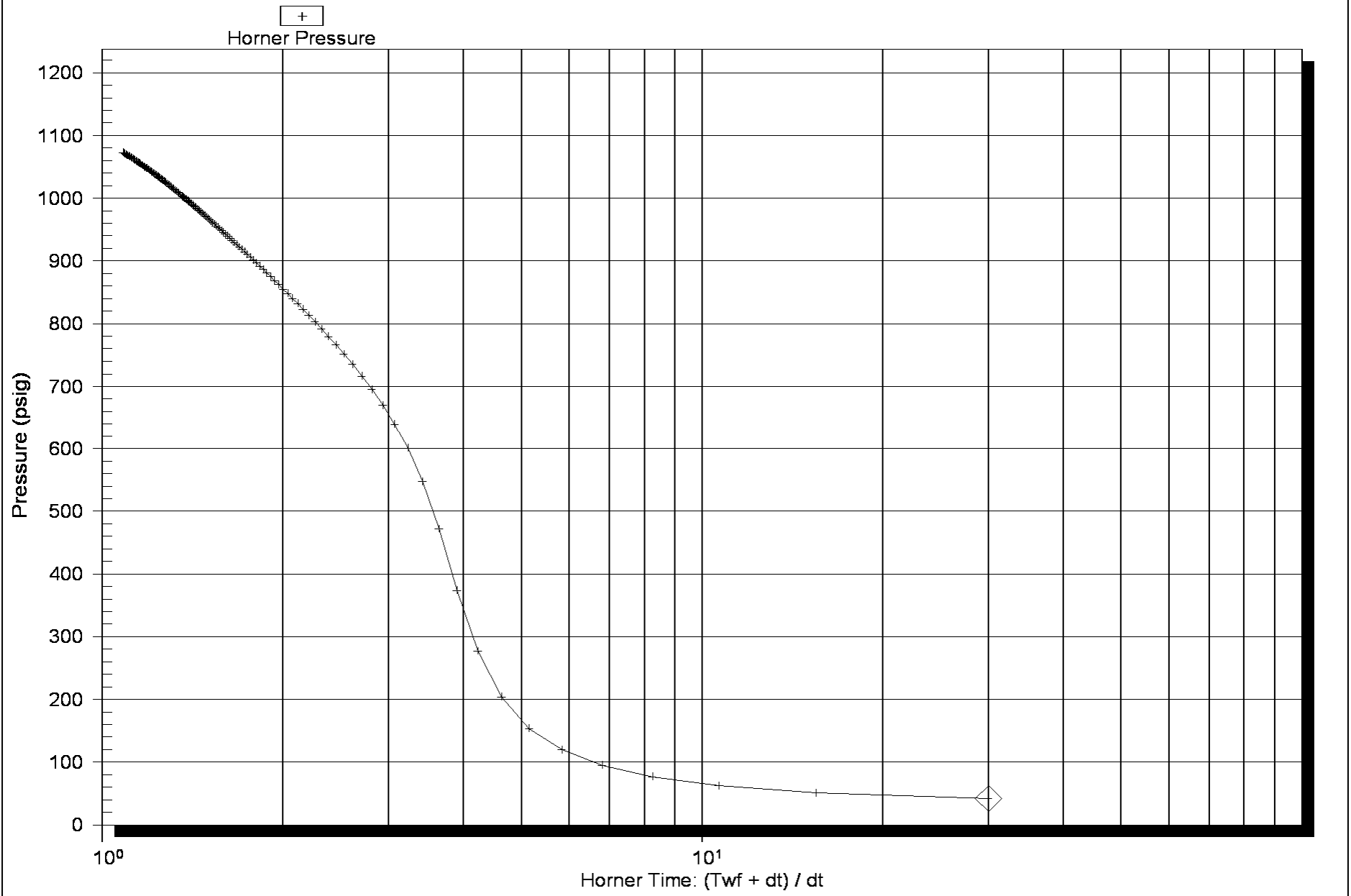
Salinity: .61 @ 33 Degrees = 25000



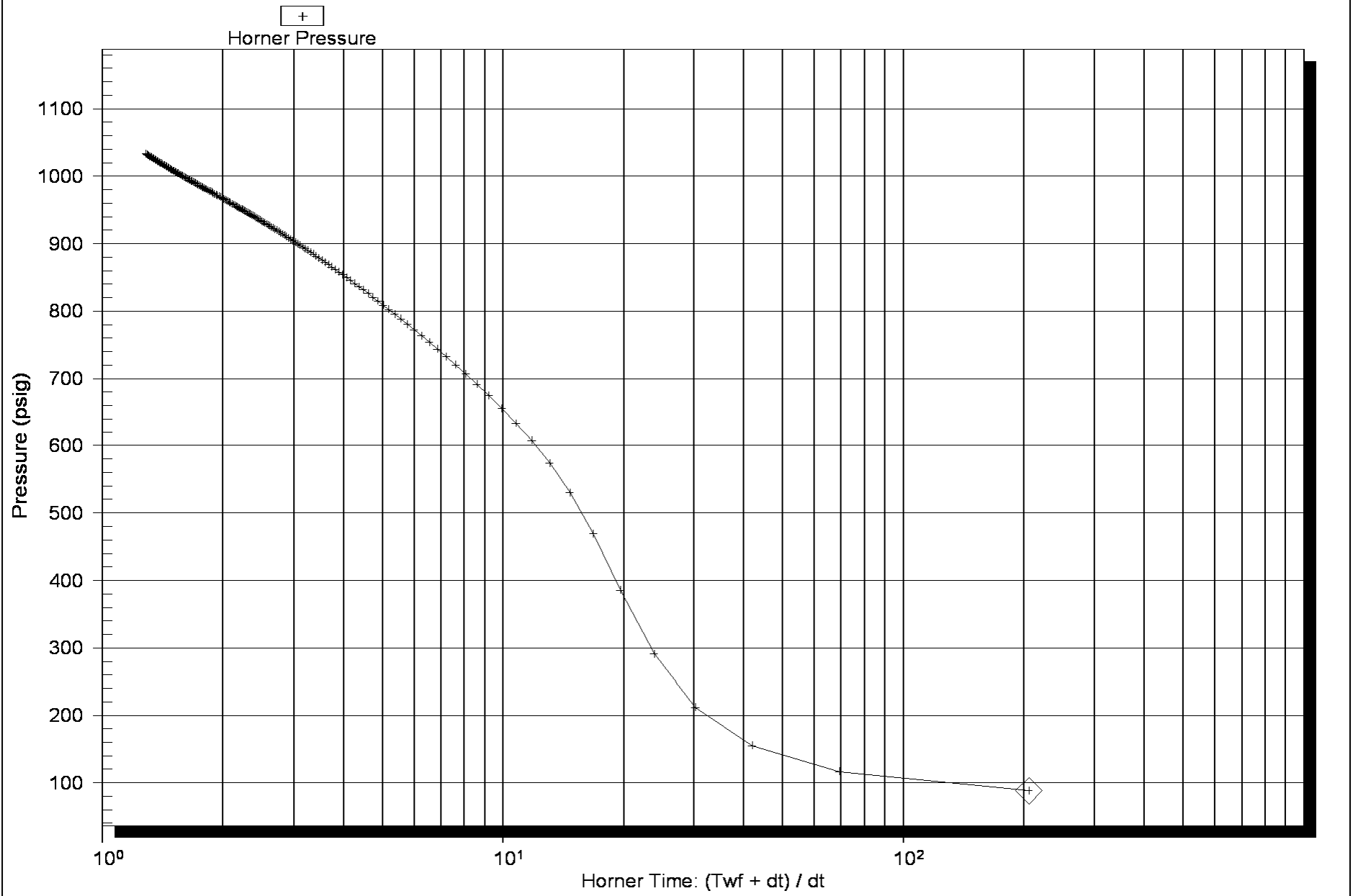


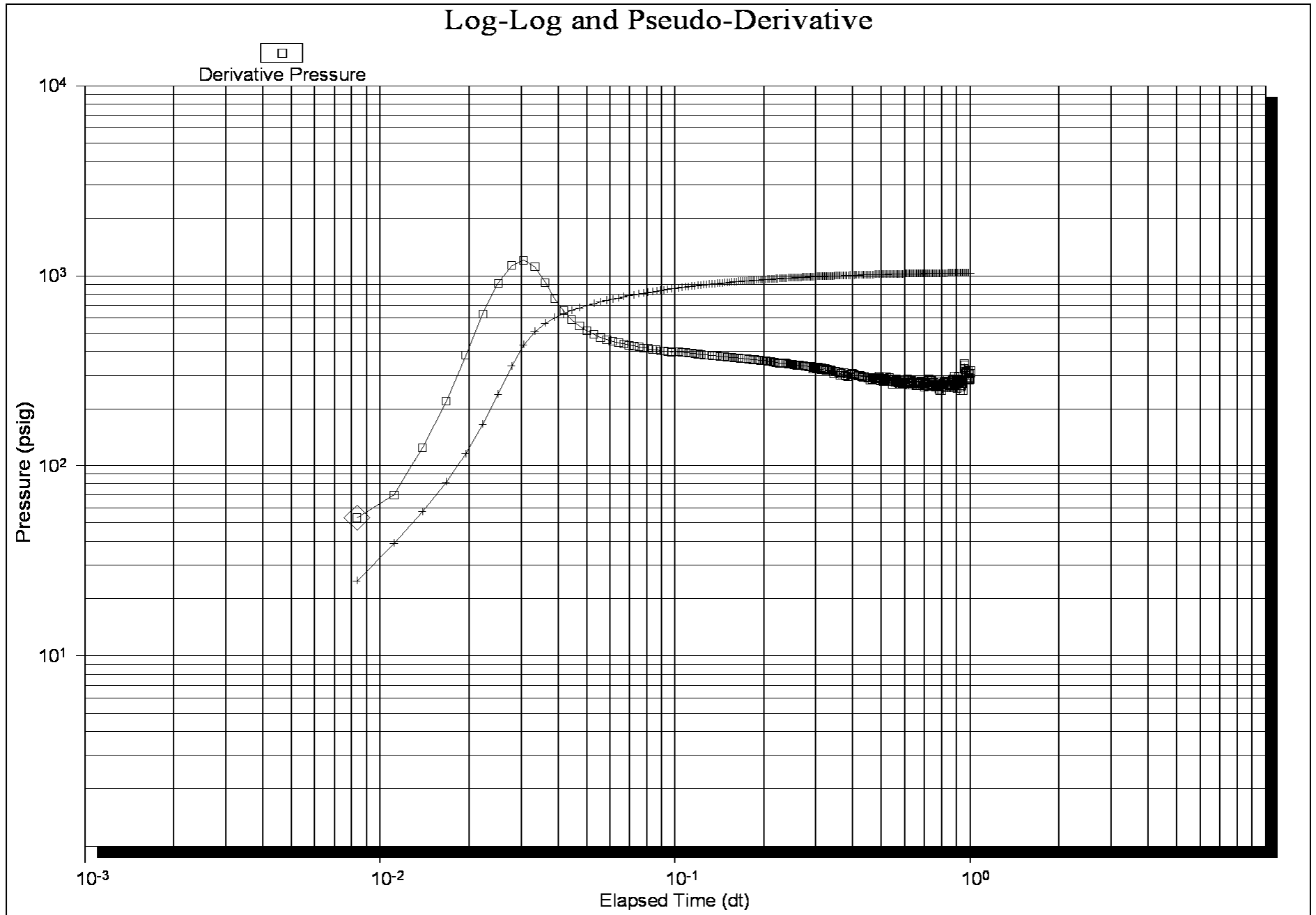


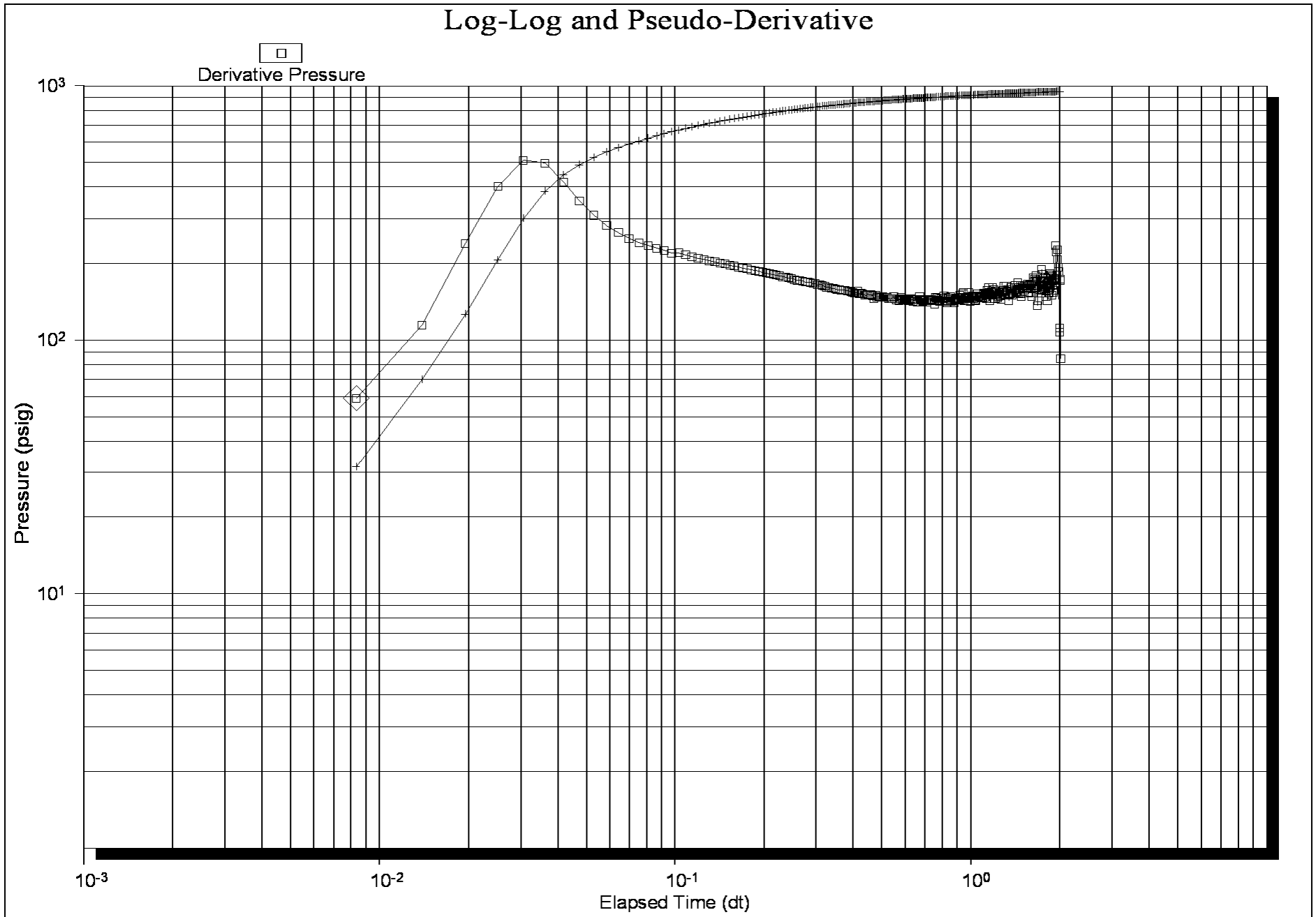
Horner Plot



Horner Plot









DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Ass. Inc.**

1515 Wynkoop st. Suite 700
Denver CO, 80202

ATTN: Clayton Camozzi

Schmeidler et 1-15

15-12s-17w Ellis

Start Date: 2011.12.08 @ 22:15:00

End Date: 2011.12.09 @ 06:53:30

Job Ticket #: 46329 DST #: 2

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

Printed: 2011.12.09 @ 10:28:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

ATTN: Clayton Camozzi

Job Ticket: 46329

DST#: 2

Test Start: 2011.12.08 @ 22:15:00

GENERAL INFORMATION:

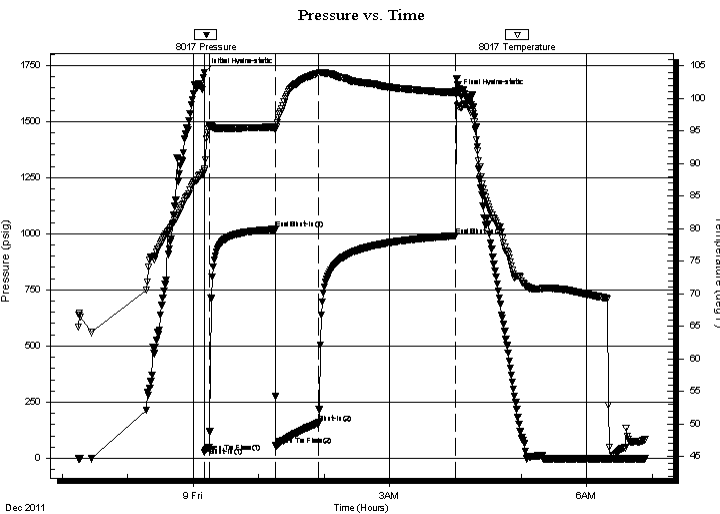
Formation: **"G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:10:30
 Time Test Ended: 06:53:30
 Interval: **3434.00 ft (KB) To 3468.00 ft (KB) (TVD)**
 Total Depth: 3475.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Cody Bloedorn
 Unit No: 39
 Reference Elevations: 2135.00 ft (KB)
 2127.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8017

Inside

Press @ Run Depth: 157.82 psig @ 3435.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.12.08 End Date: 2011.12.09 Last Calib.: 2011.12.09
 Start Time: 22:15:05 End Time: 06:53:30 Time On Btm: 2011.12.09 @ 00:10:10
 Time Off Btm: 2011.12.09 @ 04:00:30

TEST COMMENT: 05 - IF- 8" blow
 60 - IS- No blow back
 40 - FF- B.O.B. in 8 Min.
 120 - FS- 1" blow in 27 Min. Died back to 1/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.19	89.14	Initial Hydro-static
1	26.75	88.85	Open To Flow (1)
5	48.71	95.70	Shut-In(1)
65	1019.84	95.63	End Shut-In(1)
66	59.76	95.35	Open To Flow (2)
105	157.82	103.87	Shut-In(2)
230	990.94	100.92	End Shut-In(2)
231	1621.83	101.18	Final Hydro-static

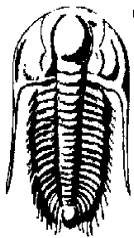
Recovery

Length (ft)	Description	Volume (bbl)
186.00	GVSOCMW, 5%G, 5%O, 20%M, 70%W	1.74
62.00	GVSOCWM, 5%G, 5%O, 20%W, 70%M	0.64
31.00	GO, 10%G, 90%O	0.32
0.00	186' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

ATTN: Clayton Camozzi

Job Ticket: 46329

DST#: 2

Test Start: 2011.12.08 @ 22:15:00

GENERAL INFORMATION:

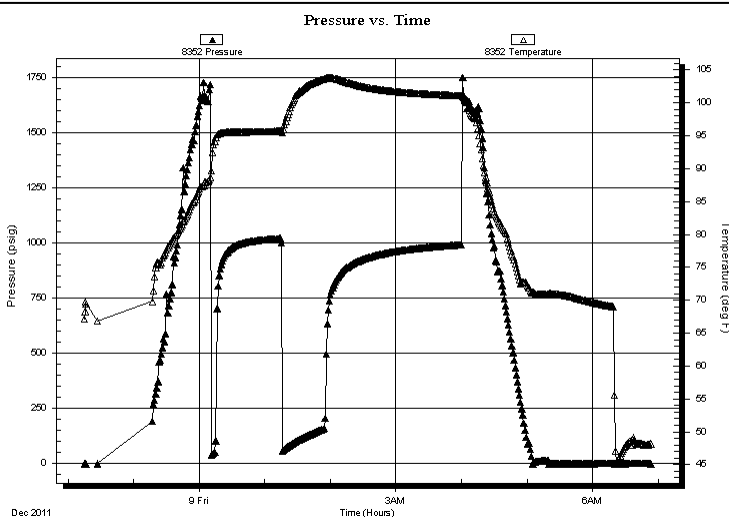
Formation:	"G"				
Deviated:	No	Whipstock:	ft (KB)	Test Type:	Conventional Straddle (Reset)
Time Tool Opened:	00:10:30			Tester:	Cody Bloedorn
Time Test Ended:	06:53:30			Unit No:	39
Interval:	3434.00 ft (KB) To	3468.00 ft (KB) (TVD)		Reference Elevations:	2135.00 ft (KB)
Total Depth:	3475.00 ft (KB) (TVD)				2127.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair	KB to GR/CF:	8.00 ft

Serial #: 8352

Outside

Press @ RunDepth:	psig @	3435.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2011.12.08	End Date:	2011.12.09	Last Calib.:	2011.12.09
Start Time:	22:15:05	End Time:	06:53:30	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 05 - IF- 8" blow
60 - IS- No blow back
40 - FF- B.O.B. in 8 Min.
120 - FS- 1" blow in 27 Min. Died back to 1/4"



PRESSURE SUMMARY

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

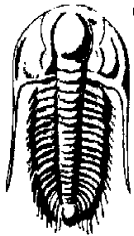
Recovery

Length (ft)	Description	Volume (bbl)
186.00	GV SOC MW, 5%G, 5%O, 20%M, 70%W	1.74
62.00	GV SOC WM, 5%G, 5%O, 20%W, 70%M	0.64
31.00	GO, 10%G, 90%O	0.32
0.00	186' of G.I.P.	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

ATTN: Clayton Camozzi

Job Ticket: 46329

DST#: 2

Test Start: 2011.12.08 @ 22:15:00

GENERAL INFORMATION:

Formation: **"G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:10:30

Time Test Ended: 06:53:30

Interval: 3434.00 ft (KB) To 3468.00 ft (KB) (TVD)

Total Depth: 3475.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 39

Reference Elevations: 2135.00 ft (KB)

2127.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8647

Fluid

Press @ RunDepth: psig @ 3396.00 ft (KB)

Start Date: 2011.12.08

End Date:

2011.12.09

Start Time: 22:15:05

End Time:

06:51:30

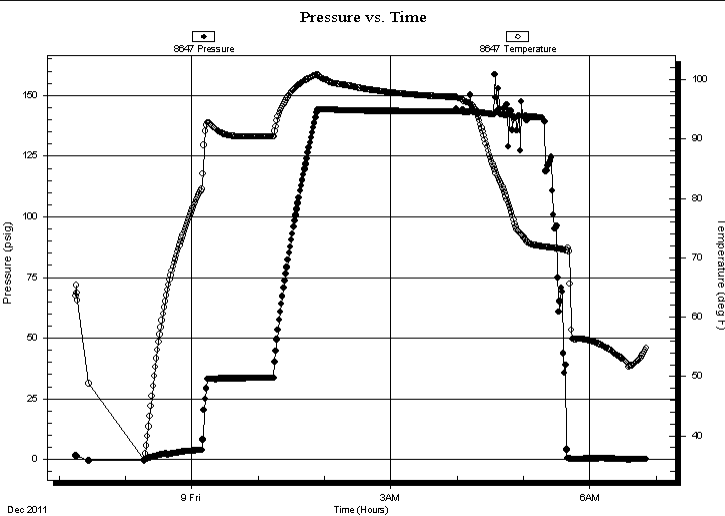
Capacity: 8000.00 psig

Last Calib.: 2011.12.09

Time On Btm:

Time Off Btm:

TEST COMMENT: 05 - IF- 8" blow
60 - IS- No blow back
40 - FF- B.O.B. in 8 Min.
120 - FS- 1" blow in 27 Min. Died back to 1/4"



PRESSURE SUMMARY

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

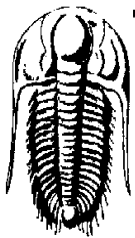
Recovery

Length (ft)	Description	Volume (bbl)
186.00	GVSOCMW, 5%G, 5%O, 20%M, 70%W	1.74
62.00	GVSOCWM, 5%G, 5%O, 20%W, 70%M	0.64
31.00	GO, 10%G, 90%O	0.32
0.00	186' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

Job Ticket: 46329 **DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2011.12.08 @ 22:15:00

GENERAL INFORMATION:

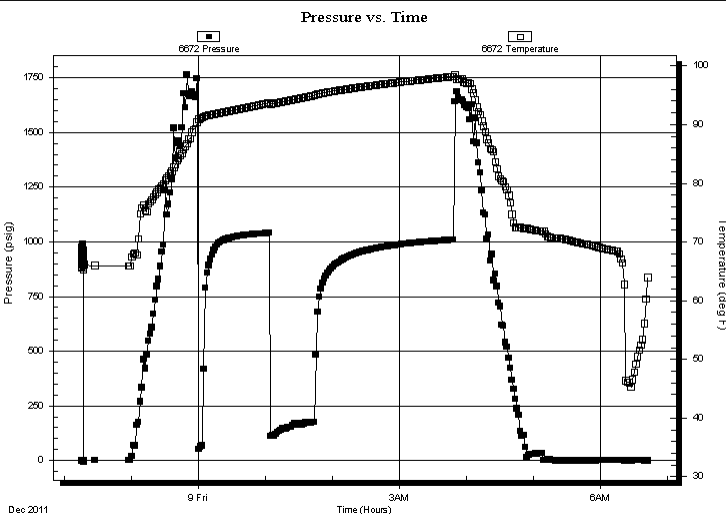
Formation: "G"
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 00:10:30
 Tester: Cody Bloedorn
 Time Test Ended: 06:53:30
 Unit No: 39
 Interval: **3434.00 ft (KB) To 3468.00 ft (KB) (TVD)**
 Reference Elevations: 2135.00 ft (KB)
 Total Depth: 3475.00 ft (KB) (TVD)
 2127.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6672

Below (Straddle)

Press @ Run Depth: psig @ 3465.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.12.08 End Date: 2011.12.09 Last Calib.: 2011.12.09
 Start Time: 22:15:01 End Time: 06:42:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 05 - IF- 8" blow
 60 - IS- No blow back
 40 - FF- B.O.B. in 8 Min.
 120 - FS- 1" blow in 27 Min. Died back to 1/4"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
186.00	GVSOCMW, 5%G, 5%O, 20%M, 70%W	1.74
62.00	GVSOCWM, 5%G, 5%O, 20%W, 70%M	0.64
31.00	GO, 10%G, 90%O	0.32
0.00	186' of G.I.P.	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

Job Ticket: 46329

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.12.08 @ 22:15:00

Tool Information

Drill Pipe:	Length: 3384.00 ft	Diameter: 3.25 inches	Volume: 34.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 34.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3434.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3468.00 ft			
Interval between Packers:	34.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

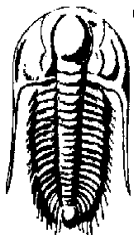
Tool Comments: Straddle Packer did NOT hold.

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8647	Fluid	3396.00	
Change Over Sub	7.00			3403.00	
Shut In Tool	5.00			3408.00	
Sampler	3.00			3411.00	
Hydraulic tool	5.00			3416.00	
Jars	5.00			3421.00	
Safety Joint	3.00			3424.00	
Packer	5.00			3429.00	38.00 Bottom Of Top Packer
Packer	5.00			3434.00	
Stubb	1.00			3435.00	
Recorder	0.00	8017	Inside	3435.00	
Recorder	0.00	8352	Outside	3435.00	
Perforations	20.00			3455.00	
Blank Off Sub	1.00			3456.00	
Packer - Shale	5.00			3461.00	
Perforations	4.00			3465.00	
Recorder	0.00	6672	Below	3465.00	
Bullnose	3.00			3468.00	34.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

Job Ticket: 46329

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2011.12.08 @ 22:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

55000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	GVSOCMMW, 5%G, 5%O, 20%M, 70%W	1.743
62.00	GVSOCWM, 5%G, 5%O, 20%W, 70%M	0.636
31.00	GO, 10%G, 90%O	0.318
0.00	186' of G.I.P.	0.000

Total Length: 279.00 ft Total Volume: 2.697 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

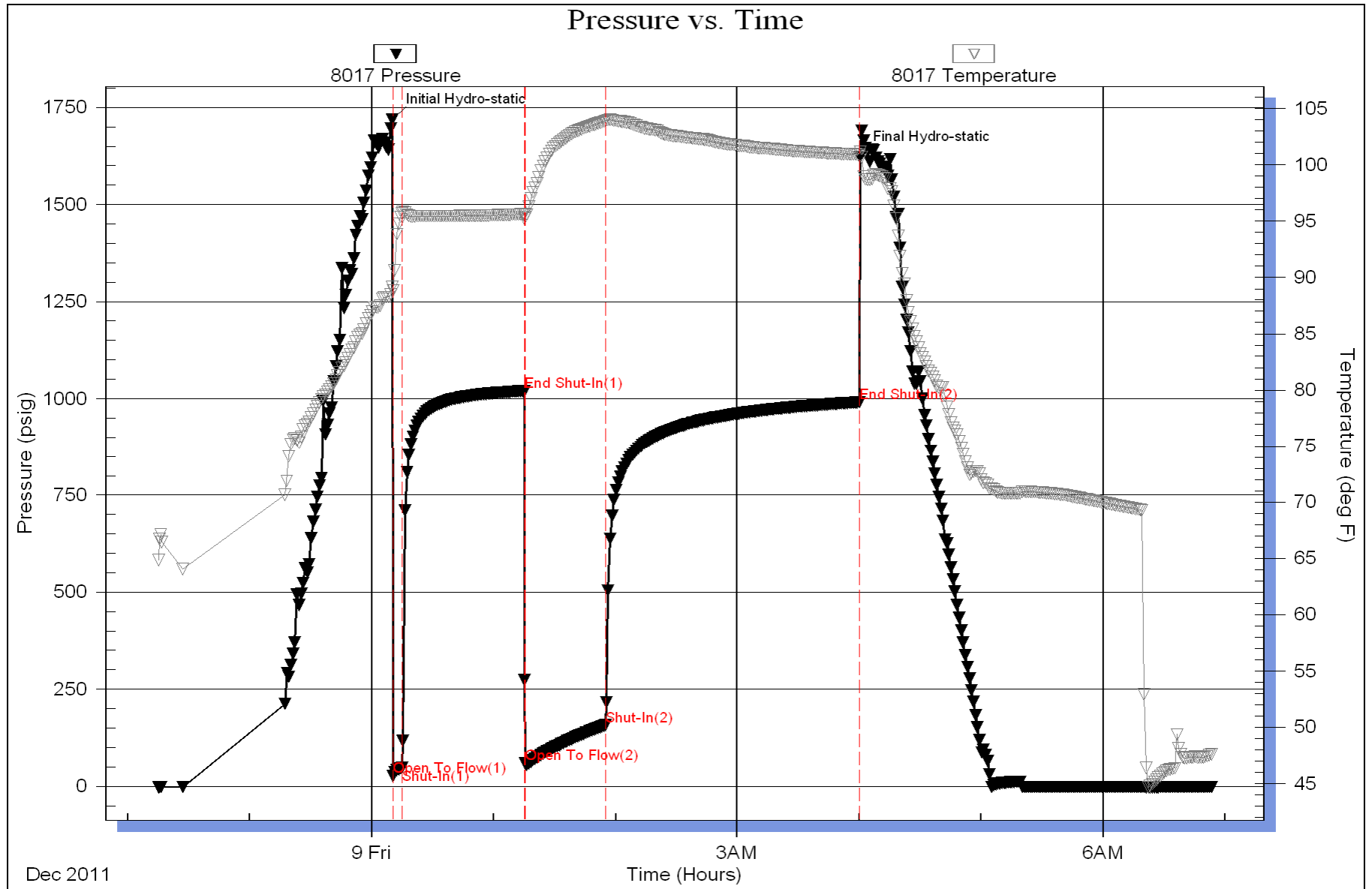
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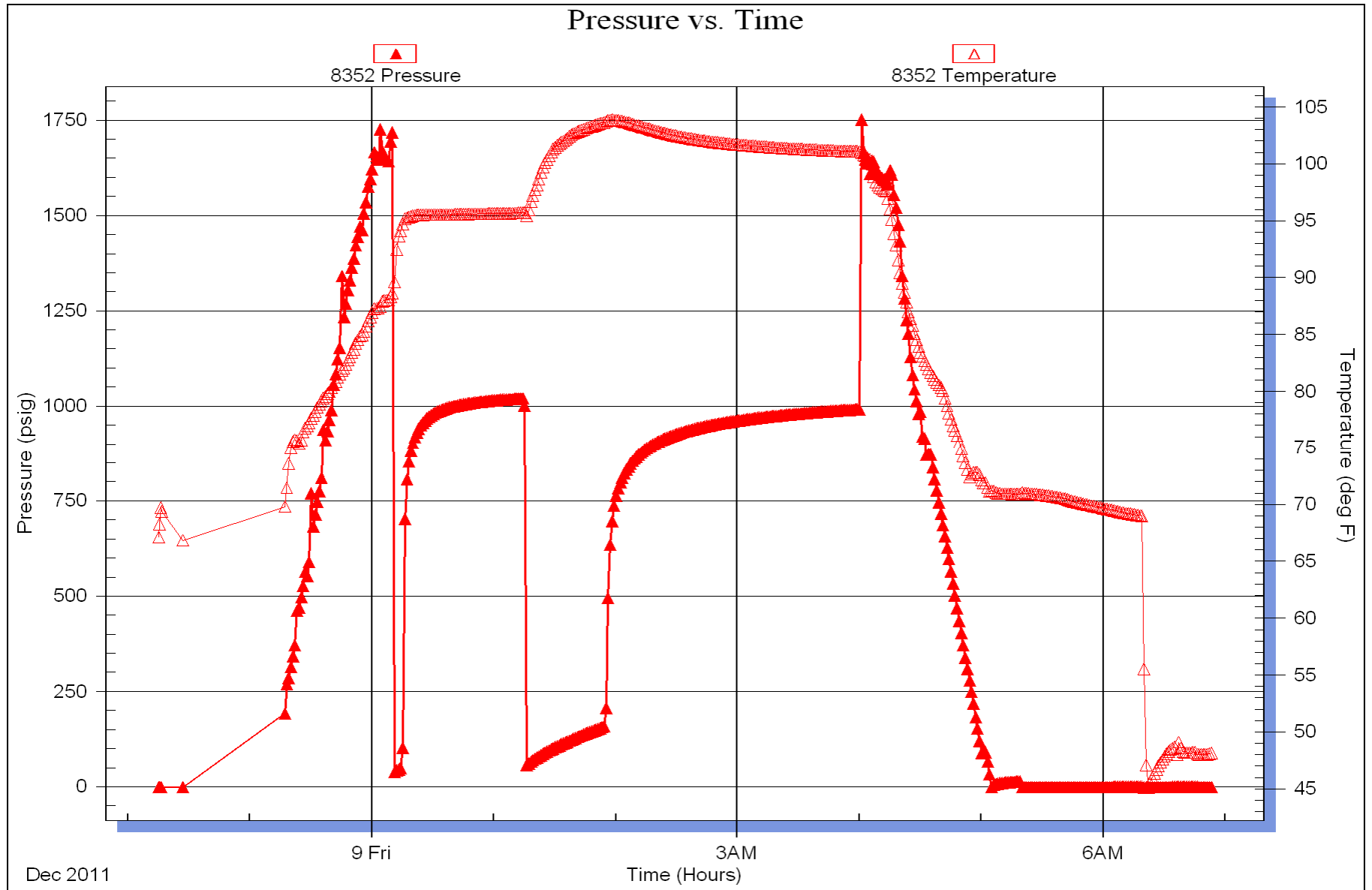
Laboratory Name:

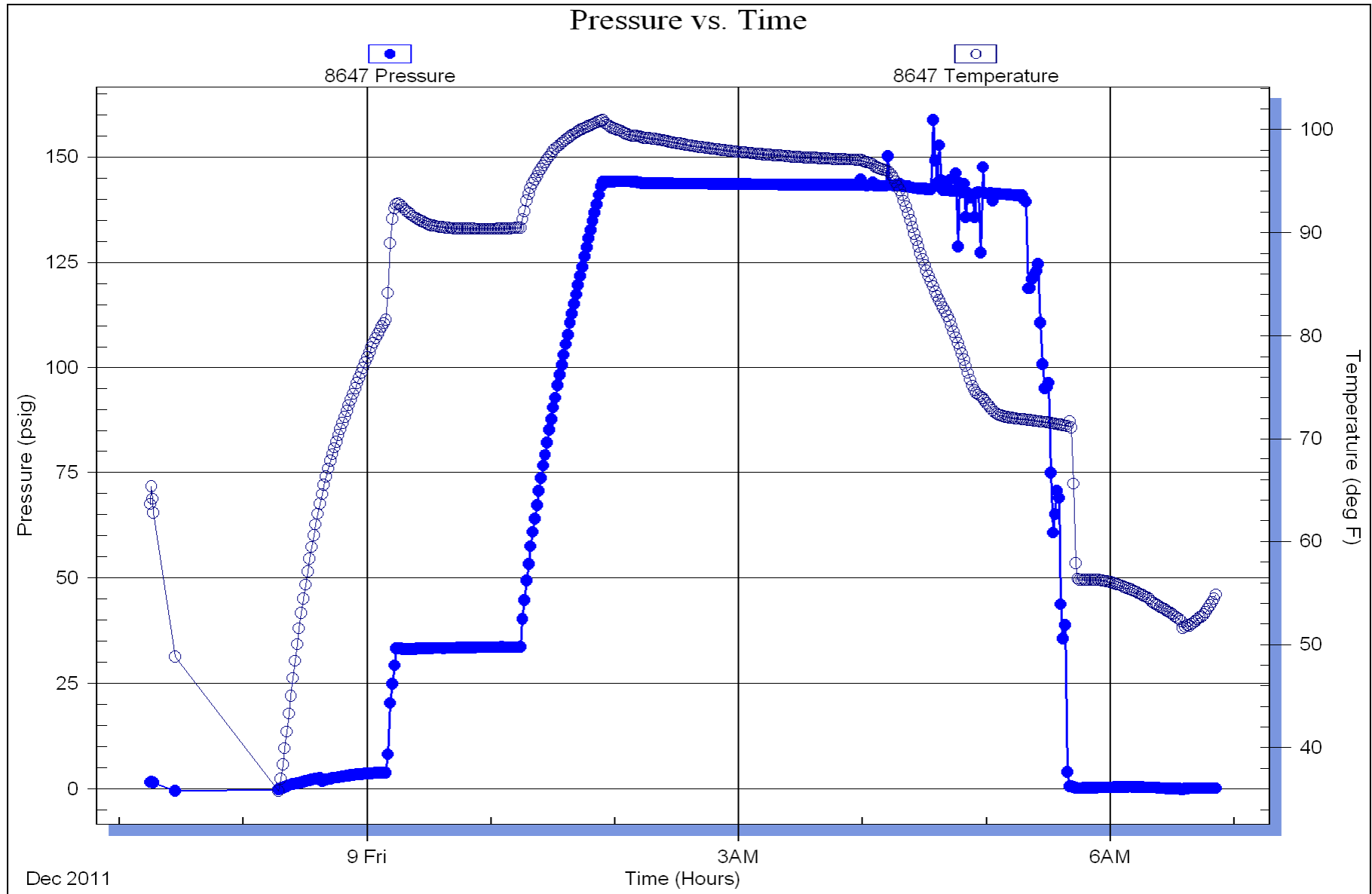
Laboratory Location:

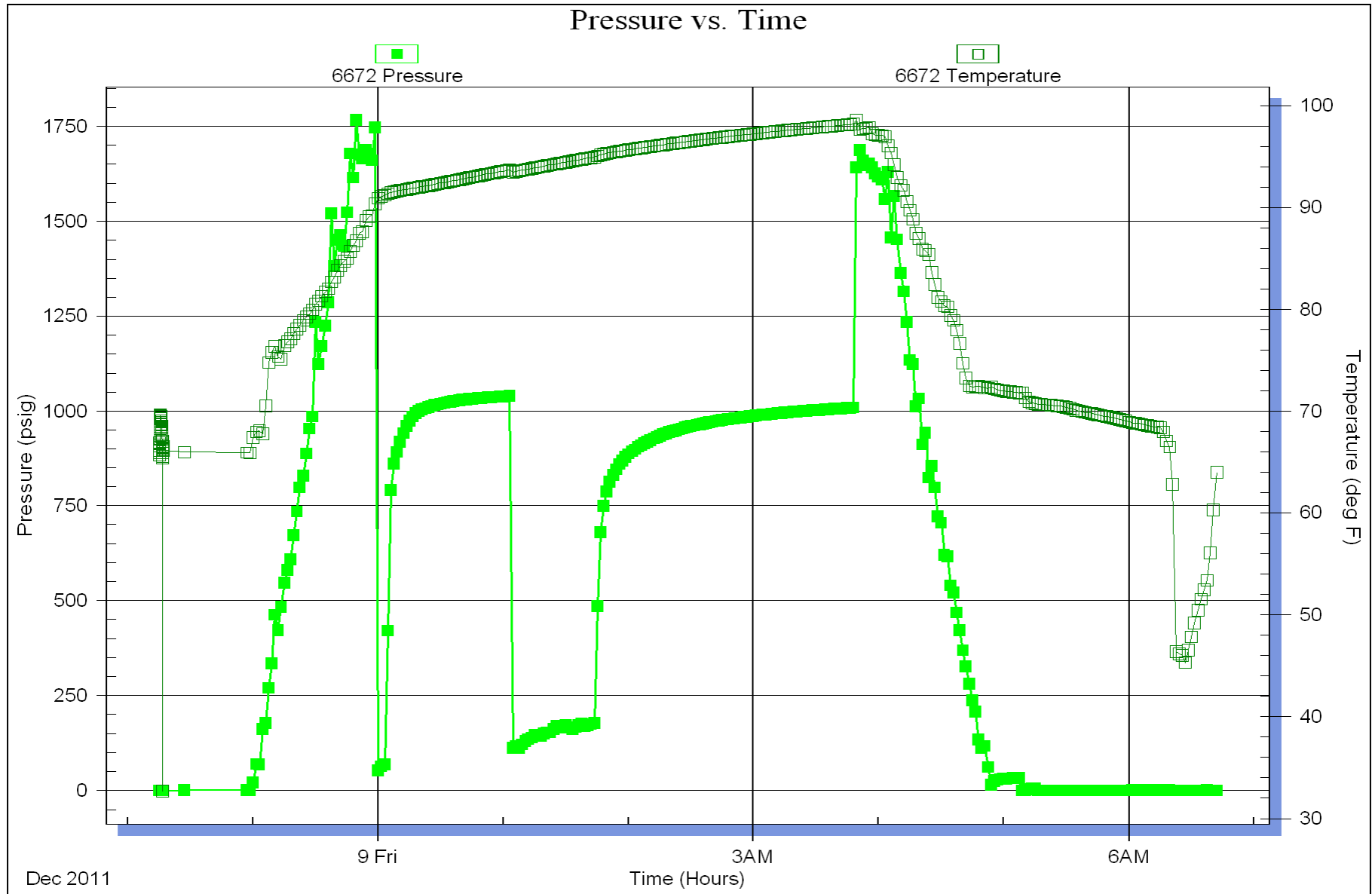
Recovery Comments: Gravity 36

Salinity: .33 @ 29 Degrees = 55000

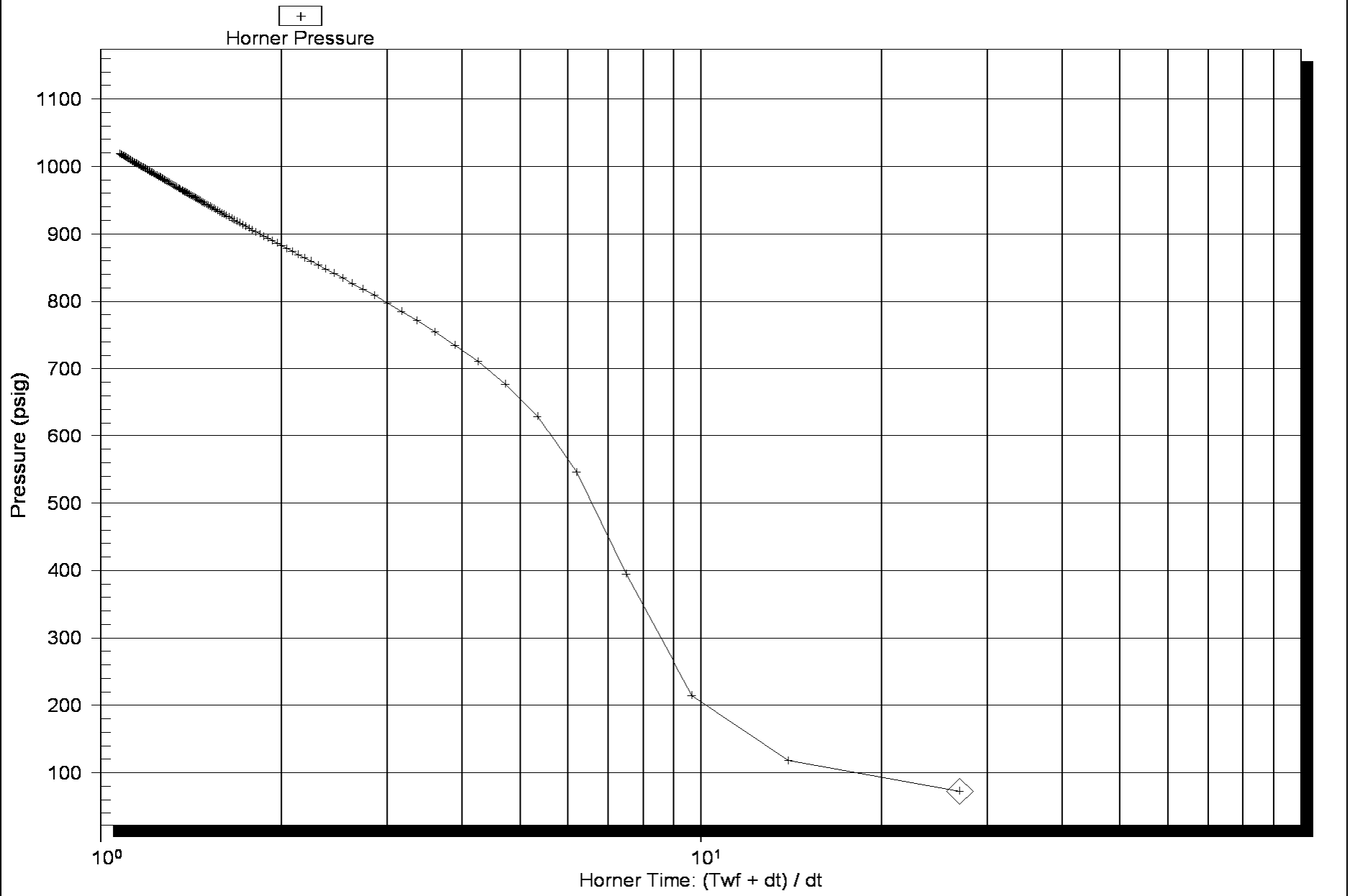


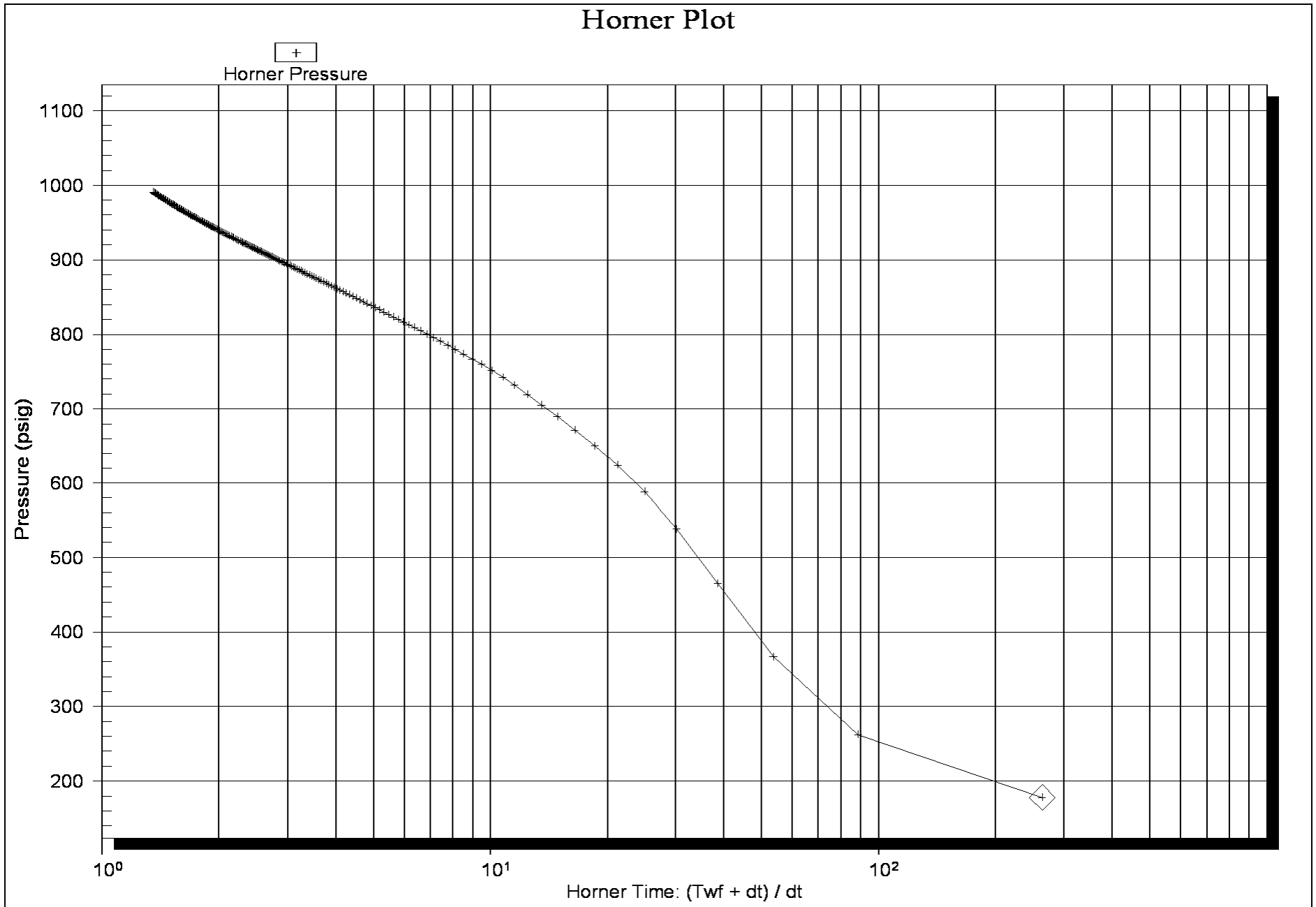


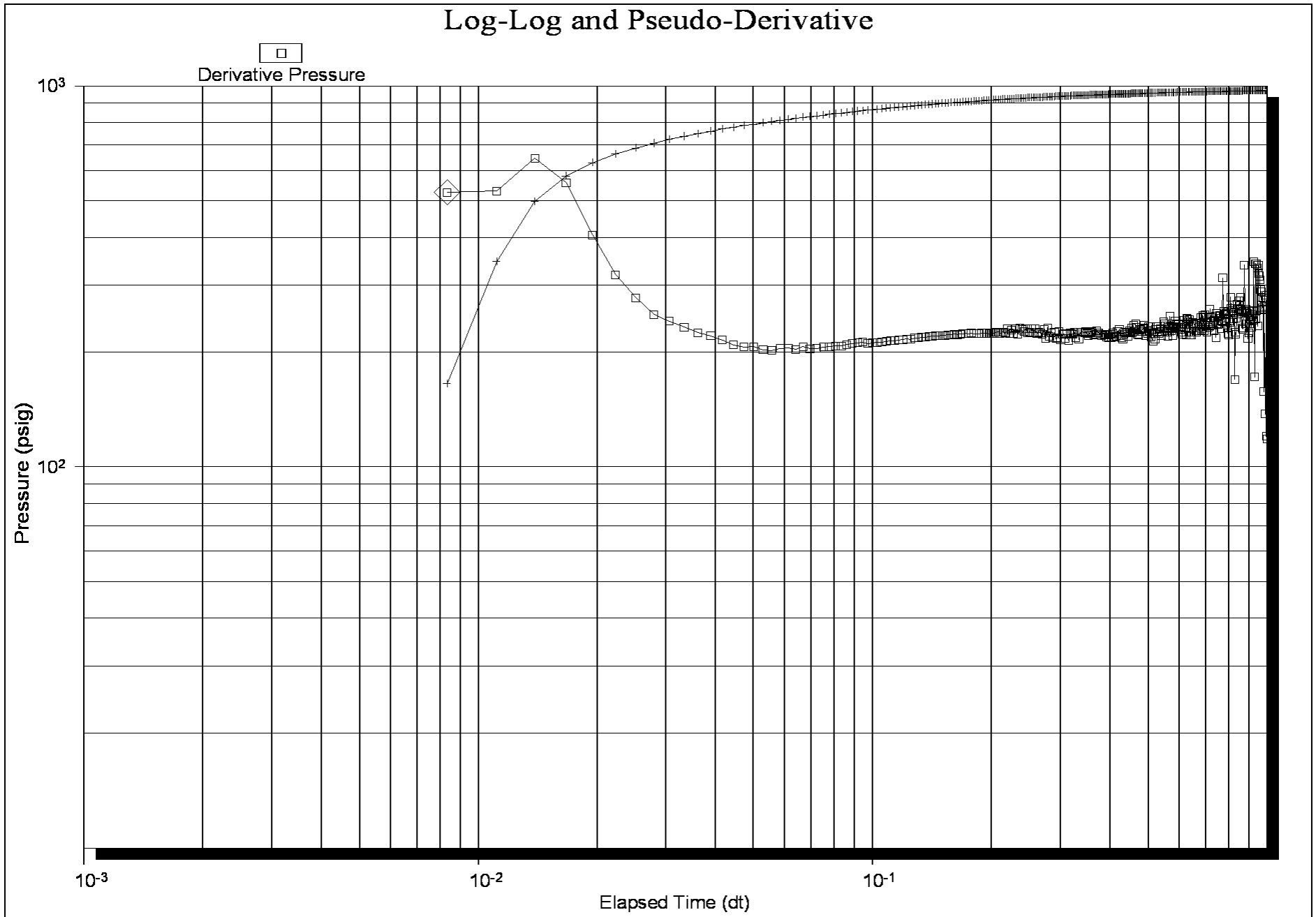


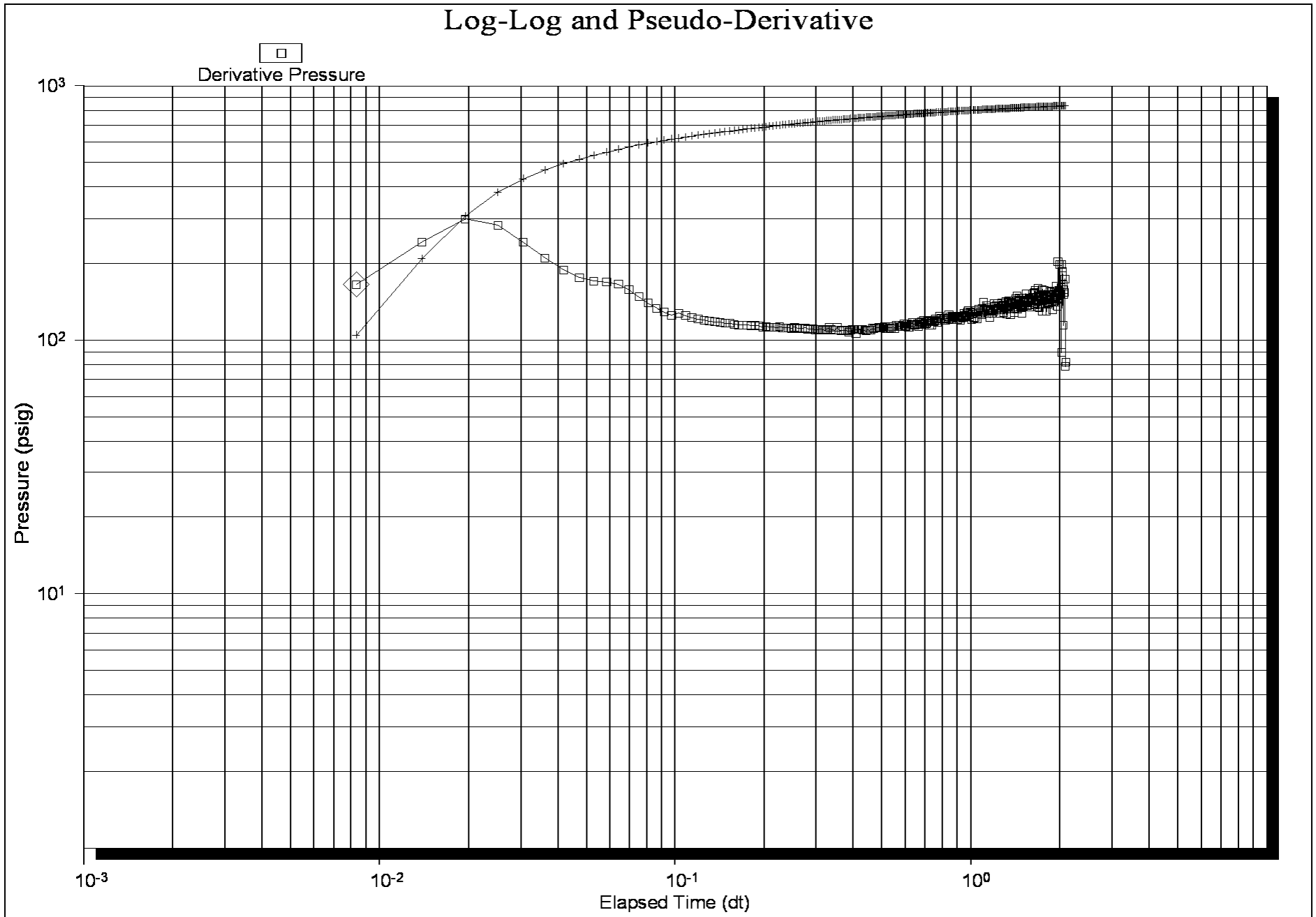


Horner Plot











TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

ATTN: Clayton Camozzi

Job Ticket: 46330

DST#: 3

Test Start: 2011.12.09 @ 18:28:00

GENERAL INFORMATION:

Formation: **Lansing "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:33:10

Time Test Ended: 01:33:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 39

Interval: 3520.00 ft (KB) To 2542.00 ft (KB) (TVD)

Reference Elevations: 2135.00 ft (KB)

Total Depth: 3542.00 ft (KB) (TVD)

2127.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8017 Inside

Press @ Run Depth: 21.40 psig @ 3539.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.09 End Date: 2011.12.10

Last Calib.: 2011.12.10

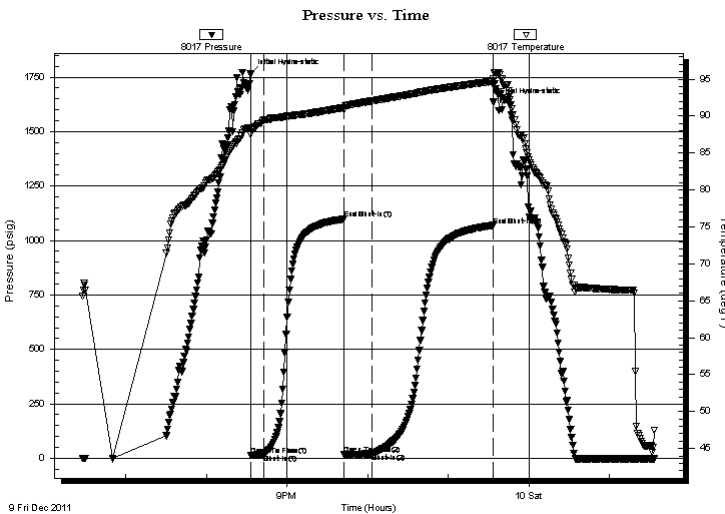
Start Time: 18:28:05 End Time: 01:33:50

Time On Btm: 2011.12.09 @ 20:33:00

Time Off Btm: 2011.12.09 @ 23:33:39

TEST COMMENT: 10 - IF- 1/2" blow
60 - IS- No blow back
20 - FF- 1 1/4" blow
90 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.85	88.45	Initial Hydro-static
1	12.55	87.50	Open To Flow (1)
10	17.89	89.47	Shut-In(1)
70	1098.79	91.16	End Shut-In(1)
70	18.87	90.85	Open To Flow (2)
91	21.40	92.04	Shut-In(2)
181	1069.92	94.71	End Shut-In(2)
181	1635.25	95.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCWM, 5%W, 10%O, 85%M	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass. Inc.
1515 Wynkoop st. Suite 700
Denver CO, 80202
ATTN: Clayton Camozzi

15-12s-17w Ellis

Schmeidler et 1-15

Job Ticket: 46330

DST#: 3

Test Start: 2011.12.09 @ 18:28:00

GENERAL INFORMATION:

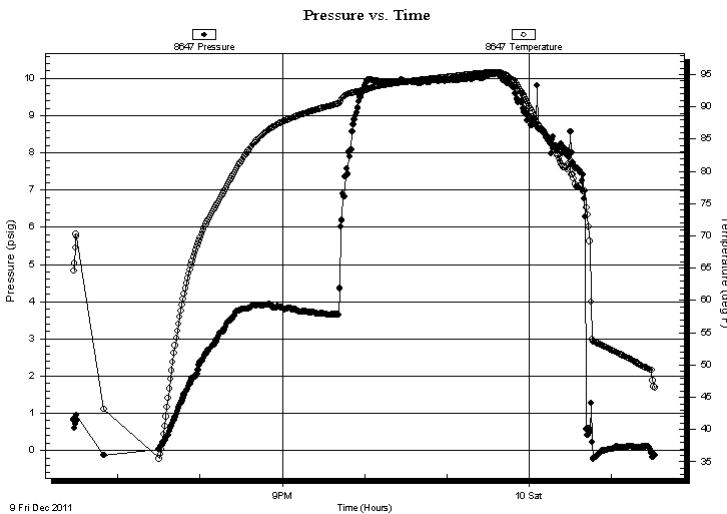
Formation: Lansing "I"		Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)		Tester: Cody Bloedorn
Time Tool Opened: 20:33:10		Unit No: 39
Time Test Ended: 01:33:50		
Interval: 3520.00 ft (KB) To 2542.00 ft (KB) (TVD)	Reference Elevations:	2135.00 ft (KB)
Total Depth: 3542.00 ft (KB) (TVD)		2127.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF:	8.00 ft

Serial #: 8647 Fluid

Press @ RunDepth: psig @ 3485.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2011.12.09 End Date: 2011.12.10	Last Calib.: 2011.12.10
Start Time: 18:28:05 End Time: 01:32:09	Time On Btm:
	Time Off Btm:

TEST COMMENT: 10 - IF- 1/2" blow
60 - IS- No blow back
20 - FF- 1 1/4" blow
90 - FS- No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCWM, 5%W, 10%O, 85%M	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Ass. Inc.

15-12s-17w Ellis

1515 Wynkoop st. Suite 700
Denver CO, 80202

Schmeidler et 1-15

Job Ticket: 46330

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2011.12.09 @ 18:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

6000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	VSOCWM, 5%W, 10%O, 85%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

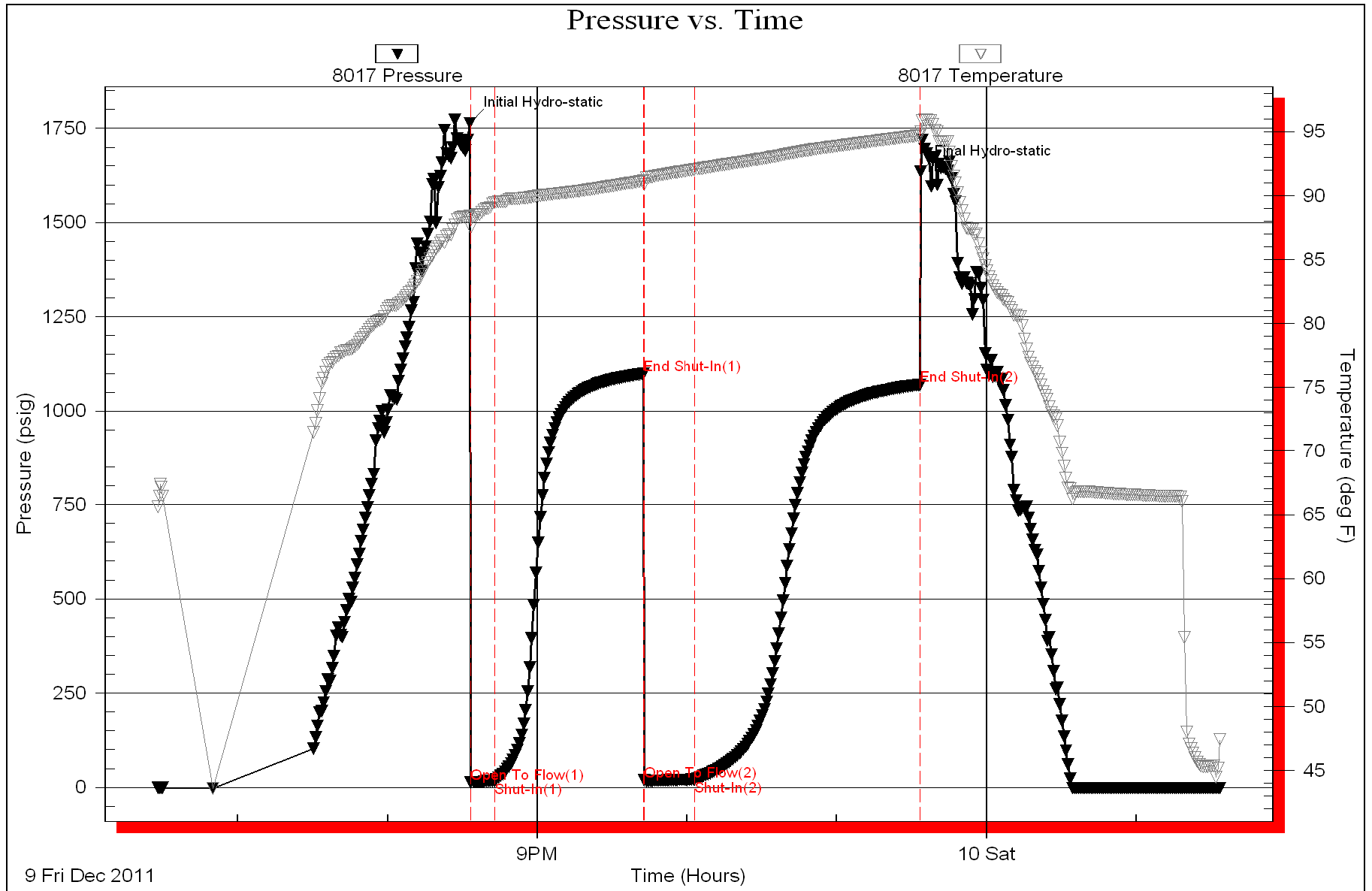
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Salinity: .22 @ 40 Degrees = 60000





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

Well Name: SGA SCHMEIDLER ET AL 1-15
Location: SEC 15 T12S R17W, Ellis County, Kansas
License Number: 15-051-26216
Spud Date: 12/01/2011
Surface Coordinates: 1425 FSL / 1400 FEL
Region: WILDCAT
Drilling Completed: 12/11/2011

Bottom Hole
Coordinates:
Ground Elevation (ft): 2127' K.B. Elevation (ft): 2135'
Logged Interval (ft): 2900' To: 3750' Total Depth (ft): 3750'
Formation: Lansing, Arbuckle
Type of Drilling Fluid: Natural Chemical

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

OPERATOR

Company: Samuel Gary Jr. & Assoc.
Address: 1515 Wynkoop, Ste. # 700
Denver, Colo. 80202
Geo: CLAYTON CAMOZZI

GEOLOGIST

Name: TIM HEDRICK
Company: Earth Tech OGL, Inc.
Address: PO Box 683
Hooker, Okla. 73945
Off. 888-543-8378

DST's Report

DST#1 3394- 3417 5 60 30 120

IF- 6" BLO/ ISI-WK BLO DIED IN 11 MIN./FF-BOB 6 MIN./FSI-1.5" BLO THRU

IH-1685, FH- 1585/ IF- 18 TO 37, FF-52 TO 84/ ISI- 1073, FSI-1033/ RECOV.- 155' TF, 279' GIP, 124' SOCWM, 10% O., 40%W.,50% M./ 31' GO, 10%G., 90% O. 35 GR. RW 61 @ 33 DEG./ PIT CHL 4000/ CHL 25000 BHT 100 DEG. SAMPLER - 1800 ML OIL, 200 PSI TOTAL 1800 ML

DST#2 3434 TO 3468 STRADDLE 5 60 40 120

IF- 8" BLO/ ISI-NB / FF- BOB IN 8 MIN./ FSI- 1" BLO THRU

IH- 1718, FH- 1621/ IF- 26 TO 48, FF- 59 TO 157/ ISI- 1019, FSI- 990/ RECOV- 186' GIP, 279' TF, /31' GO, 10%G., 90% O./ 62' GVSOCWM, 5%G., 5% O., 20%W., 70%M./ 186' GVSOCMW, 5%G.,5%O., 70%W., 20%M./ 36 GR. RW .33 @ 29DEG./ PIT CHL 4000/ TST CHL-55000/ BHT 100DEG. STRADDLE PACKER FAILED/ SAMPLER- 1800 ML OIL, 140 PSI 1800 ML TOTAL

DST's Report

SAT # 3 3520 TO 3542 10 60 20 90

IF- 1/2" BLO THRU/ ISI NB/ FF- 1.25" BLO/ FSI- NB


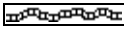
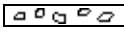
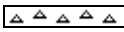
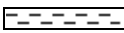



IH-1764, FH- 1635/ IF-12 TO 17, FF- 18 TO 21/ISI- 1098, FSI-1069-RECOV- 2' TF/ SOCWM, 10% OIL.,5%W., 85% M.





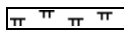
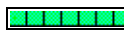
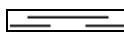

33 GR RW .33 @ 40 DEG/ PIT CHL 4000/ TST CHL 60000/ BHT 94 DEG/ SAMPLER- 1600 ML OIL.,200 ML

MUD.,100 ML WATER., 125 PSI, 1900 ML TOTAL

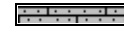





SAMPLER-

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
-  Slttysh
-  Lms













ACCESSORIES












MINERAL

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












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





FOSSIL

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












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

STRINGER

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

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

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

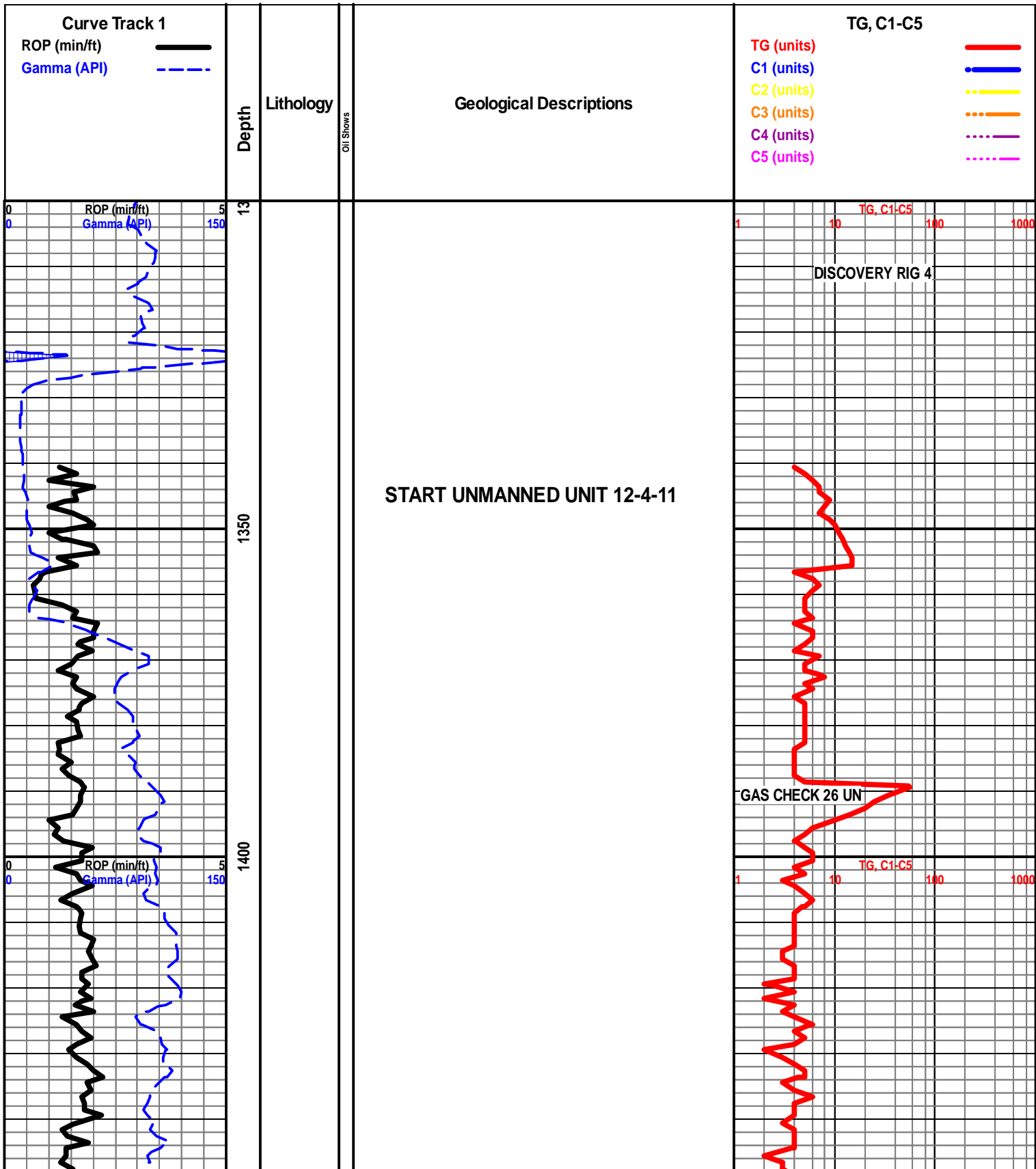
- Even
- Spotted
- Ques
- Dead
- Gas show

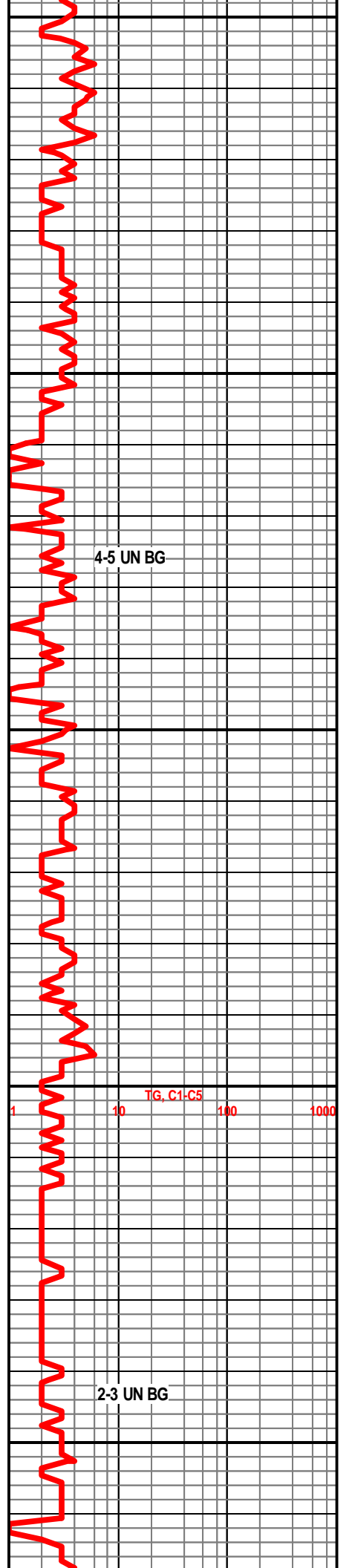
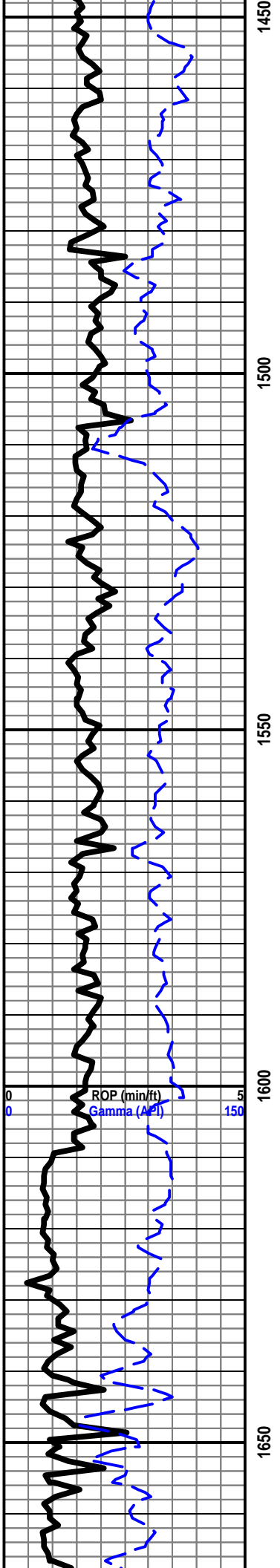
INTERVALS

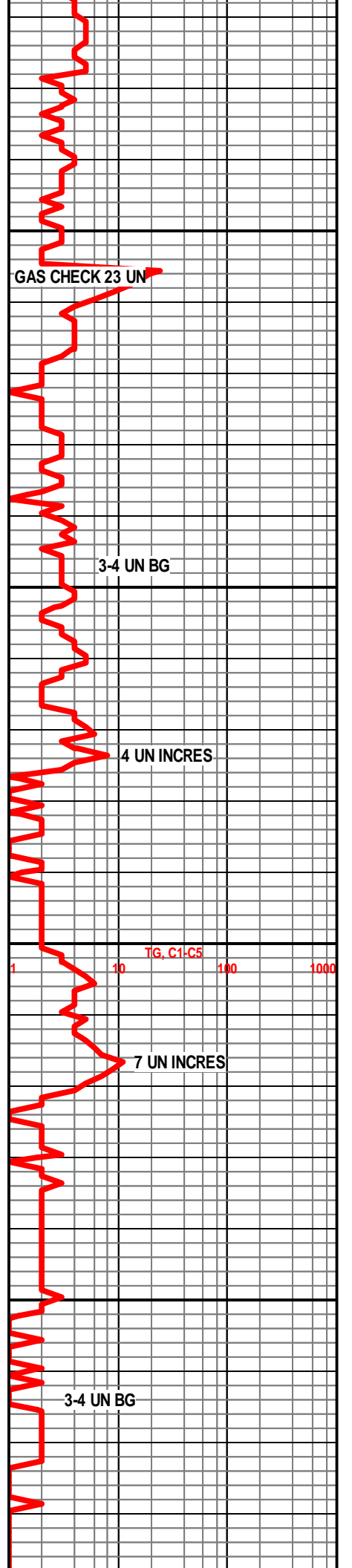
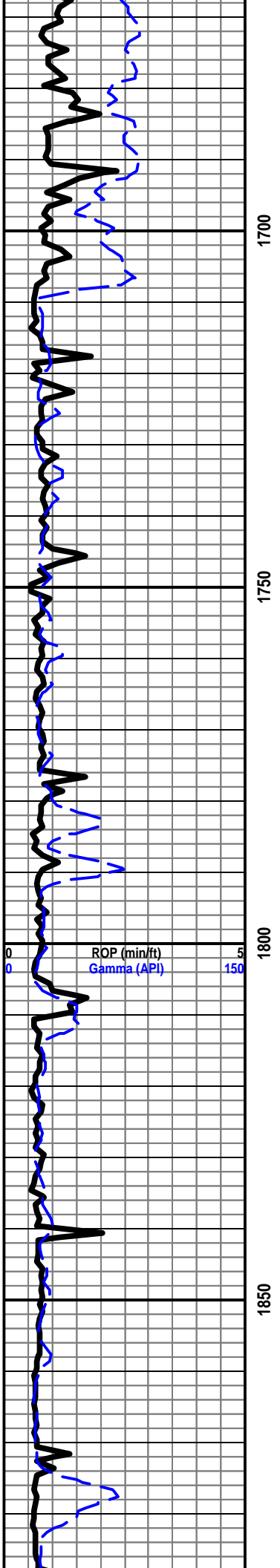
- Core
- Dst
- Dst

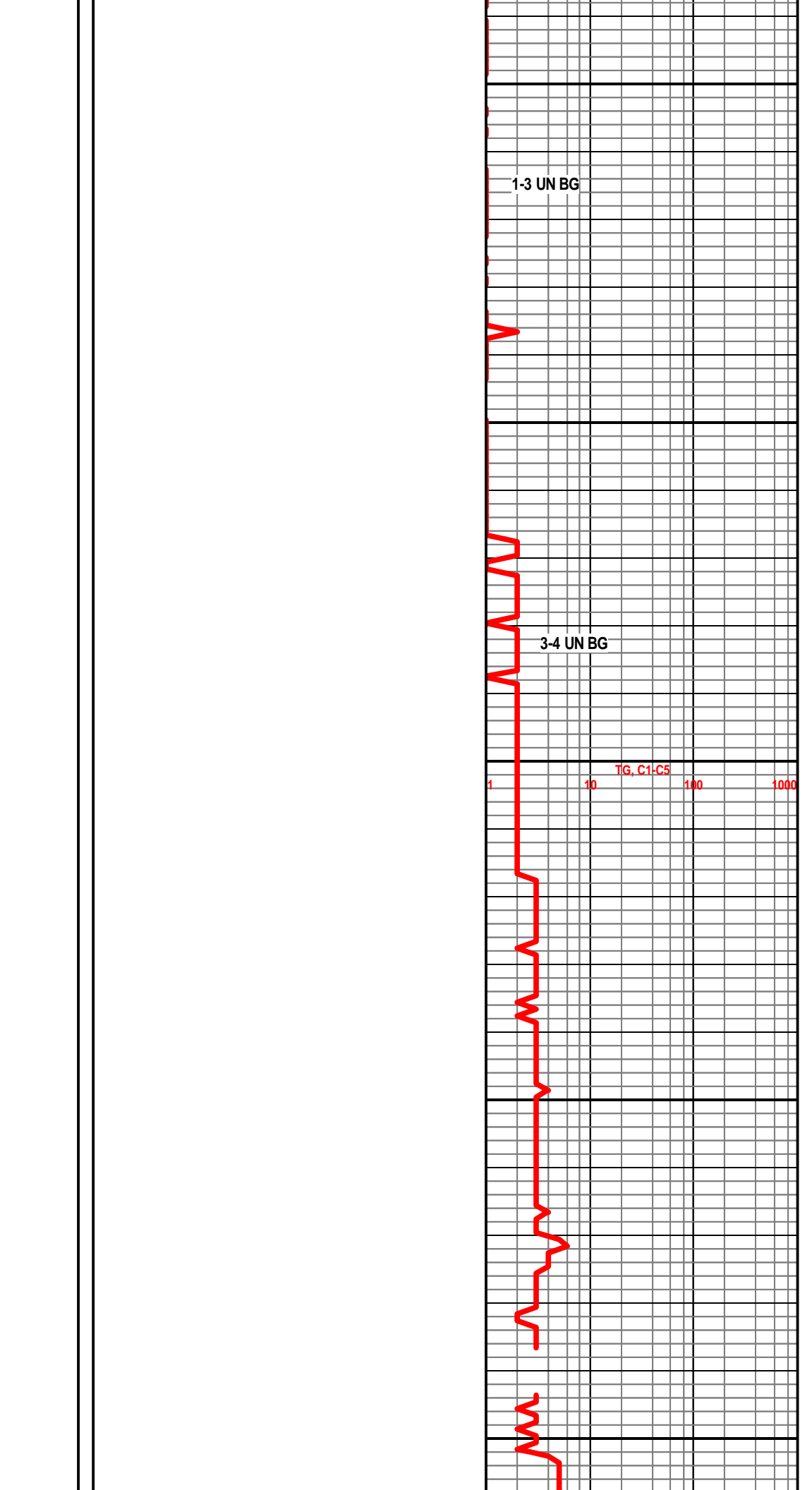
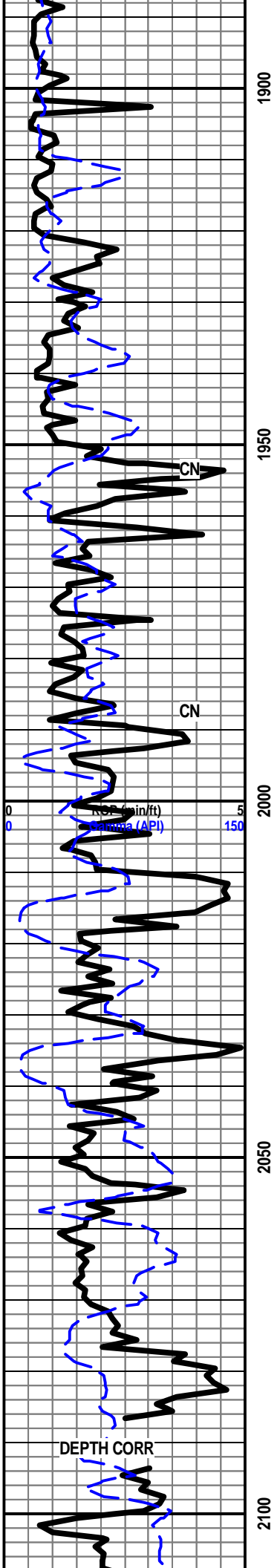
EVENTS

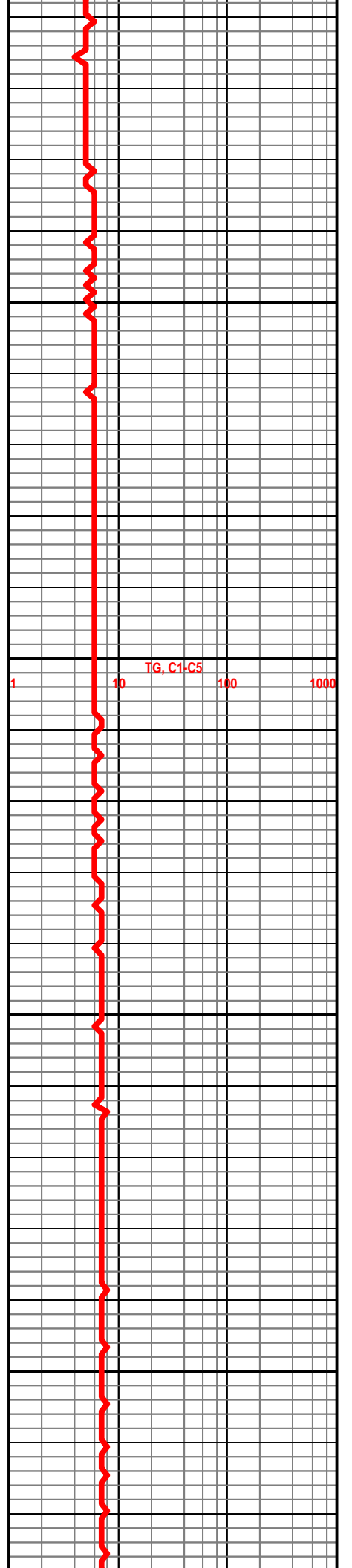
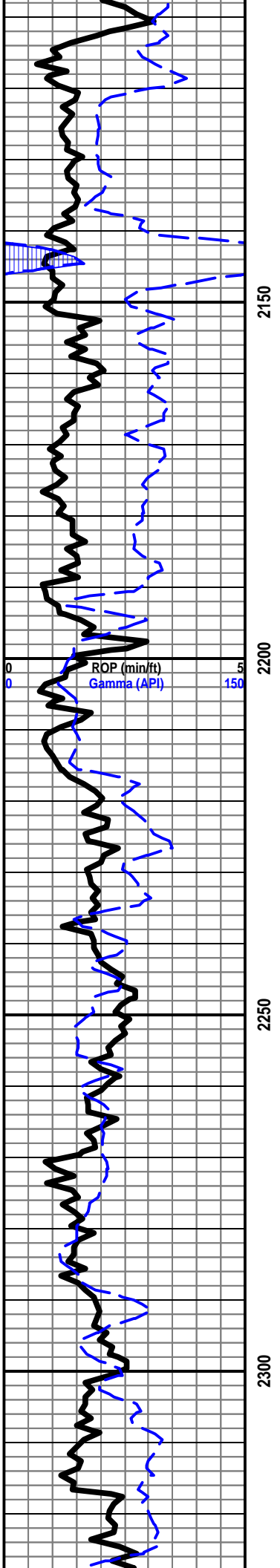
- Rft
- Sidewall

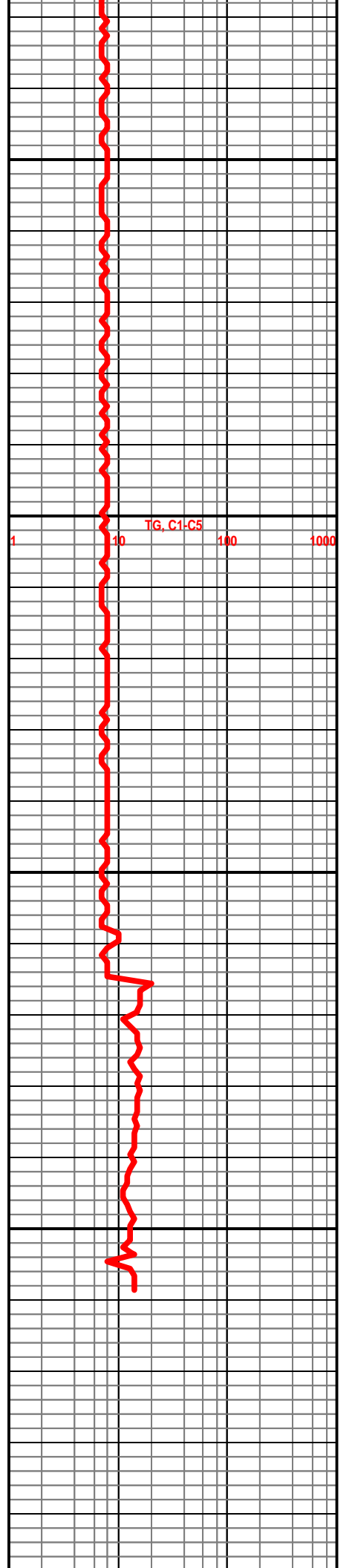
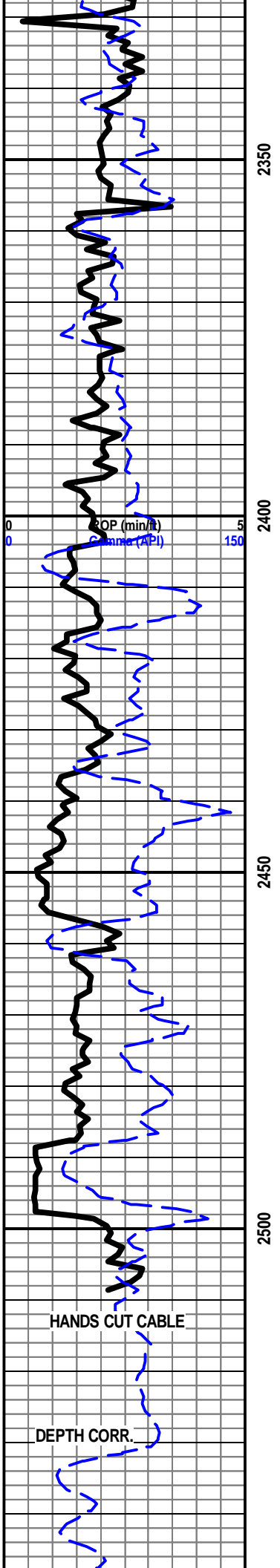


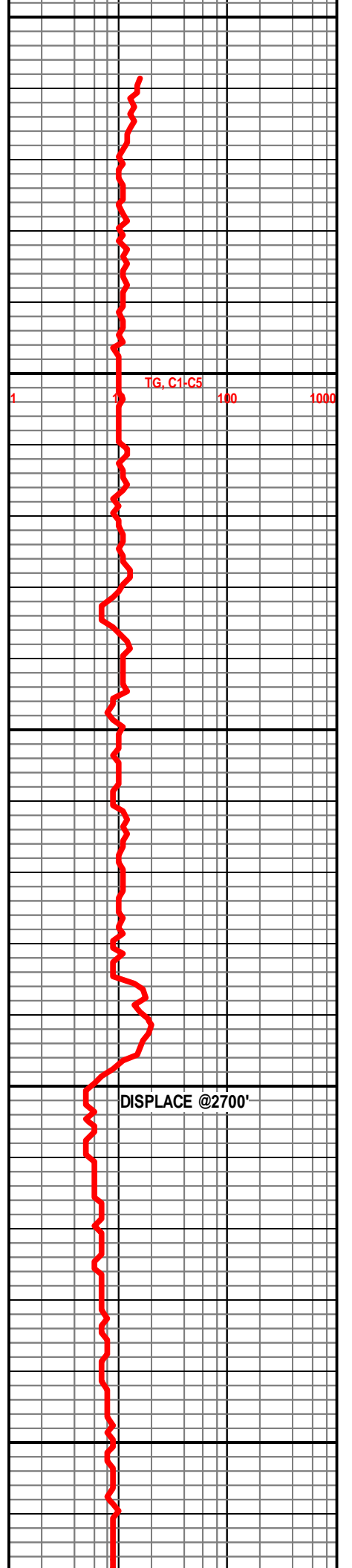
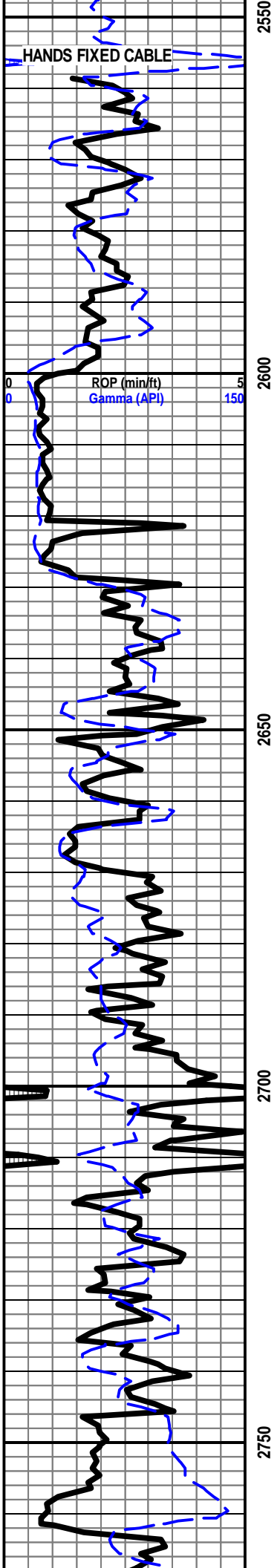


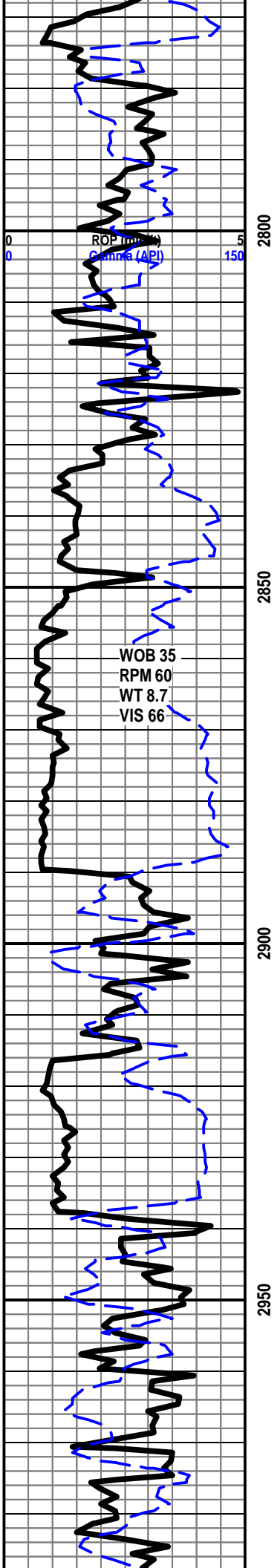




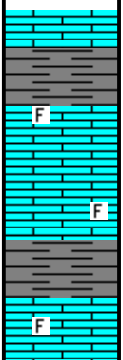








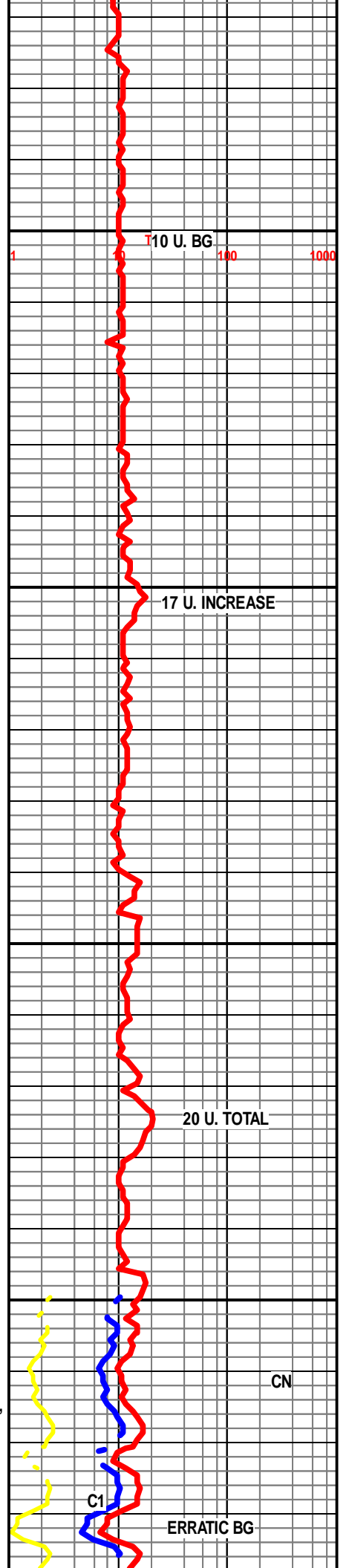
2800
2850
2900
2950



BS. ROOT SH. 2890' - 755'

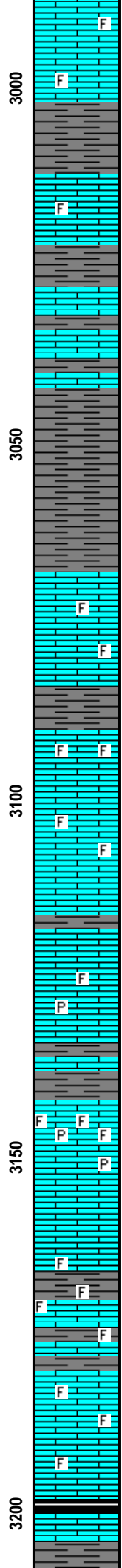
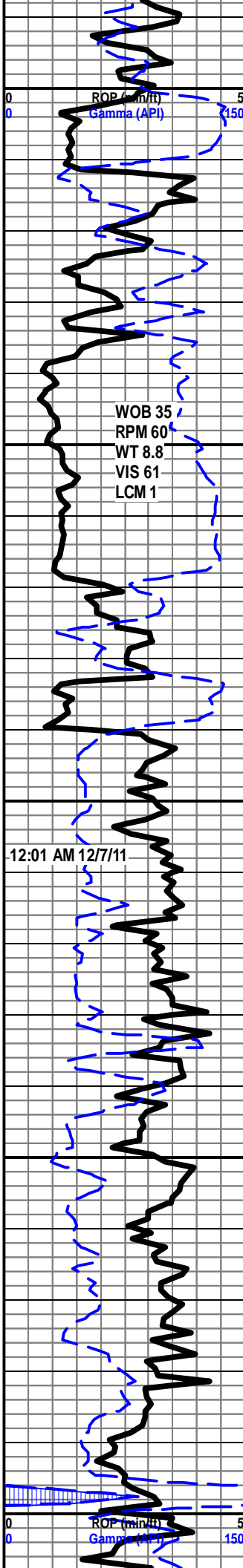
LS- OFF WHT CRM LT GY- HD DNS TO V/ BRITT, MD-FXLN ,
V/RE-XN MTRX, ABDT IMBD FOSS FRGS , LT YEL MIN
FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM LT GY- HD DNS TO BRITT, MD-FXLN ,
V/RE-XN MTRX, ABDT IMBD FOSS FRGS , LT YEL MIN



1 100 1000

C1



V/RE-XN MTRX, ABDT IMBD FOSS, HVY TR IMBD LT GY TO DK GY SH IP, SLI TR FRM CHLK IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- LT GRN TO LT GY- FRM BLK IP TO V/ SFT IP

LS- OFF WHT CRM LT GY IP, MOTT, HD DNS IP TO BRITT, F-XLN TO SUCRO S-CHLKY, TR FOSS FRGS IP, TR IMBD LT GY SH , NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM LT GY- HD DNS TO BRITT, MD-FXLN , ABDT IMBD FOSS FRGS , HVY TR IMBD LT GY TO DK GY SH IP, SLI TR FRM CHLK IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- LT TO MED GY - FRM BLKY IP TO V/ SFT

HOWARD 3068' - 933'

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

LS- OFF WHT CRM LT GY- HD DNS TO V/ BRITT, MD-FXLN , V/RE-XN MTRX, ABDT FREE FOSS, HVY TR IMBD LT GY TO GRN SH IP, SLI TR FRM CHLK IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS -LT TN TN - HD DNS F- CRYPTO-XLN IP MD-XLN IP, RE-XLN TR FOSS FRGS IMBD IP, SLI TR PYR IP, NO FLO, NO VIS POR, NO VIS SHOW

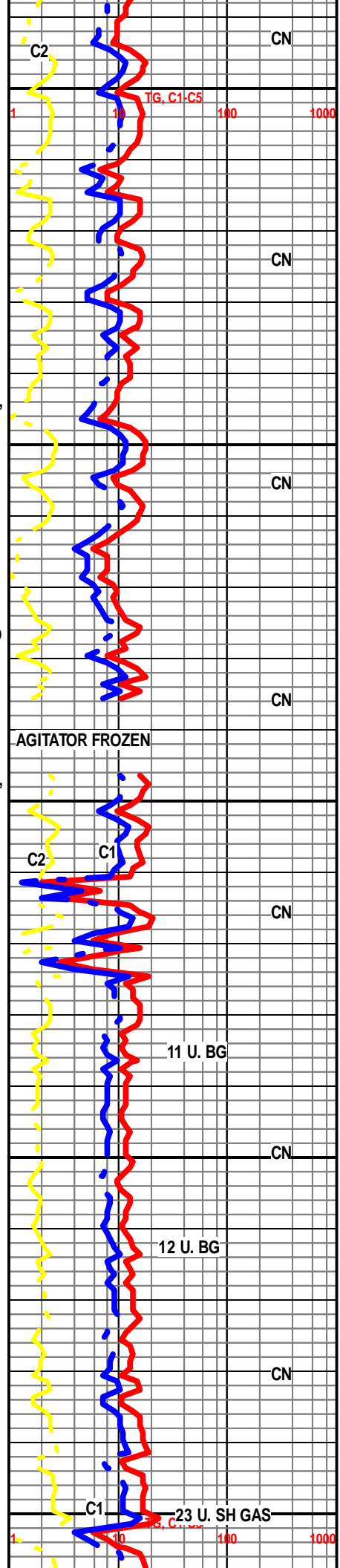
TOPEKA 3141' - 1006'

LS- CRM BFF- HD DNS TO BRITT, MDF-XLN RE-XLN MTRX, ABDT IMBD FOSS FRGS SCAT THRU, SLI TR DISS PYR IP, GRDNG TO FRM TO SFT WHT CHLK IP. LT BRIT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- LT TO MD GY- FRM BLKY V/ CALC TO LMY W/ IMBD FOSS FRGS

LS- OFF WHT CRM BFF- HD TO BRITT, MD-F-XLN RE-XLN MTRX SUCRO SLI S-CHLKY IP, FOSS FRGS SCAT THRU, SLI TR SFT WHT CHLK IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH-BLK SFT CARB



LeCOMPTON 3213' - 1078'

LS- OFF WHT CRM LT TN - HD DNS TO BRITT, F-XLN TO MD-XLN RE-XLN MTRX, S-CHLKY TO CHLKY IP, SCAT IMBD FOSS FRGS , SLI TR LT GY CHRT IP, LT YEL SCAT FLO IP, NO VIS POR, NO VIS SHOW

SH- LT GRN TO GRN - FRM BLKY SMTH TXT

SH- BLK SFT CARB

LS- CRM LT TN TN- HD DNS TO SLI TR BRITT, F-V/F-XLN CRYPTO-XLN IP, SLI TR FOSS IP, TR GY TN MOTT CHRT, SLI TR CHLK IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO CRM- MD HD TO SFT, MD-XLN TO SUCRO S-CHLKY MTRX, TR FOSS FRGS IP, HVY TR ABDT SFT WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

3294 TO 3302 LS- CRM TN LT BRN (DUE TO OIL STN IN 60%), HD DNS TO BRITT IP, MD-F-XLN, RE-XLN MTRX, SCAT IMBD FOSS IP, IMBD SMLL CALC XLS IP, DLL YEL GLD FLO IN 30%, TR SCAT BRIT YEL GLD FLO, PR TO TR GD SCAT INTER-XLN POR IN 30%, TR PR VUG POR IN 10%, EXCEL FL SH CUT IN 70%, EXCEL SLO STRM RICH MLKY BLUE CUT IN 70%, GD OIL ODOR, DK TN STN ON DISH

LS- CRM LT TN TN- HD DNS TR BRITT, F-XLN TO MD-XLN RE-XLN MTRX, FOSS FRGS IMBD IP, SLI TR SUCRO IP, TR TN GY MOTT CHRT, NO FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3329' - 1194'

SH- BLK SFT CARB

SH- LT GY TO LT GRN FRM IPTO V/SFT GMMY TXT IP

LS- WHT OFF WHT LT TN STN IN 20%, HD DNS TO BRITT, MD-F-XLN TO SUCRO S-CHLKY IP, TR WHT CHRT IP, SMLL CALC XLS IMBD IP, VV/ DLL YEL FLO IP TO TR BRIT YEL FLO IN 20%, NO VIS POR IN 80%, TR PR SCAT MICROVUG POR IN 20%,FR FL SH CUT IN 70% TO FR SLO STRM IN 70%, NO ODOR, NO STN ON DISH

DOUGLAS 3364' - 1229'

SH- GRN GY RED - FRM BLKY SMTH TXT TO GRNYTXT SLI GMMY

LANSING 3375' - 1240'

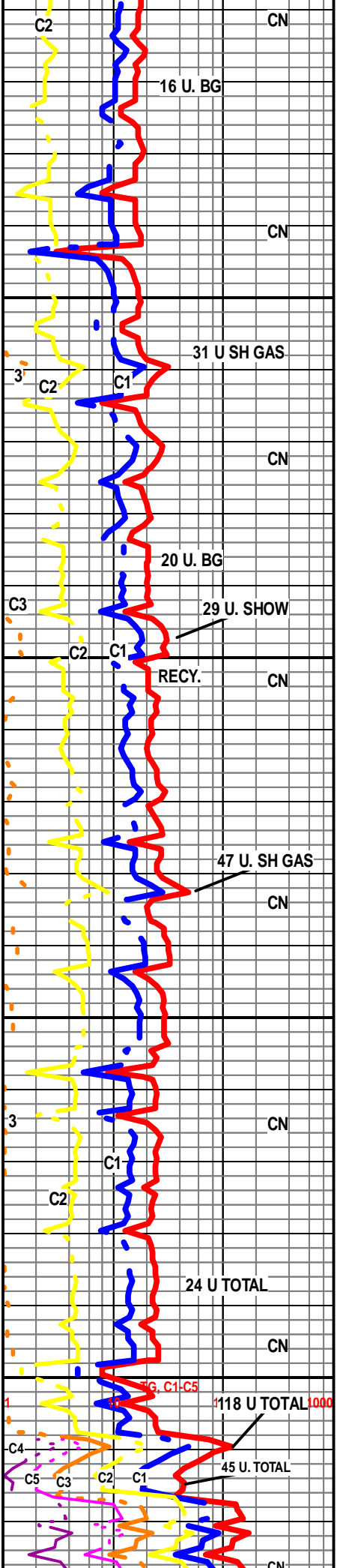
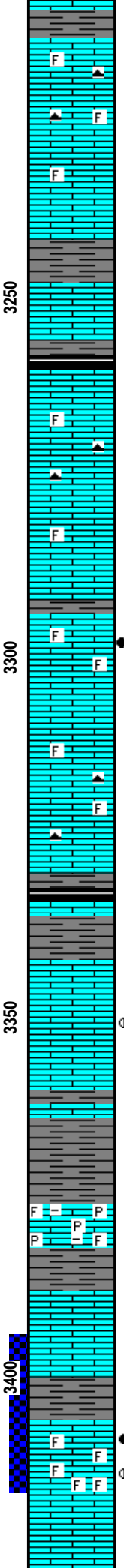
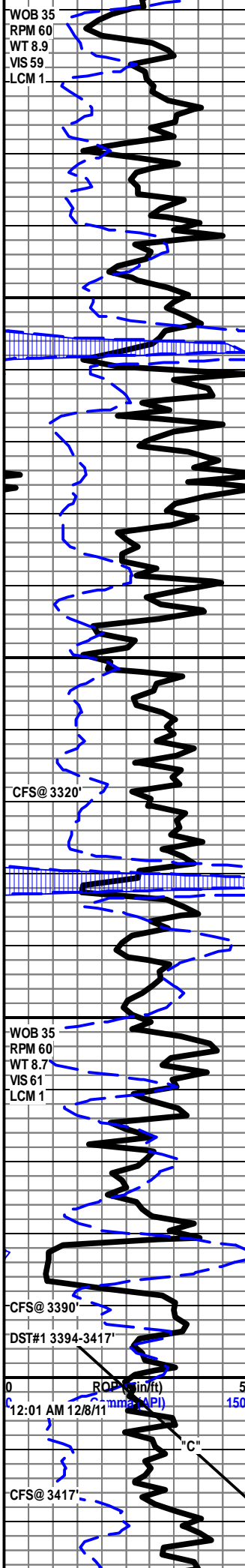
LS- CRM TN LT GY- HD DNS MD-F-XLN RE-XLN MTRX , MOTT,FOSS FRGS IMBD IP, TR IMBD SH IP, SCAT IMBD FNLY DISS PYR THRU, NO FLO, NO VIS POR, NO VIS SHOW

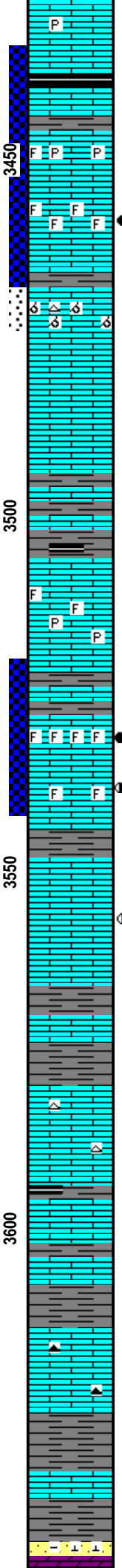
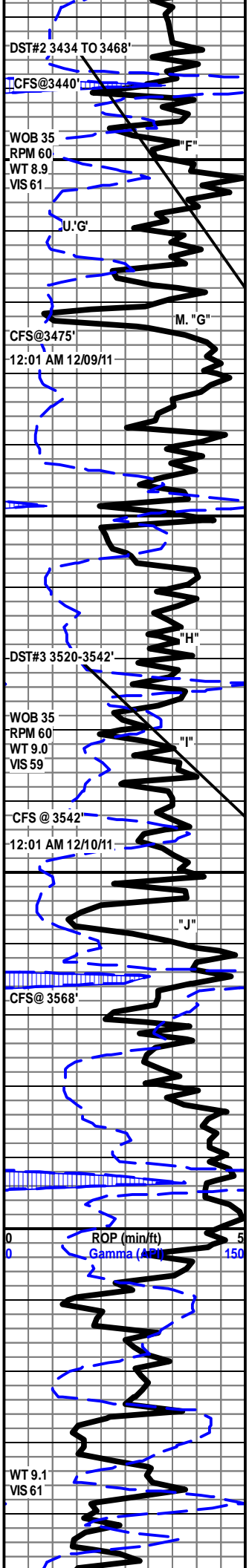
SH- DK GY - FRM BLKY SMTH TXT SLI CARB IP

LANSING "C" 3405' - 1270'

3407- 3409' LS-CRM LT TN TN DUE TO TN OIL STN IN 90%, HD DNS IP TO BRITT, MD-F-XLN RE-XLN MTRX, IMBD FOSS FRGS SCAT THRU, SMLL CALC XLS IMBD IP, DLL YEL GLD FLO IN 80% , BRIT YEL GLD SPTTD FLO THRU, TR SCAT GD MICRO VUG POR IN 20%, PR TO TR GD SCAT INTER FOSS POR IN 30%, NO POR IN 50%, V/GD FL SH CUT IN 100%, V/GD SLO STRM MLKY BLU CUT IN 80%, FR OIL ODOR

3411-3415' LS- CRM TN DK BRN DUE TO SCAT LV HVY BRN OIL STN IN 50%, HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, V/ FOSS IP, TR MICRO OOL IP, SMLL CALC XLS IP, BRIT YEL GLD FLO IN 50%, DLL YEL GLD FLO IN 30%, PR SCAT INTER FOSS POR IN 20%, PR SCAT PR MICRO VUG POR IN 20%,V/ GD FL SH CUT IN 60%, GD STRNG SLO STRM CUT IN 60%, NO CUT IN 40%. STRNG OOL ODOR, DK BRN LCH ON DISH





LS- OFF WHT CRM BFF- HD DNS TO TR BRITT, F-V-F-XLN, TR TT SUCRO IP, SLI TR WHT CHLK IP, TR PYR IP, DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW

LANSING "F" 3447' - 1312'

LS- OFF WHT CRM LT TN- HD DNS TO SLI TR BRITT, F-XLN TO SUCRO S-CHLKY MTRX, TR FOSS, HVY TR SCAT PYR CLSTRS, NO FLO, NO VIS POR, NO VIS SHOW

3460- LS- CRM LT TN TN DUE TO EVEN BRN OIL STN SCAT IN 80%, HD IP TO V/V BRITT, MD-XLN V/RE-XLN MTRX, V/ FOSS, TR FOSS HASH IN 15%, TR SMLL TO MD CALC XLS IP, BRIT YEL GLD FLO IN 80%, DLL YEL GLD FLO IN 20%, GD TO V/ GD VIS INTER-FOSS POR IN 40%, PR TO FR INTER FOSS POR IN 30%, SCAT MICROVUG POR IN 40%, V/ GD FL SH CUT IN 90%, V/GD STRNG SLO STRM CUT IN 80-90%, GD OIL ODOR, TN LCH ON DISH

3472- LS- OFF WHT WHT- HD BRITT, MD-F-XLN, RE-XLN MTRX, V/ OOLCST IP W/ ABDT SFT WHT CHLK IP, TR IMBD TN CHRT, DLL YEL FLO IN 80%, BRIT YEL GLD FLO SCAT IN 20%, PR TO TR FR OOLMLD POR, SLI TR SCAT MICROVUG POR IP, NO VIS CUT, NO ODOR

LS- OFF WHT CRM BFF- HD DNS IP MD-F-XLN TO SUCRO S-CHLKY TO HVY TR ABDT FRM CHLK, NO FLO, NO VIS POR, NO VIS SHOW

LANSING "H" 3506' - 1371'

SH LT GY TO DK GY- V. SFT GMMY TXT IP TO SLI TR CARB IP

LS- OFF WHT TO CRM- HD DNS MD-F-XLN RE-XLN IP, HVY TR CHLK IP, TR FOSS FRGS IP, HVY TR PYR CLSTRS IP, NO FLO, NO VIS POR, NO VIS SHOW

3530' LS- CRM LT TN TN DUE TO EVEN BRN OIL STN IN 70%, HD DNS TO SLI TR BRITT, MD-F-XLN RE-XLN MTRX, ABDT FOSS FRGS IP, ABDT IMBD SMLL ANG LM GRNS IN 40%, BRIT YEL GLD FLO IN 80%, DLL YEL GLD FLO IN 20%, PR TO FR VIS MICRO VUG POR IN 30%, PR TO FR VIS INTER-XLN POR IN 20%, V/GD FL SH CUT IN 70%, V/ GD SLO STRM CUT IN 80%, GD OIL ODOR, TN LCH ON DISH

3538' LS- CRM TN DK TN DUE TO SCAT STN IN 70%, HD DNS IP TO BRITT IP, F-V/F-XLN IP TO MD-XLN RE-XLN MTRX, FOSS FRGS SCAT IN 50%, SMLL CALC XLS IMBD IP BRIT YEL GLD SPTTD FLO THRU, DLL YEL GLD FLO IP, PR TO FR VIS INTER -XLN POR, PR TO FR VIS INTER-FOSS POR IN 20%, FR TO GD FL SH CUT IN 60%, GD SLO STRM CUT IN 60- 70 %, V/ DK TN LCH ON DISH

LS- OFF WHT WHT LT TN TN DUE TO SCAT BRN OIL STN IN 50-60%, HD BRITT, MD-XLN V/ RE-XLN MTRX, SCAT OOLIMBD IP, TR FOSS FRGS SCAT IP, HVY TR SCAT V/ SFT WHT CHLK, OOLMLD IN 50% W/ OIL STN AND 25% OOLMLD POR W/OUT STN, BRIT YEL GLD FLO IN 70%, NO FLO IN 25%, PR OOLMLD POR IN 50%, PR SCAT MICRO VUG POR IN 20%, PR TO FR INTER-XLN POR IN 25%, FR FL SH CUT IN 60%, GD SLO STRM CUT IN 60%, FR TO GD OIL ODOR, V/ LT TN LCH ON DISH

SH- LT GRN LT GY- FRM BLK SMTH TXT

LS- CRM LT TN LT BRN - HD DNS F-V/F-XLN TR CRYPTO-XLN IP, SLI TR RE-XLN MD-XLN IP, TR LT BRN GY MOTT CHRT IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

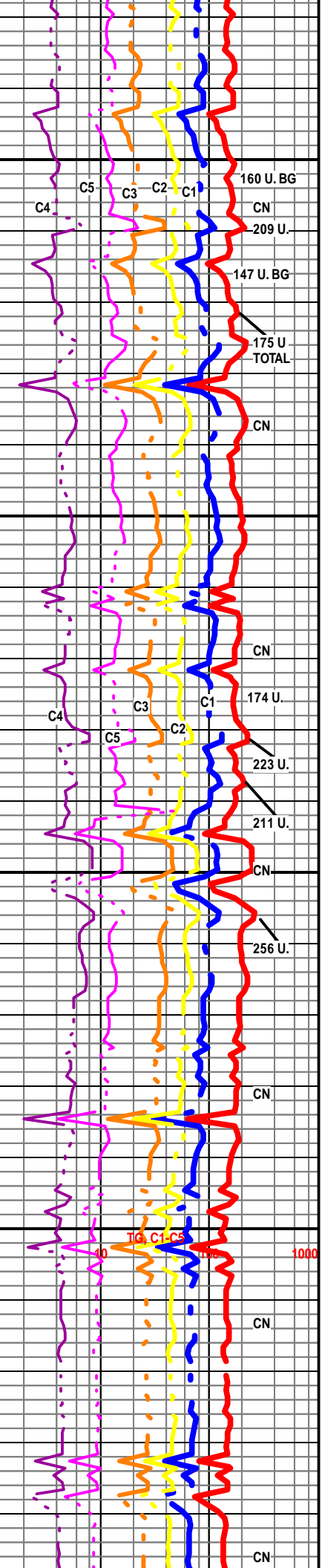
SH- DK GY TO BLK SFT CARB IP

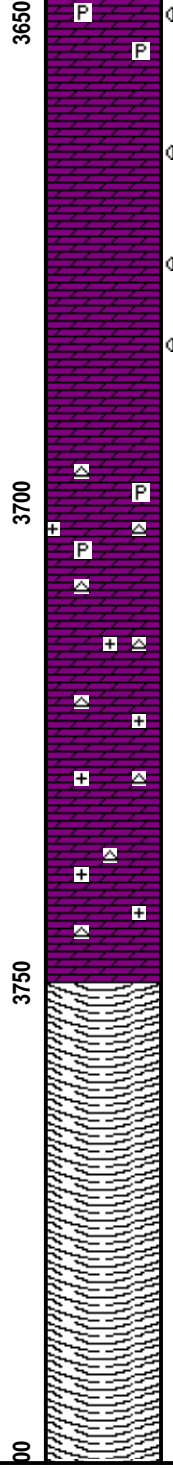
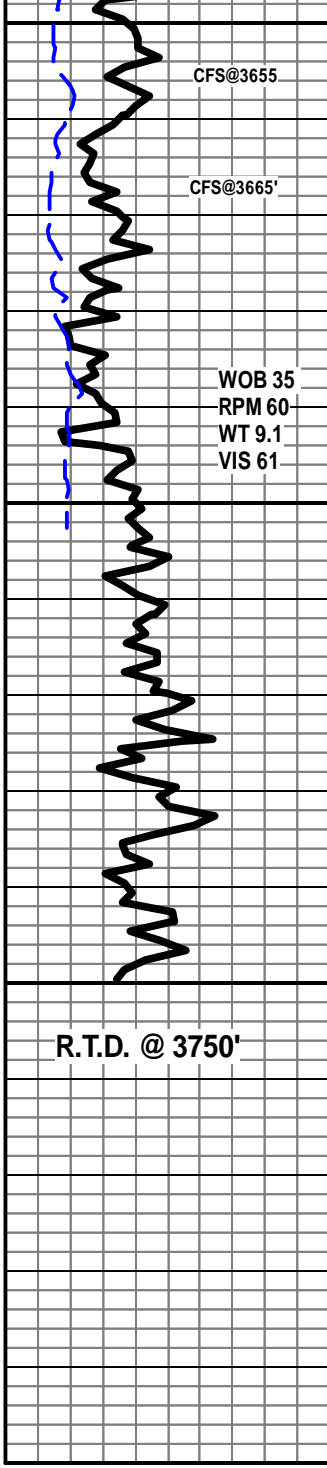
BASE K.C. 3607' - 1472'

LS- CRM TN BRN- HD DNS F-V/F-XLN MD -XLN RE-XLN MTRX SLI SUCRO IP, TR IMBD WTHRD MOTT CHRT, NO FLO, NO VIS POR, NO VIS SHOW

3642 SS- OFF WHT FRSTY- HD V/ FRI, MD- TR CRS QURTZ, CLR GRNS, ANG S- ANG SLI TR S-RND, FR TO WLL SRT, ABDT IMBD SFT WHT CHLK, SLI TO CALC CMNT, SLI TR IMBD SH IP, NO FLO, PR TO TR GD SCAT INTER-GRN POR IP, NO VIS SHOW

ARBUCKLE 3645' - 1510'





3645 DOLO- OFF WHT WHT- HD DNS MD-F-XLN, RE-XLN,ABDT IMBD SMLL ANG DOLO GRNS THRU ABDT IMBD SFT WHT CHLK IP, TR IMBD DISS PYR IP, SLI TR LT TN STN IN 10%,PR TO TR FR VIS INTER-XLN POR IN 10%, DLL YEL FLO IN 20%,NO VIS POR IN 80-90%, PR TO FR VIS FLSSH CUT IN 60%, FR TO GD V/ SLO STRM CUT, NO ODOR, NO LCH ON DISH

3660- 3665' DOLO- OFF WHT LT TN TN- TN STN IN 20% , HD SN TO BRITT , MD-XLN IP TO CRS SUCRO MTRX,ABDT IMBD SMLL TO MD ANG DOLO GRNS THRU, ABDT IMBD SFT WHT CHLK THRU, BRIT YEL GLD FLO IN 20%, DLL YEL FLO IN 70%, PR TO FR TO TR GD INTER-XLN POR IN 30%, TR DOS IN 10%, FR FLSSH CUT IN 10%, FR SLO STRM CUT IN 20%, NO ODOR, NO LCH ON DISH

3665- 3688 DOLO- OFF WHT LT TN OP- HD DNS TO BRITT, SUCRO TO CRS SUCRO MTRX, ABDT IMBD SMLL ANG DOLO GRNS THRU, ABDT DOS THRU, DLL YEL GLD FLO IN 60% NO FLO IN 40%, PR TO FR VIS INTER-XLN POR IN 30%, TR GD INTER-XLN POR IN 20%, FR FLSSH CUT IN 60%, GD SLO STRM CUT IN 60%, NO ODOR, TN LCH ON DISH

3690- 3710- DOLO CRM LT TN OFF WHT F-VF-XLN TO SUCRO SLI S-CHLKY IP , HVY TR ABDT SFT WHT CHLK IP, TN WHT CHRT, TR FLDSR IP, TR PYR CLSTR, DLL YEL MIN FLO IP, NO FLO IP, NO VIS POR, NO VIS SHOW OR CUT

3710 TO 3730- DOLO- OFF WHT LT TN HD DNS TO BRITT, F-XLN TO CRS SUCRO MTRX ,ABDT IMBD WHT TRANSLCNT CHRT, SCT TRCS FLDSPR, SLI TR WHT CHLK IP, DLL YEL MIN FLO IP, TR SCAT GD INTER-XLN POR IP, NO VIS SHOW OR CUT

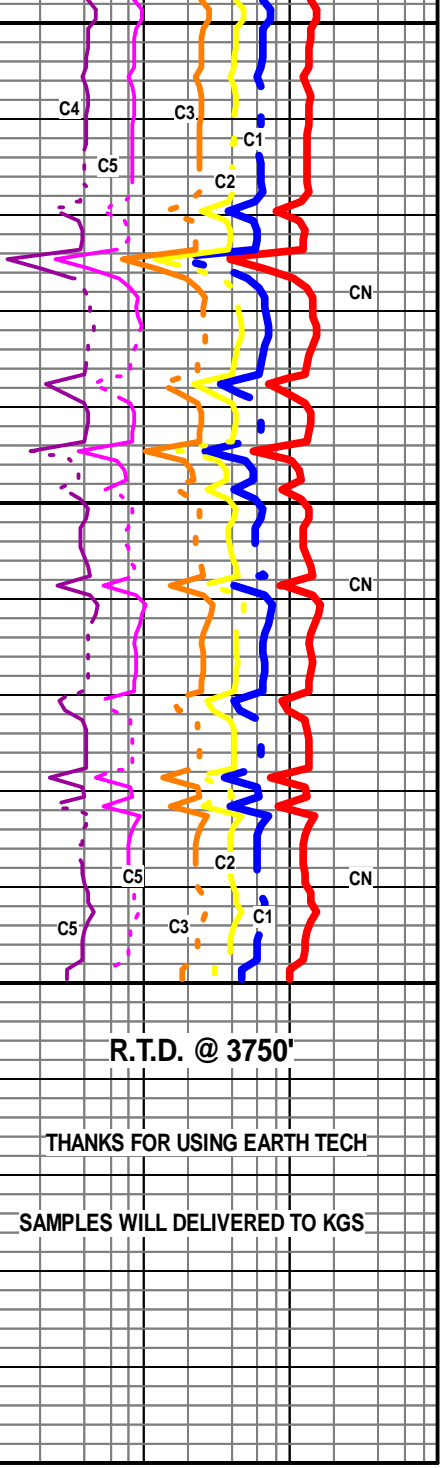
3730 TO 3750 - DOLO- OFF WHT LT TN HD DNS TO BRITT, F-XLN TO V/ CRS SUCRO MTRX ,ABDT IMBD WHT ORNG TRANSLCNT CHRT, SCAT FLDSPR, SLI TR WHT CHLK IP, DLL YEL MIN FLO IP, TR SCAT GD INTER-XLN POR IP, NO VIS SHOW OR CUT

R.T.D. @ 5.58 PM 12/10/2011

CTCH 2.0 HRS

START TOFL/ 8:00 PM 12/ 10/2011

WEATHERFORD/ LIBERAL



R.T.D. @ 3750'

THANKS FOR USING EARTH TECH

SAMPLES WILL DELIVERED TO KGS