KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1066051

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3882
Name: Samuel Gary Jr. & Associates, Inc.
Address 1: 1515 WYNKOOP, STE 700
Address 2:
City: DENVER State: CO Zip: 80202 + __ __ __ __
Contact Person: CLAYTON CAMOZZI
Phone: (303) 831-4673
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: TIM HEDRICK
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

06/29/2011	07/07/2011	07/11/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-165-21925-00-00
Spot Description:
NE - SW - NE - NW Sec. 1 Twp. 16 S. R. 16 [ ] East [x] West
940 Feet from [x] North / [ ] South Line of Section
1890 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [x] NW [ ] SE [ ] SW
County: Rush
Lease Name: WAGNER TRUST Well #: 6-1
Field Name:
Producing Formation: LANSING
Elevation: Ground: 1912 Kelly Bushing: 1920
Total Depth: 3598 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1001 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 75000 ppm Fluid volume: 400 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: TDI INC
Lease Name: DREILING B #1 License #: 4787
Quarter SW Sec. 22 Twp. 14 S. R. 16 [ ] East [x] West
County: ELLIS Permit #: D-25112

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

- [x] **Letter of Confidentiality Received**
  Date: 10/25/2011
- [x] **Confidential Release Date:** 10/24/2013
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 10/26/2011

Side Two

[redacted]

1066051

Operator Name: Samuel Gary Jr. & Associates, Inc. Lease Name: WAGNER TRUST Well #: 6-1

Sec. 1 Twp. 16 S. R. 16 ☐ East ☑ West County: Rush

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
TOPEKA	2921	-1001
HEEBNER	3147	-1227
DOUGLAS	3180	-1260
LANSING	3203	-1283
ARBUCKLE	3491	-1571
TD	3598	

CASING RECORD ☑ New ☐ 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
SURFACE	12.25	8.625	23	1001	COMMON	370	2% GEL, 3% CC
PRODUCTION	7.75	5.5	15.5	3591	QPRO	175	10% SALT, 5% GIL

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 *(Amount and Kind of Material Used)*	Depth
4	3350'-78'	500 gal of 28% MCA with 3% MAS	3350'-78'
4	3383'-86'	500 gal of 28% MCA with 3% MAS	3383'-86'
4	3452'-57'	500 gal of 28% MCA with 3% MAS	3452'-57'

TUBING RECORD: Size: 2.875 Set At: 3580 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 07/18/2011

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25		0		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
3350'-3457' OA

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

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	WAGNER TRUST 6-1
Doc ID	1066051

All Electric Logs Run

DIL
MICRO
POR
REPEAT
SONIC

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

Kansas
Corporation Commission

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

October 25, 2011

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

Re: ACO1
API 15-165-21925-00-00
WAGNER TRUST 6-1
NW/4 Sec.01-16S-16W
Rush County, Kansas

Dear Production Department:

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

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

Respectfully,
CLAYTON CAMOZZI

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

Date: 7/2/2011
Invoice # 4892

P.O.#:

Due Date: 8/1/2011
Division: *Russell*

V1107-AP-5/4 7/21

Invoice

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

Reference:
WAGNER TRUST 6-1

Description of Work:
LONG SURFACE JOB

☑ DRLG ☐ COMP ☐ W/O ☐ LOE ☐ GG

Account	8200-138
Well/Prospect	WAGNER 6-1
Deck	
AFE	
Approval	
Description	

Services / Items Included:

	Quantity	Price	Taxable
Labor		$ 977.42	No
Common-Class A	370	$ 4,831.89	Yes
8 5/8" Basket	3	$ 1,014.76	Yes
Bulk Truck Matl-Material Service Charge	390	$ 834.93	No
Calcium Chloride	13	$ 524.06	Yes
Pump Truck Mileage-Job to Nearest Camp	21	$ 224.34	No
8 5/8" Centralizer	3	$ 205.52	Yes
Flo Seal	92	$ 196.96	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	21	$ 131.28	No
Premium Gel (Bentonite)	7	$ 121.99	Yes
8 5/8" Top Rubber Plug	1	$ 113.46	Yes

Item	Quantity	Price	Taxable
Baffle Plate Aluminum, 8 5/8"	1	$96.34	Yes

Invoice Terms:
Net 30

SubTotal:	$	*9,272.94*
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	$	(1,390.94)
SubTotal for Taxable Items:	$	6,039.23
SubTotal for Non-Taxable Items:	$	1,842.77
Total:	$	7,882.00
6.30% Rush County Sales Tax Tax:	$	380.47
Amount Due:	**$**	**8,262.47**
Applied Payments:		
Balance Due:	**$**	**8,262.47**

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.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

785-483-2025
785-324-1041

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

No. 4892

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6/30/11	1	16	16	Rush	KS		7:00p

Lease Wagner Trust Well No. 6-1 Location Gorham, S to County Line, 1½ W, S into

Contractor Discovery Drilling Rig #2

Type Job Surface

Hole Size 12¼" T.D. 1023'

Csg. 8⅝" 23# Depth 1002'

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 32' Shoe Joint 32'

Meas Line Displace 61¾ Bbls.

EQUIPMENT

Pumptrk 1 No. Cementer Helper Paul

Bulktrk 13 No. Driver Driver Cisco

Bulktrk PU No. Driver Driver Cory

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Est. Circ.
Mix 370sx
Displace
Land Plug
Cement Circulated

Thank You!!

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.

Charge To Sam Gary Jr. + Associates

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 370sx Com 3% CC 2% Gel ¼# per sx Flocele

Common	370
Poz. Mix	
Gel.	7
Calcium	13
Hulls	
Salt	
Flowseal	92#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	390
Handling	
Mileage	8⅝

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	3
Baskets	3
AFU Inserts	
Float Shoe	
Latch Down	Baffle Plate + Rubber Plug
	Head + Manifold
Pumptrk Charge	Long Surface
Mileage	21
Tax	
Discount	
Total Charge	

X Signature

Date: 7/10/2011
Invoice # 5251

P.O.#:

Due Date: 8/9/2011
Division: *Russell*

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

Invoice

V1107-AP-617 7/28

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

☐ DRLG ☑ COMP ☐ W/O ☐ LOE ☐ GG

Account	8300-238
Well/Prospect	WAGNER 6-1
Deck	
AFE	
Approval	
Description	

Reference:
WAGNER TRUST 6-1

Description of Work:
PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable
Labor		$ 963.85	No
Common-Class A	225	$ 2,897.50	Yes
Gilsonite	1057	$ 1,673.58	Yes
CFL 117	176	$ 1,144.39	Yes
5 1/2" Basket	3	$ 728.33	Yes
CD-110	117	$ 494.00	Yes
5 1/2" Turbolizer	8	$ 489.78	Yes
Bulk Truck Matl-Material Service Charge	225	$ 475.00	No
Mud Clear	500	$ 390.56	Yes
Auto Fill Float Shoe, 5 1/2"	1	$ 323.00	Yes
Salt (Fine)	19	$ 279.98	Yes

Item	Quantity	Price	Taxable
Latch Down Plug & Baffle, 5 1/2"	1	$236.44	Yes
Pump Truck Mileage-Job to Nearest Camp	21	$221.22	No
Bulk Truck Mileage-Job to Nearest Bulk Plant	21	$129.45	No
Flo Seal	56	$118.22	Yes
KCL	2	$63.04	Yes

Invoice Terms:
Net 30

SubTotal:	$	*10,628.35*
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	$	(1,594.25)
SubTotal for Taxable Items:	$	7,513.00
SubTotal for Non-Taxable Items:	$	1,521.10
Total:	$	9,034.09
6.30% Rush County Sales Tax Tax:	$	473.32
Amount Due:	**$**	**9,507.41**
Applied Payments:		
Balance Due:	**$**	**9,507.41**

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.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

785-483-2025
785-324-1041

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

No. 5251

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7/7/11	1	16	16	Rush	KS		12:00pm

Lease Wagner Trust Well No. 6-1 Location Gorham, S to County Line, 1½W, S into

Contractor Discovery Drilling Rig #2

Type Job Production String

Hole Size 7⅞" T.D. 3600'

Csg. 5½" 15.50# Depth 3591'

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 22' Shoe Joint 22'

Meas Line Displace 85 Bbls.

EQUIPMENT

Pumptrk 9 No. Cementer Helper Paul

Bulktrk 10 No. Driver Driver Neale

Bulktrk PV No. Driver Driver Matt

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 sx

Mouse Hole 20 sx

Centralizers 1, 3, 5, 7, 9, 11, 13, 15

Baskets 3, 9, 15

D/V or Port Collar

Est. Circ. - 1 hour
Pump 500 gal Mud Clean #2
Plug Rat / Mouse
Mix 175 sx down 5½"
Displace
Land Plug
Float Held

Thank You!!

X Signature

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.

Charge To Samuel Gary Jr. + Associates, Inc.

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 225 sx Q-Pro-C 10% Sal 5% Gilsonite, ¼# Per Sx Flocele, 3% CD-110, .8% CF

Common .25% CAF-38 225 Q-Pro-C

Poz. Mix

~~Gel.~~ 2 gal KCL

~~Calcium~~

~~Hulls~~ CD-110 117#

Salt 19

Flowseal 56#

Kol-Seal 1057#

Mud CLR 48 500 gal. 20 Bbl. KCL

CFL-117 or CD110 CAF 38 50#

~~Sand~~ CFL-117 176#

Handling

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer 8 - Turbo

Baskets 3

AFU Inserts

Float Shoe 1

Latch Down 1

Rotating Head

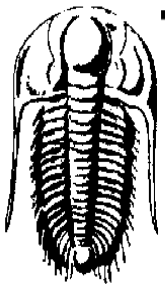
Pumptrk Charge prod Long String

Mileage 21

Tax

Discount

Total Charge



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

ATTN: Clayton Camozzi

1/16s/16w Rush KS

Wagner Trust 6-1

Start Date: 2011.07.03 @ 17:15:43

End Date: 2011.07.04 @ 00:33:13

Job Ticket #: 43502 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43502 **DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2011.07.03 @ 17:15:43

GENERAL INFORMATION:

Formation: **Lansing A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:11:13
Time Test Ended: 00:33:13

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 36

Interval: 3154.00 ft (KB) To 3216.00 ft (KB) (TVD)
Total Depth: 3216.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

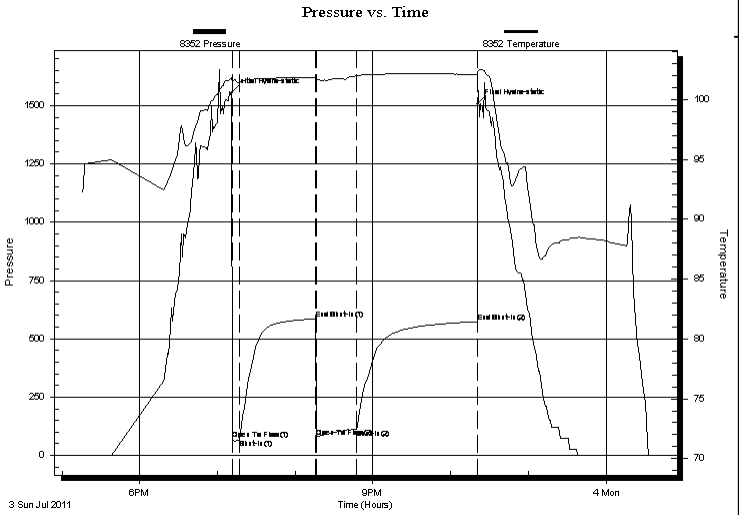
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8352 **Outside**

Press@RunDepth: 114.03 psig @ 3221.47 ft (KB)
Start Date: 2011.07.03 End Date: 2011.07.04
Start Time: 17:15:48 End Time: 00:33:12

Capacity: 8000.00 psig
Last Calib.: 2011.07.04
Time On Btm: 2011.07.03 @ 19:10:53
Time Off Btm: 2011.07.03 @ 22:20:53

TEST COMMENT: IF 5- strong blow bottom of bucket in 90 seconds (tool) slid 2' and lost 5' of mud when opening)
ISI 60- weak surface blow
FF 30- strong blow -- bottom of bucket as soon as tool opened
FSI 90- 9"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.09	101.85	Initial Hydro-static
1	67.65	101.43	Open To Flow (1)
7	69.46	101.46	Shut-In(1)
65	585.81	101.83	End Shut-In(1)
66	77.54	101.63	Open To Flow (2)
97	114.03	101.99	Shut-In(2)
190	572.84	102.11	End Shut-In(2)
190	1506.65	102.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gsy OCM 45% g 20%o 35%m	1.41
90.00	sl OCM 5%o 95%m	1.26
0.00	1400 ' gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43502 **DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2011.07.03 @ 17:15:43

GENERAL INFORMATION:

Formation: **Lansing A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:11:13
Time Test Ended: 00:33:13

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 36

Interval: 3154.00 ft (KB) To 3216.00 ft (KB) (TVD)
Total Depth: 3216.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

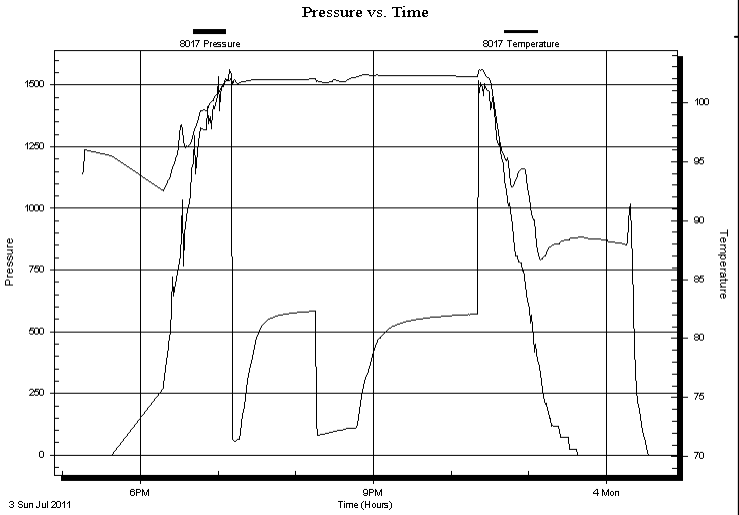
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8017 **Inside**

Press@RunDepth: psig @ 3221.47 ft (KB)
Start Date: 2011.07.03 End Date: 2011.07.04
Start Time: 17:15:27 End Time: 00:33:12

Capacity: 8000.00 psig
Last Calib.: 2011.07.04
Time On Btm:
Time Off Btm:

TEST COMMENT: IF 5- strong blow bottom of bucket in 90 seconds (tool) slid 2' and lost 5' of mud when opening)
ISI 60- weak surface blow
FF 30- strong blow -- bottom of bucket as soon as tool opened
FSI 90- 9"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gsy OCM 45% g 20%o 35%m	1.41
90.00	sl OCM 5%o 95%m	1.26
0.00	1400 ' gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43502 **DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2011.07.03 @ 17:15:43

GENERAL INFORMATION:

Formation: **Lansing A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:11:13
Time Test Ended: 00:33:13

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 36

Interval: 3154.00 ft (KB) To 3216.00 ft (KB) (TVD)
Total Depth: 3216.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

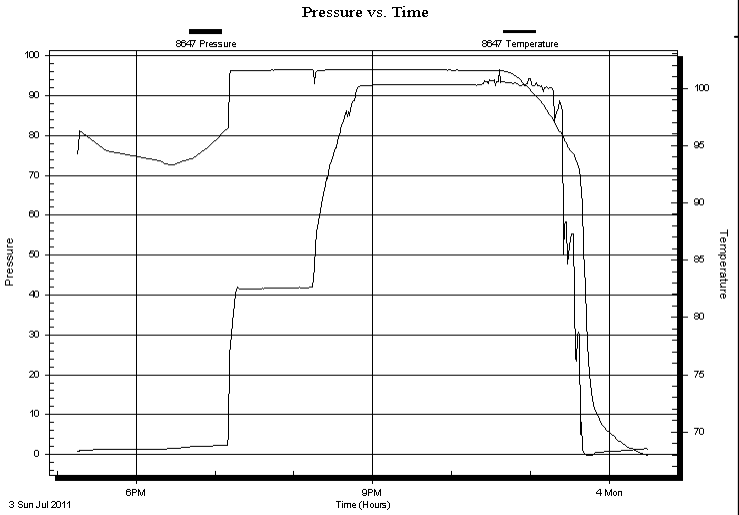
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8647 **Fluid**

Press@RunDepth: psig @ 3118.00 ft (KB)
Start Date: 2011.07.03 End Date: 2011.07.04
Start Time: 17:15:27 End Time: 00:30:42

Capacity: 8000.00 psig
Last Calib.: 2011.07.04
Time On Btm:
Time Off Btm:

TEST COMMENT: IF 5- strong blow bottom of bucket in 90 seconds (tool) slid 2' and lost 5' of mud when opening)
ISI 60- weak surface blow
FF 30- strong blow -- bottom of bucket as soon as tool opened
FSI 90- 9"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gsy OCM 45% g 20%o 35%m	1.41
90.00	sl OCM 5%o 95%m	1.26
0.00	1400 ' gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43502 **DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2011.07.03 @ 17:15:43

Tool Information

Drill Pipe:	Length:	3096.00 ft	Diameter:	3.80 inches	Volume:	43.43 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.70 inches	Volume:	- bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	- bbl	Tool Chased		2.00 ft
Drill Pipe Above KB:		8.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3154.00 ft						Final	53000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		93.47 ft							
Tool Length:		129.47 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	8647	Fluid	3118.00		
Blank Spacing	5.00			3123.00		
Shut In Tool	5.00			3128.00		
Sampler	3.00			3131.00		
Hydraulic tool	5.00			3136.00		
Jars	5.00			3141.00		
Safety Joint	3.00			3144.00		
Packer	5.00			3149.00	36.00	Bottom Of Top Packer
Packer	5.00			3154.00		
Stubb	1.00			3155.00		
Perforations	2.00			3157.00		
Change Over Sub	0.60			3157.60		
Blank Spacing	31.00			3188.60		
Change Over Sub	1.00			3189.60		
Blank Spacing	31.27			3220.87		
Change Over Sub	0.60			3221.47		
Recorder	0.00	8017	Inside	3221.47		
Recorder	0.00	8352	Outside	3221.47		
Perforations	23.00			3244.47		
Bullnose	3.00			3247.47	93.47	Bottom Packers & Anchor
Total Tool Length:	**129.47**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43502 **DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2011.07.03 @ 17:15:43

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	61.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

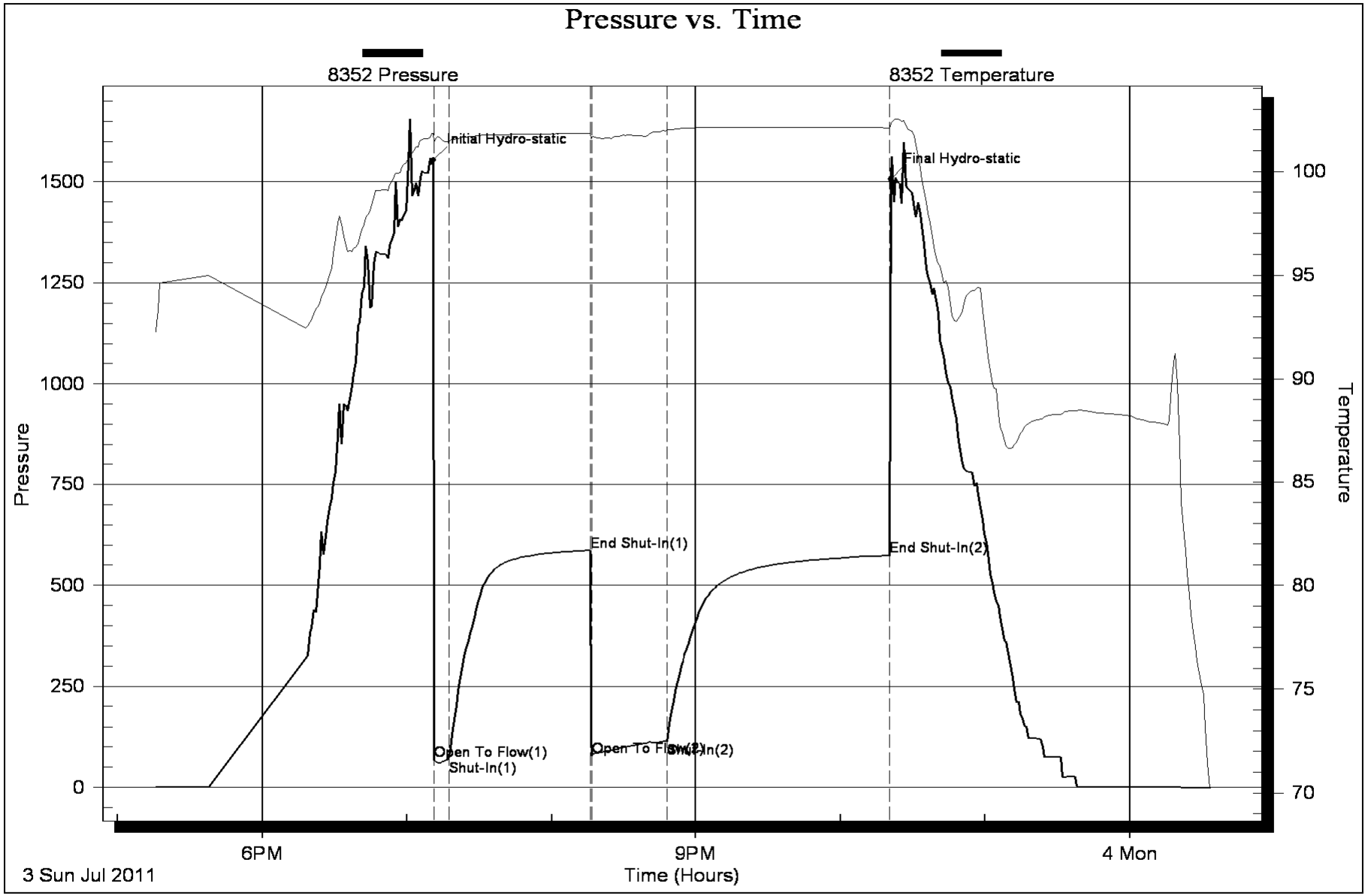
Length ft	Description	Volume bbl
120.00	gsy OCM 45% g 20%o 35%m	1.410
90.00	sl OCM 5%o 95%m	1.262
0.00	1400 ' gas in pipe	0.000

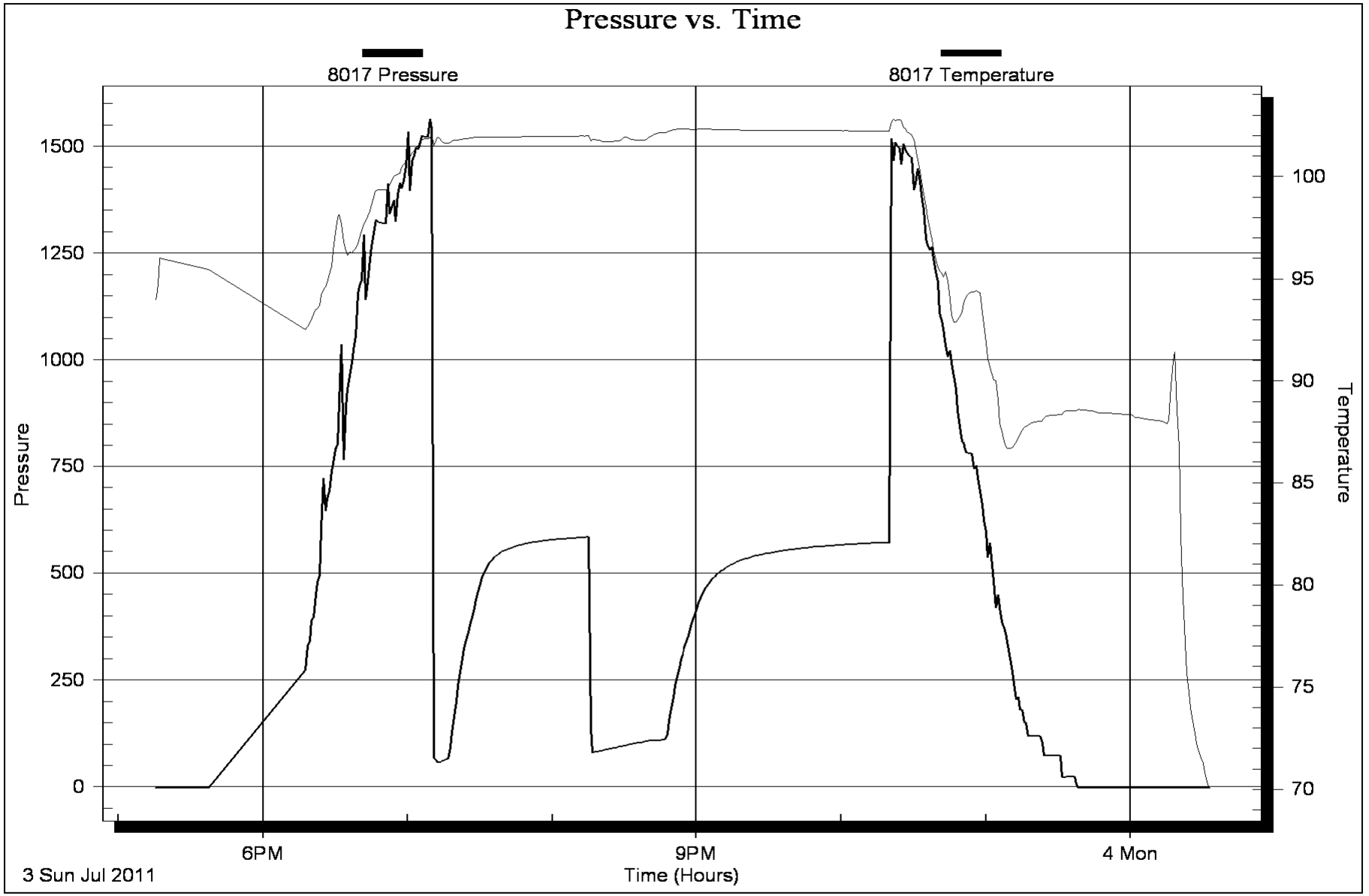
Total Length: 210.00 ft Total Volume: 2.672 bbl

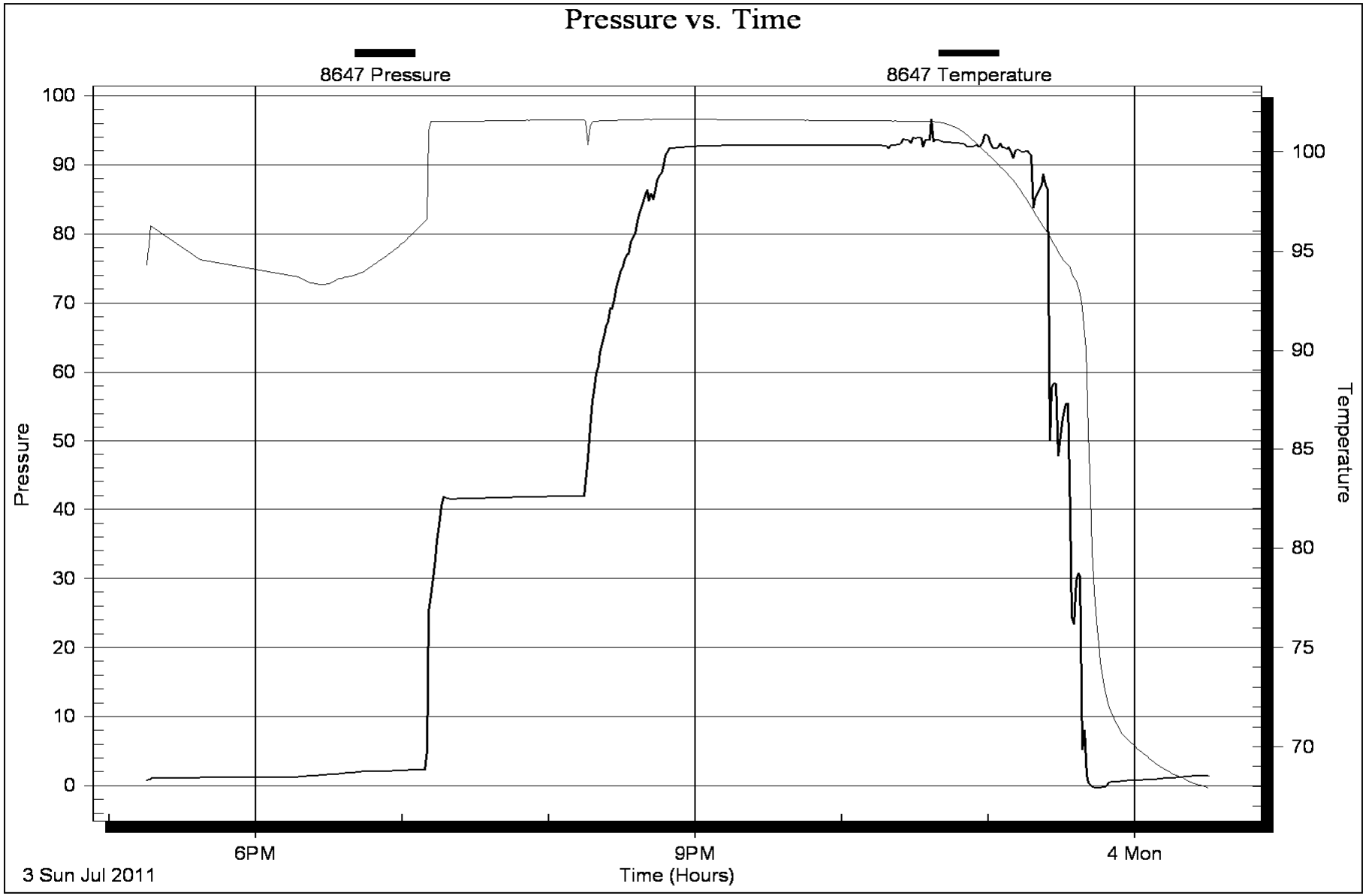
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

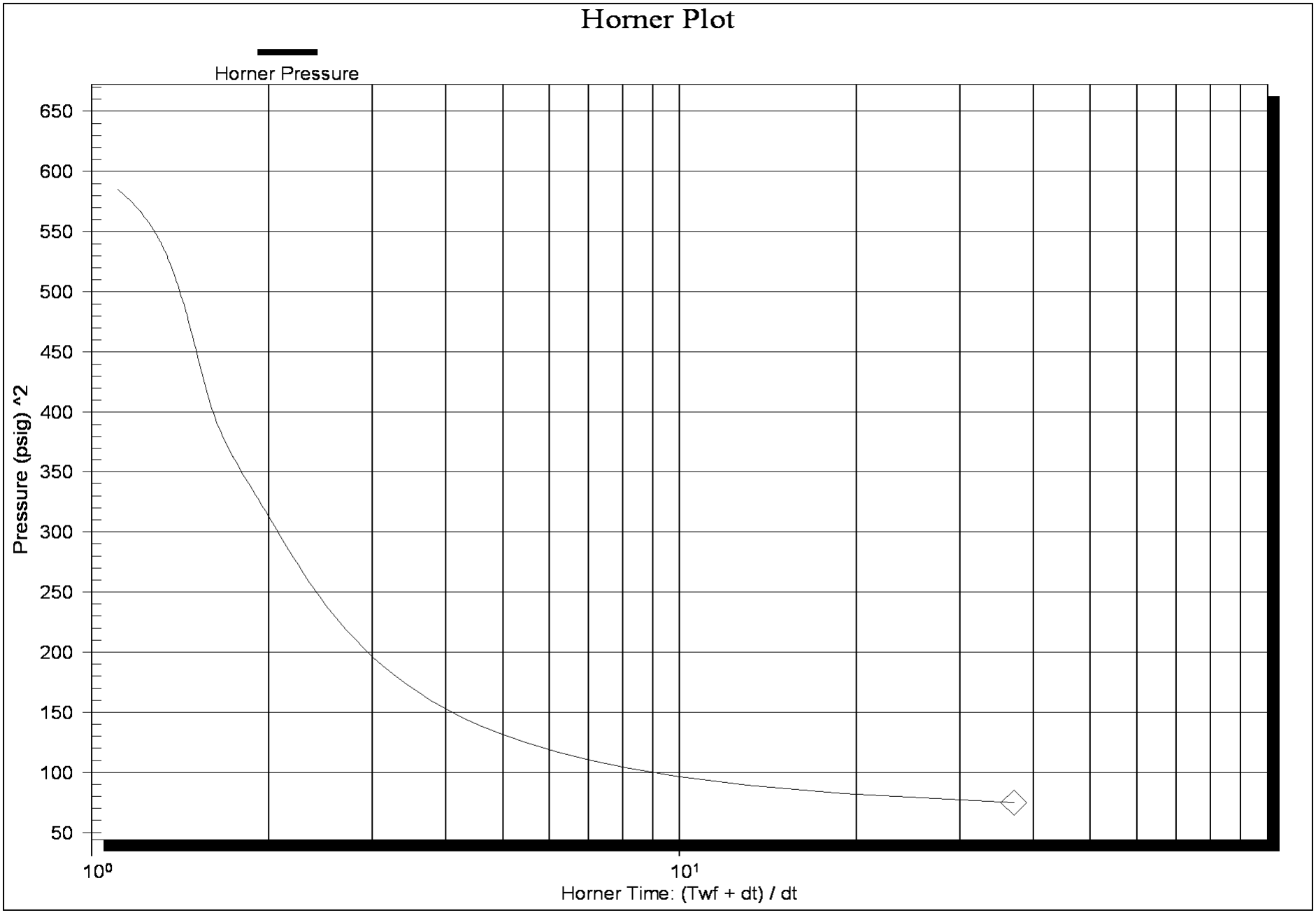
Recovery Comments: Sampler1500ml OCM 30%o 70%m 490# 3.2 cf gas


Pressure vs. Time
8352 Pressure
8352 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
6PM
9PM
4 Mon
3 Sun Jul 2011
Time (Hours)

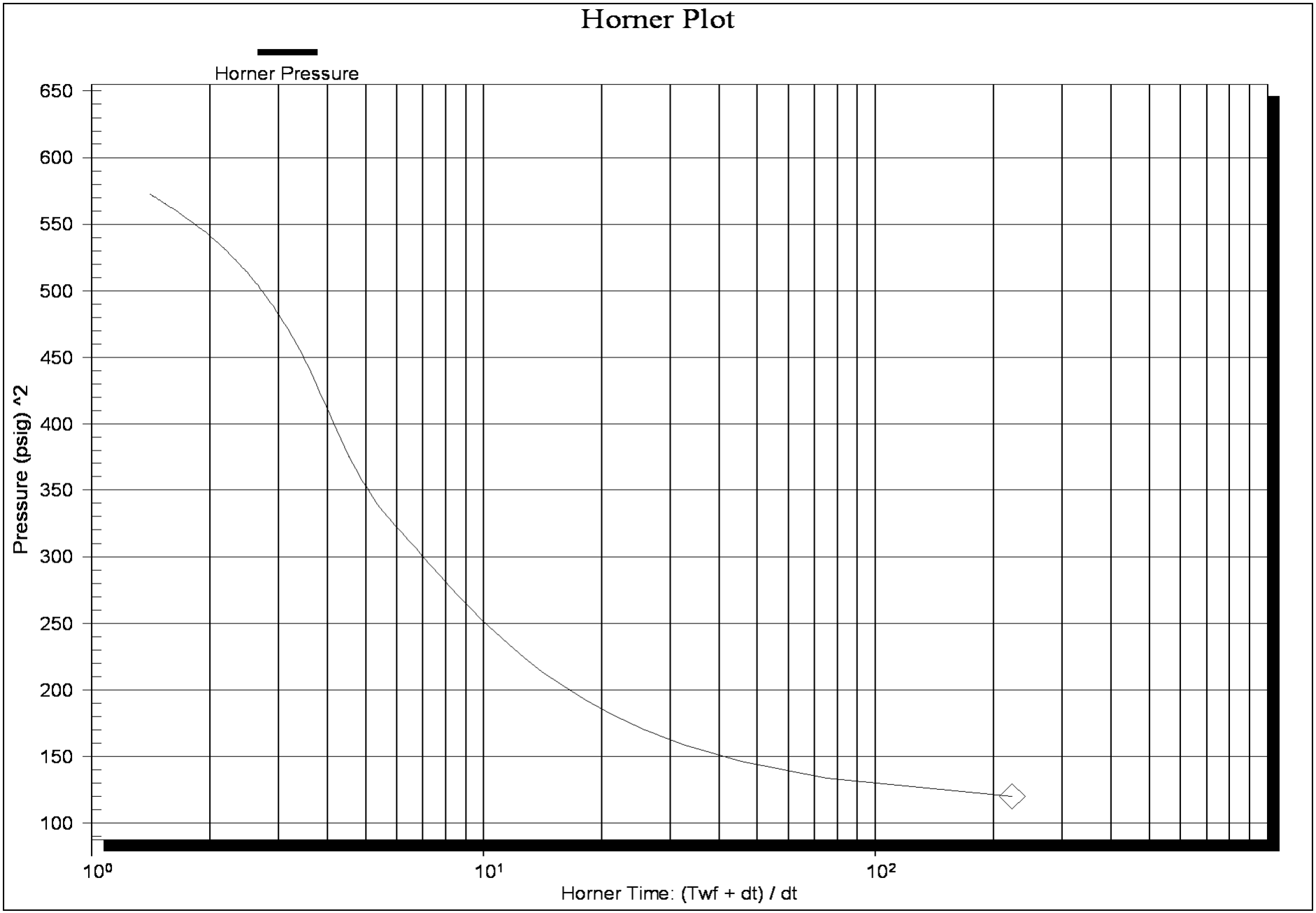

Pressure vs. Time
8017 Pressure
8017 Temperature
1500
1250
1000
750
500
250
0
Pressure
100
95
90
85
80
75
70
Temperature
6PM
9PM
4 Mon
3 Sun Jul 2011
Time (Hours)


Pressure vs. Time
8647 Pressure
8647 Temperature
Pressure
Temperature
100
90
80
70
60
50
40
30
20
10
0
100
95
90
85
80
75
70
6PM
9PM
4 Mon
3 Sun Jul 2011
Time (Hours)

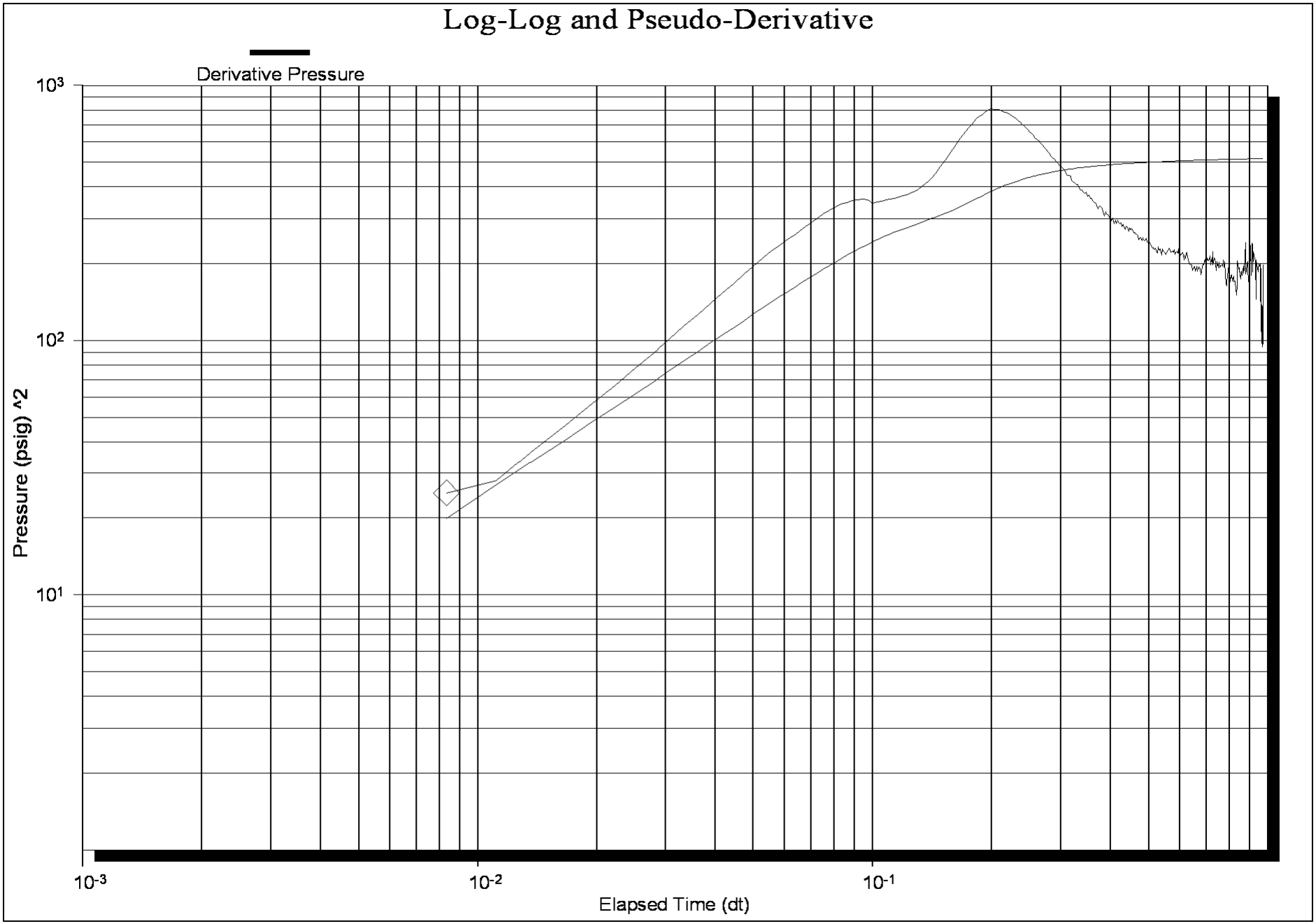
Horner Plot

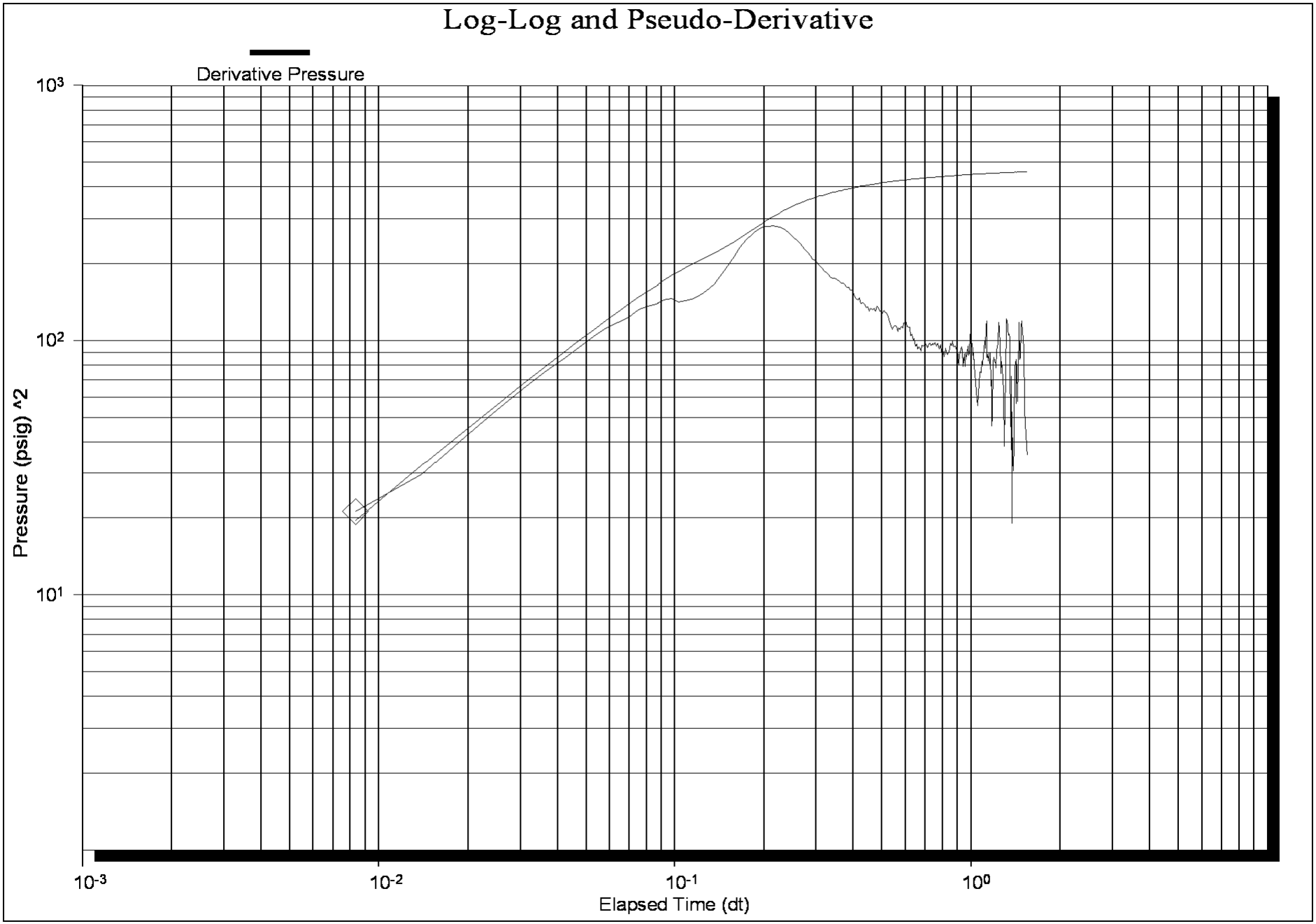


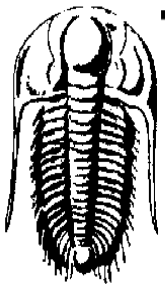
Serial Number: 8352 (Outside) P* : Slope (m) : kpa/log cycle Flow Cycle: 1



Serial Number: 8352 (Outside) P* : Slope (m) : kpa/log cycle Flow Cycle: 2


Log-Log and Pseudo-Derivative
Derivative Pressure
10³
10²
10¹
Pressure (psig) ^2
10-3
10-2
10-1
Elapsed Time (dt)


Log-Log and Pseudo-Derivative
Derivative Pressure
10³
10²
10¹
Pressure (psig) ^2
10-3
10-2
10-1
10⁰
Elapsed Time (dt)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

ATTN: Clayton Camozzi

1/16s/16w Rush KS

Wagner Trust 6-1

Start Date: 2011.07.04 @ 11:21:15

End Date: 2011.07.04 @ 18:17:24

Job Ticket #: 43503 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43503 **DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2011.07.04 @ 11:21:15

GENERAL INFORMATION:

Formation: **Lansing F & G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:53:35
Time Test Ended: 18:17:24

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 36

Interval: 3240.00 ft (KB) To 3291.00 ft (KB) (TVD)
Total Depth: 3291.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

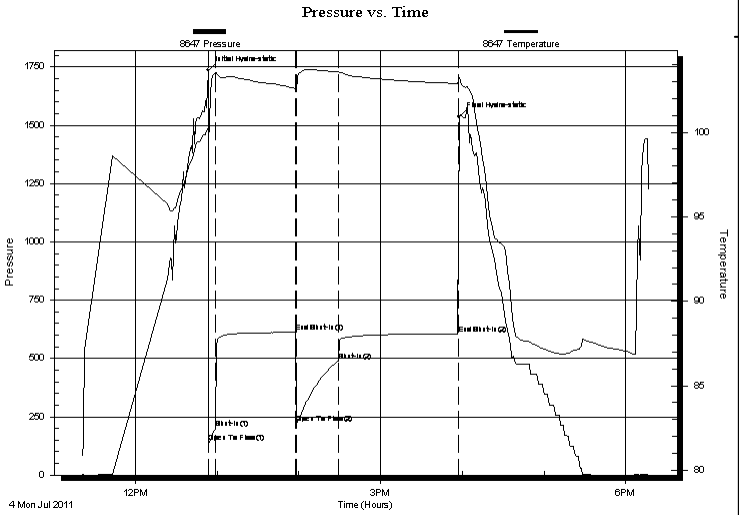
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8647 **Outside**

Press@RunDepth: 490.32 psig @ 3306.47 ft (KB)
Start Date: 2011.07.04 End Date: 2011.07.04
Start Time: 11:21:20 End Time: 18:17:24

Capacity: 8000.00 psig
Last Calib.: 2011.07.04
Time On Btm: 2011.07.04 @ 12:53:25
Time Off Btm: 2011.07.04 @ 15:57:35

TEST COMMENT: IF-5 Strong blow bottom of bucket in 90 seconds
ISI -60 no blow
FF -30 strong blow bottom of bucket in 1 minute
FSI -90 weak surface blow throughout shutin



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.61	100.26	Initial Hydro-static
1	142.59	99.47	Open To Flow (1)
6	201.92	103.52	Shut-In(1)
65	612.29	102.57	End Shut-In(1)
65	223.03	102.40	Open To Flow (2)
96	490.32	103.56	Shut-In(2)
184	606.85	102.88	End Shut-In(2)
185	1536.98	103.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	water with oil specks 90% water 10%m	5.62
590.00	gsy osmw 15%g 2%o 53%w 30%m	8.28
15.00	clean gassy oil 20%g 80%o	0.21
0.00	780 gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43503 **DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2011.07.04 @ 11:21:15

GENERAL INFORMATION:

Formation: **Lansing F & G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:53:35
Time Test Ended: 18:17:24

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 36

Interval: 3240.00 ft (KB) To 3291.00 ft (KB) (TVD)
Total Depth: 3291.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

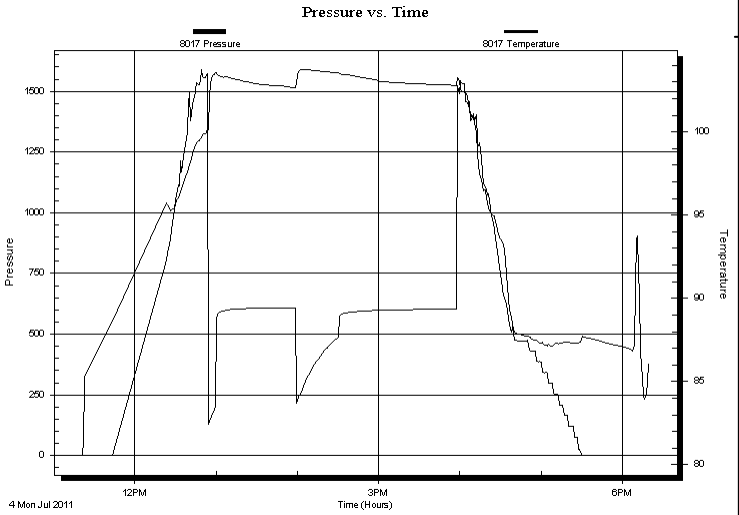
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8017 **Inside**

Press@RunDepth: psig @ 3306.47 ft (KB)
Start Date: 2011.07.04 End Date: 2011.07.04
Start Time: 11:21:29 End Time: 18:19:23

Capacity: 8000.00 psig
Last Calib.: 2011.07.04
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-5 Strong blow bottom of bucket in 90 seconds
ISI -60 no blow
FF -30 strong blow bottom of bucket in 1 minute
FSI -90 weak surface blow throughout shutin



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
420.00	water with oil specks 90% water 10%m	5.62
590.00	gsy osmw 15%g 2%o 53%w 30%m	8.28
15.00	clean gassy oil 20%g 80%o	0.21
0.00	780 gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43503 **DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2011.07.04 @ 11:21:15

GENERAL INFORMATION:

Formation: **Lansing F & G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:53:35
Time Test Ended: 18:17:24

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 36

Interval: 3240.00 ft (KB) To 3291.00 ft (KB) (TVD)
Total Depth: 3291.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

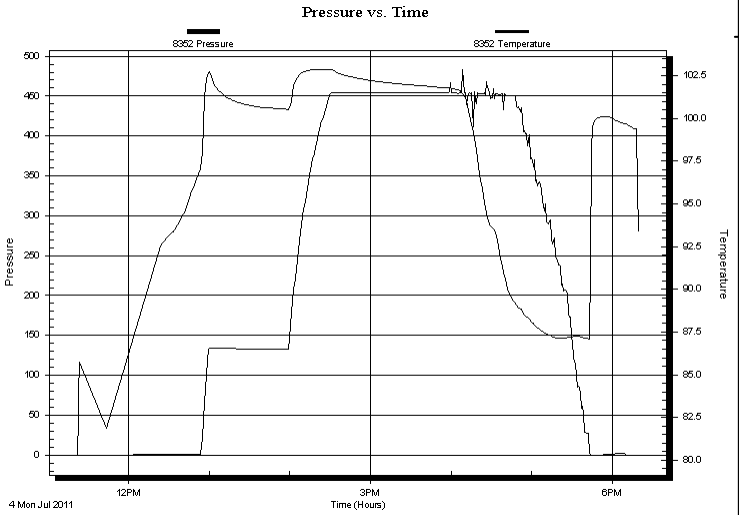
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8352 **Outside**

Press@RunDepth: psig @ 3306.47 ft (KB)
Start Date: 2011.07.04 End Date: 2011.07.04
Start Time: 11:21:48 End Time: 18:20:22

Capacity: 8000.00 psig
Last Calib.: 2011.07.04
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-5 Strong blow bottom of bucket in 90 seconds
ISI -60 no blow
FF -30 strong blow bottom of bucket in 1 minute
FSI -90 weak surface blow throughout shutin



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
420.00	water with oil specks 90% water 10%m	5.62
590.00	gsy osmw 15%g 2%o 53%w 30%m	8.28
15.00	clean gassy oil 20%g 80%o	0.21
0.00	780 gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43503 **DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2011.07.04 @ 11:21:15

Tool Information

Drill Pipe:	Length:	3190.00 ft	Diameter:	3.80 inches	Volume:	44.75 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.70 inches	Volume:	- bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		62000.00 lb
					Total Volume:	- bbl	Tool Chased		ft
Drill Pipe Above KB:		16.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3240.00 ft						Final	56000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		82.47 ft							
Tool Length:		118.47 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	8452	Fluid	3204.00		
Blank Spacing	5.00			3209.00		
Shut In Tool	5.00			3214.00		
Sampler	3.00			3217.00		
Hydraulic tool	5.00			3222.00		
Jars	5.00			3227.00		
Safety Joint	3.00			3230.00		
Packer	5.00			3235.00	36.00	Bottom Of Top Packer
Packer	5.00			3240.00		
Stubb	1.00			3241.00		
Perforations	1.00			3242.00		
Change Over Sub	0.60			3242.60		
Blank Spacing	31.00			3273.60		
Change Over Sub	1.00			3274.60		
Blank Spacing	31.27			3305.87		
Change Over Sub	0.60			3306.47		
Recorder	0.00	8017	Inside	3306.47		
Recorder	0.00	8647	Outside	3306.47		
Perforations	13.00			3319.47		
Bullnose	3.00			3322.47	82.47	Bottom Packers & Anchor
Total Tool Length:	**118.47**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43503 **DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2011.07.04 @ 11:21:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	90000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

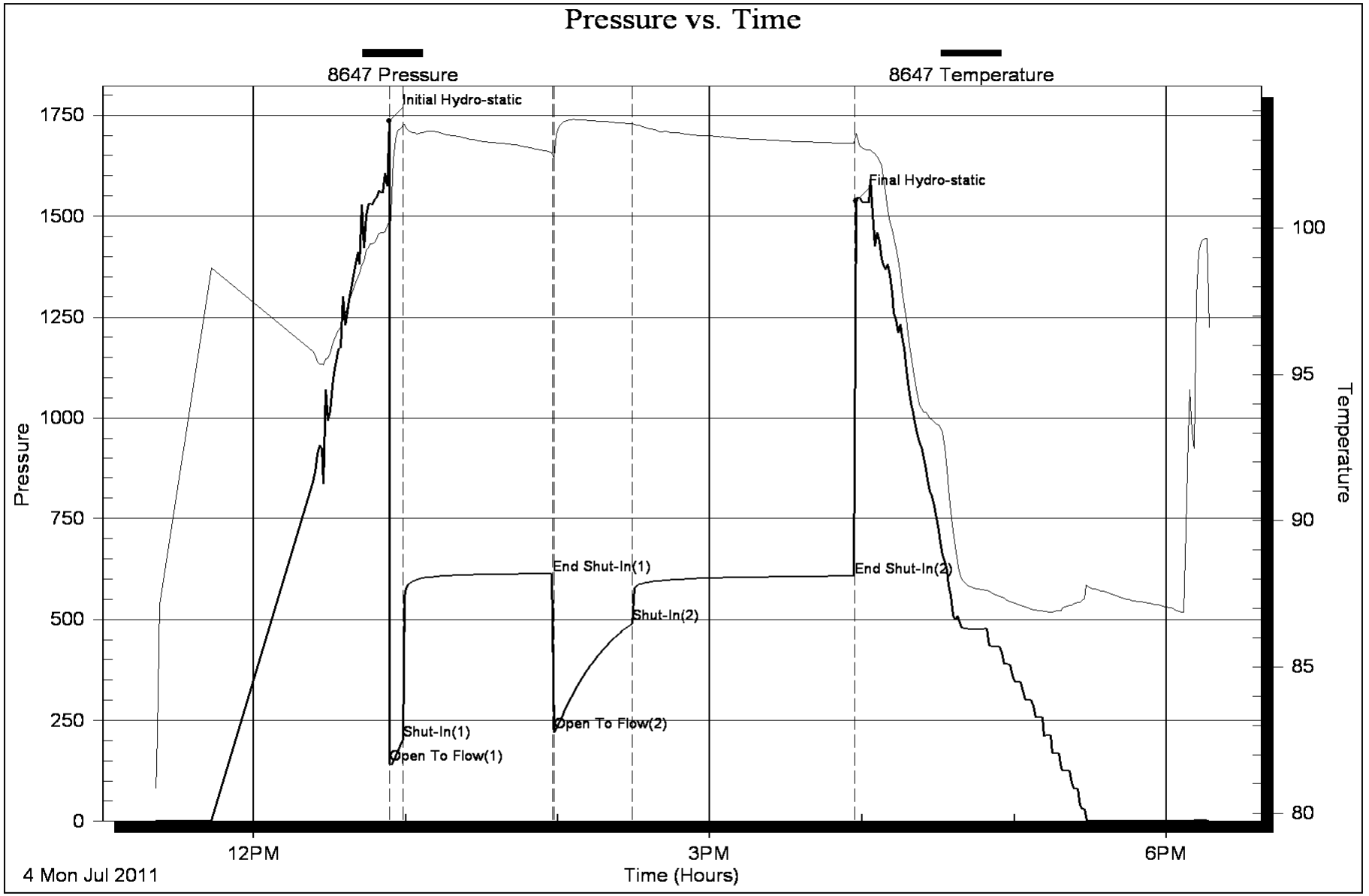
Length ft	Description	Volume bbl
420.00	water with oil specks 90% water 10%mud	5.618
590.00	gsy osmw 15%g 2%o 53%w 30%m	8.276
15.00	clean gassy oil 20%g 80%o	0.210
0.00	780 gas in pipe	0.000

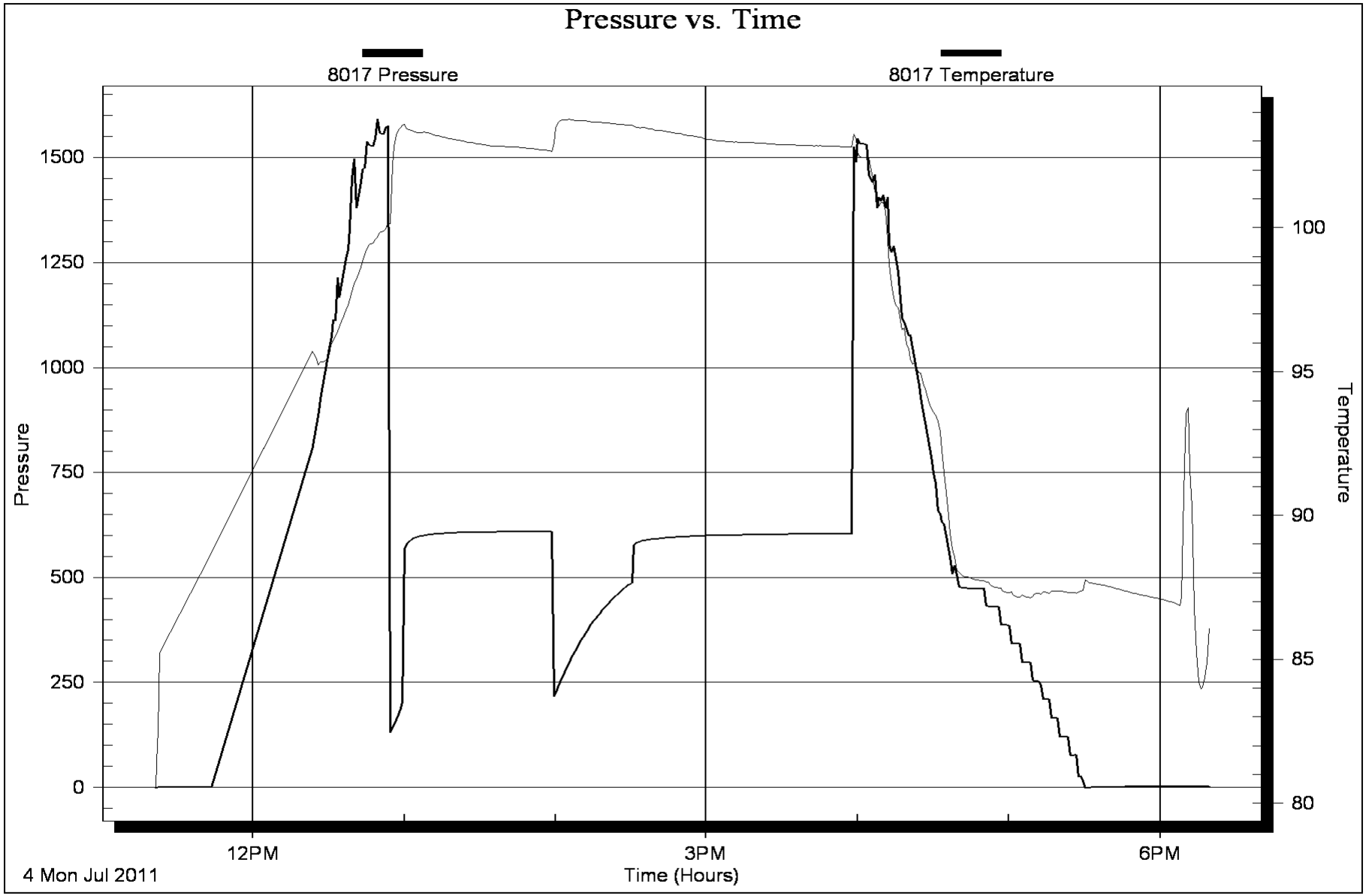
Total Length: 1025.00 ft Total Volume: 14.104 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: tool slid 2' when opening


Pressure vs. Time
8647 Pressure
8647 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
100
95
90
85
80
12PM
3PM
6PM
4 Mon Jul 2011
Time (Hours)


Pressure vs. Time
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8017 Temperature
1500
1250
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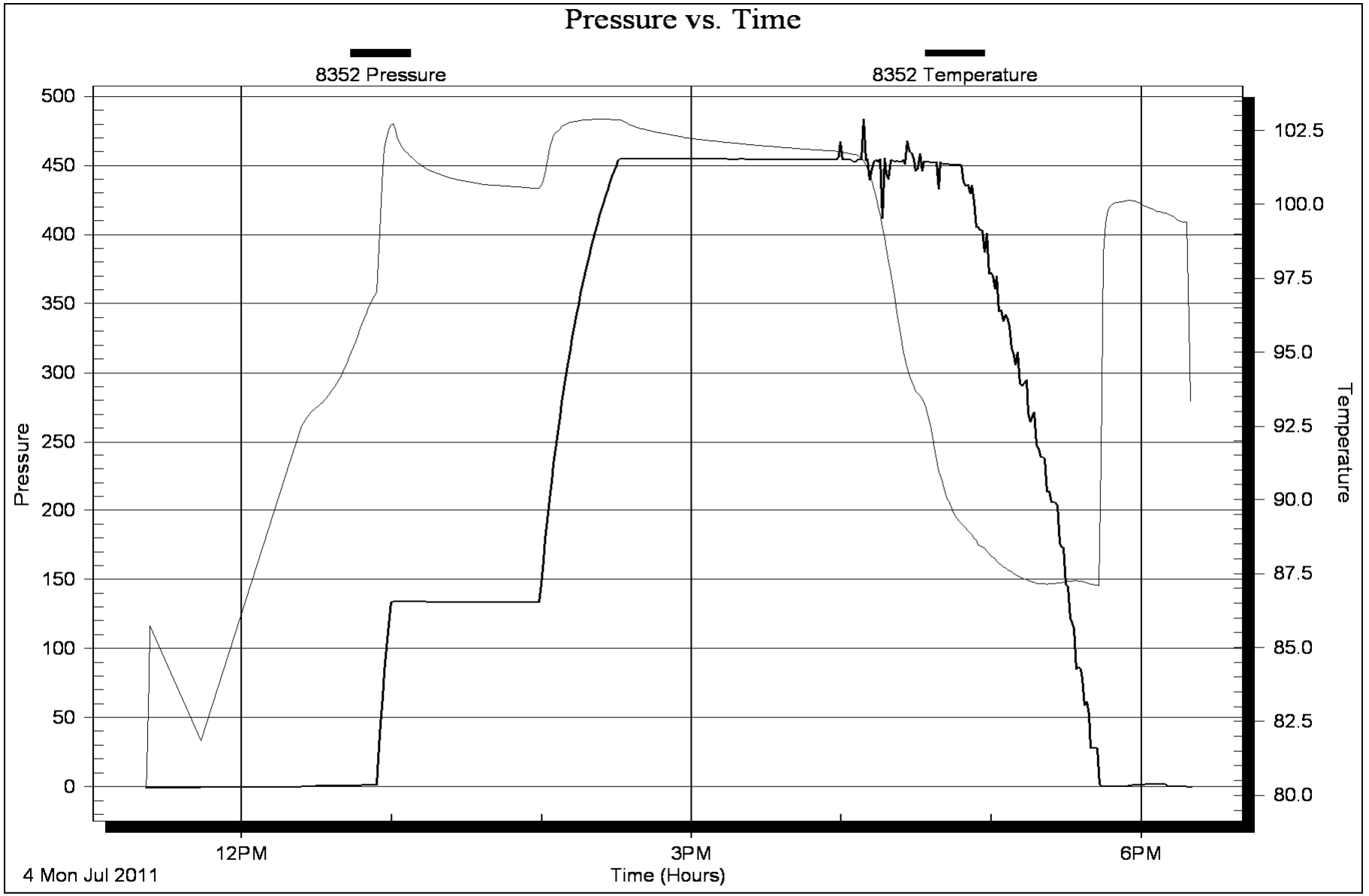
Pressure
100
95
90
85
80
Temperature
12PM
3PM
6PM
4 Mon Jul 2011
Time (Hours)


Pressure vs. Time
8352 Pressure
8352 Temperature
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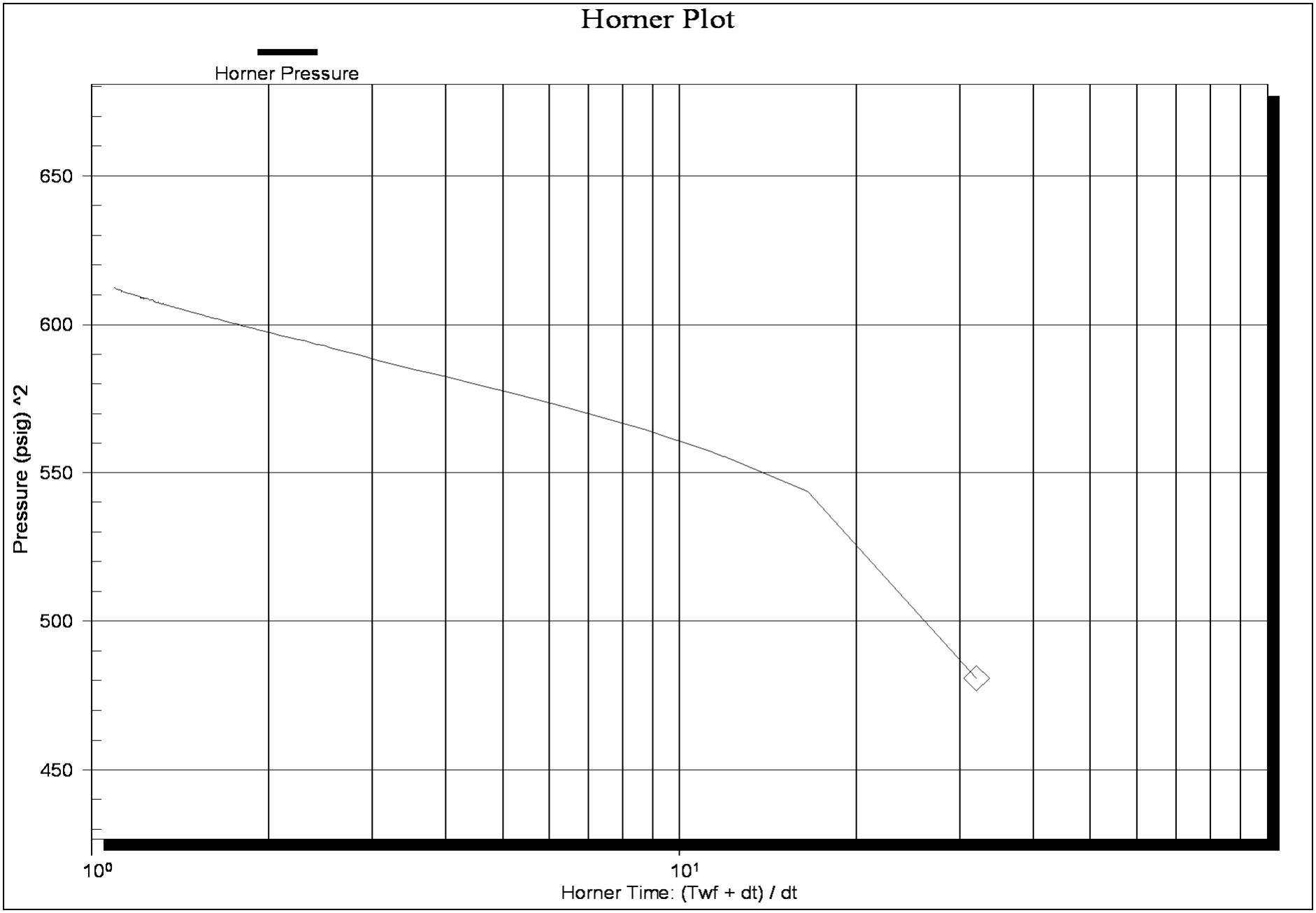
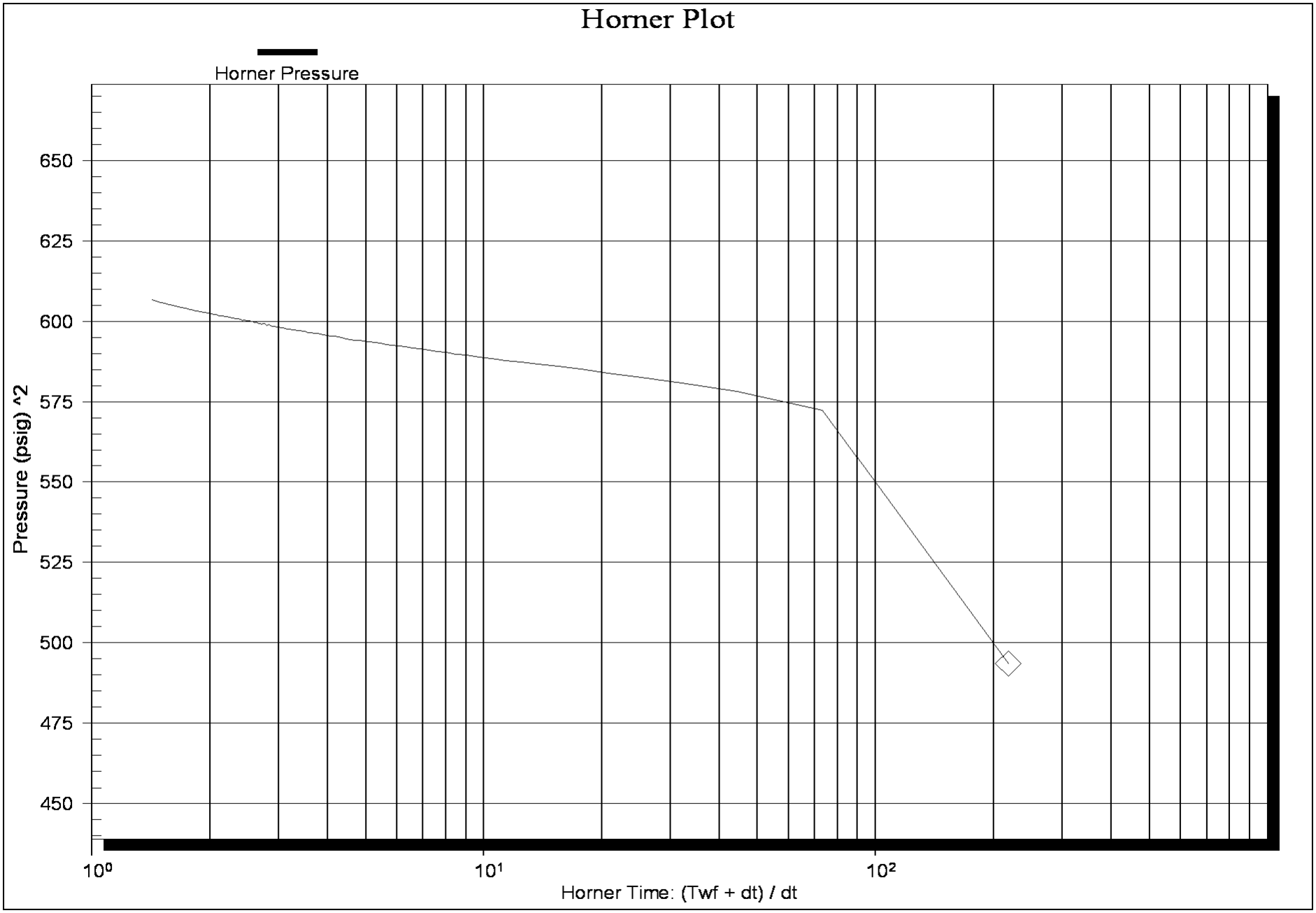
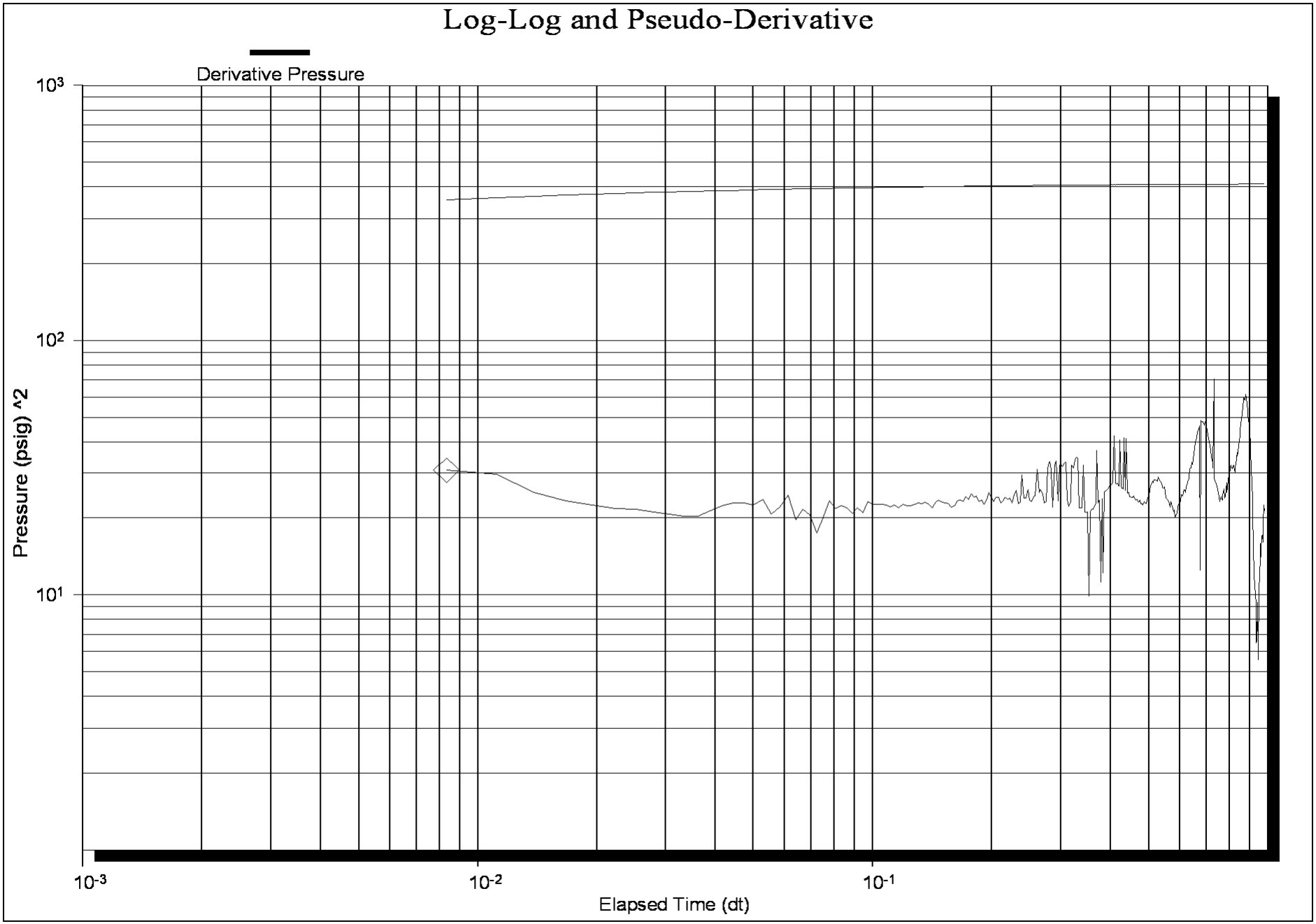
450
400
350
300
250
200
150
100
50
0
Pressure
102.5
100.0
97.5
95.0
92.5
90.0
87.5
85.0
82.5
80.0
Temperature
12PM
3PM
6PM
4 Mon Jul 2011
Time (Hours)

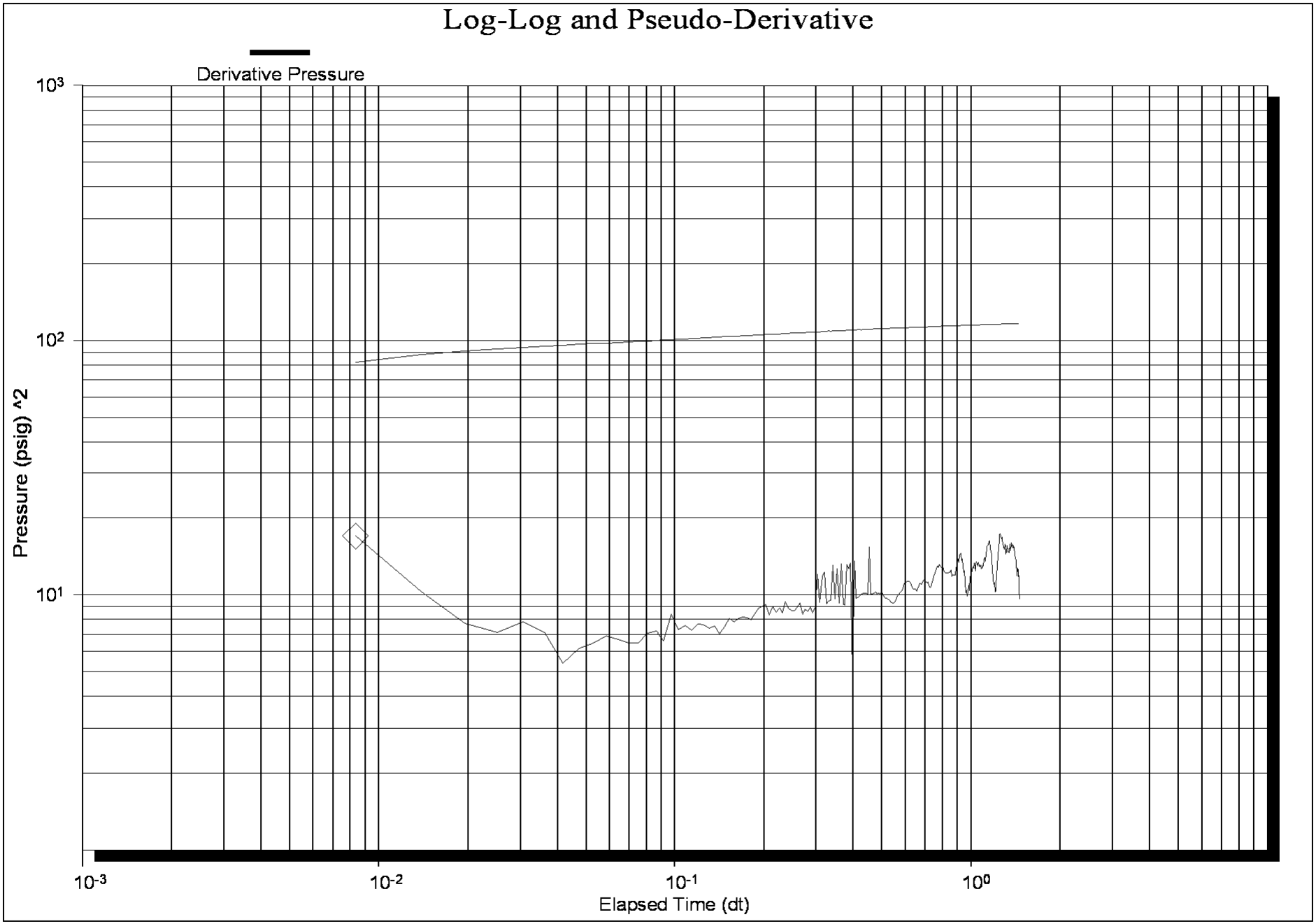


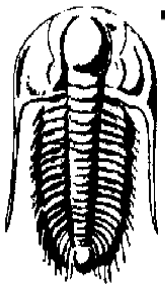
Serial Number: 8647 (Outside) P* : Slope (m) : kpa/log cycle Flow Cycle: 1



Serial Number: 8647 (Outside) P* : Slope (m) : kpa/log cycle Flow Cycle: 2


Log-Log and Pseudo-Derivative
Derivative Pressure
10³
10²
10¹
Pressure (psig) ^2
10-3
10-2
10-1
Elapsed Time (dt)


Log-Log and Pseudo-Derivative
Derivative Pressure
10^3
10^2
10^1
Pressure (psig) ^2
10^-3
10^-2
10^-1
10^0
Elapsed Time (dt)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

ATTN: Clayton Camozzi

1/16s/16w Rush KS

Wagner Trust 6-1

Start Date: 2011.07.05 @ 05:02:05

End Date: 2011.07.05 @ 12:32:09

Job Ticket #: 43504 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43504 **DST#: 3**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 05:02:05

GENERAL INFORMATION:

Formation: **LKC"I,J,K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 12:32:09

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39

Interval: 3336.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

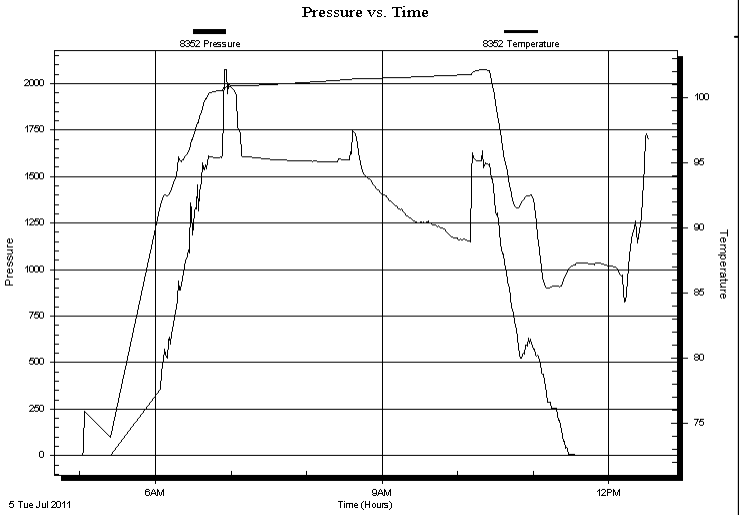
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8352 **Outside**

Press@RunDepth: psig @ 3384.00 ft (KB)
Start Date: 2011.07.05 End Date: 2011.07.05
Start Time: 05:02:05 End Time: 12:32:10

Capacity: 8000.00 psig
Last Calib.: 2011.07.05
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(10min) Weak, Surface Blow
IS:(80min) No Return
FF:(15min) No Blow , Flushed Tool, Surge, No Blow
FS:(90min) No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43504 **DST#: 3**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 05:02:05

GENERAL INFORMATION:

Formation: **LKC"I,J,K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 12:32:09

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39

Interval: 3336.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

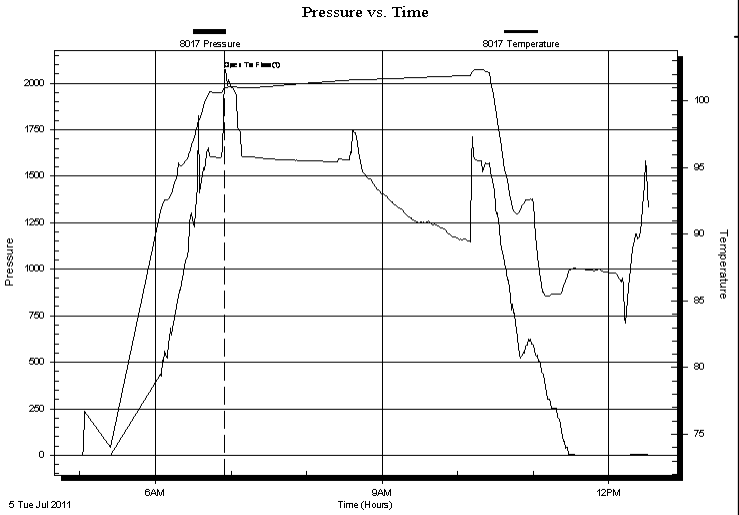
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8017 **Inside**

Press@RunDepth: psig @ 3384.00 ft (KB)
Start Date: 2011.07.05 End Date: 2011.07.05
Start Time: 05:02:05 End Time: 12:32:10

Capacity: 8000.00 psig
Last Calib.: 2011.07.05
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(10min) Weak, Surface Blow
IS:(80min) No Return
FF:(15min) No Blow , Flushed Tool, Surge, No Blow
FS:(90min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2073.67	100.97	Open To Flow (1)

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43504 **DST#: 3**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 05:02:05

GENERAL INFORMATION:

Formation: **LKC"I,J,K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 12:32:09

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39

Interval: 3336.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

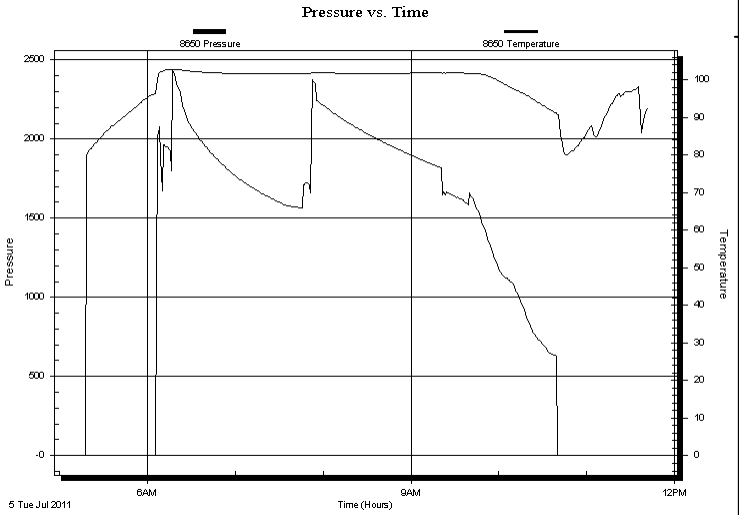
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8650 **Fluid**

Press@RunDepth: psig @ 3311.00 ft (KB)
Start Date: 2011.07.05 End Date: 2011.07.05
Start Time: 05:15:40 End Time: 11:43:00

Capacity: 8000.00 psig
Last Calib.: 2011.07.05
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(10min) Weak, Surface Blow
IS:(80min) No Return
FF:(15min) No Blow , Flushed Tool, Surge, No Blow
FS:(90min) No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43504 **DST#: 3**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 05:02:05

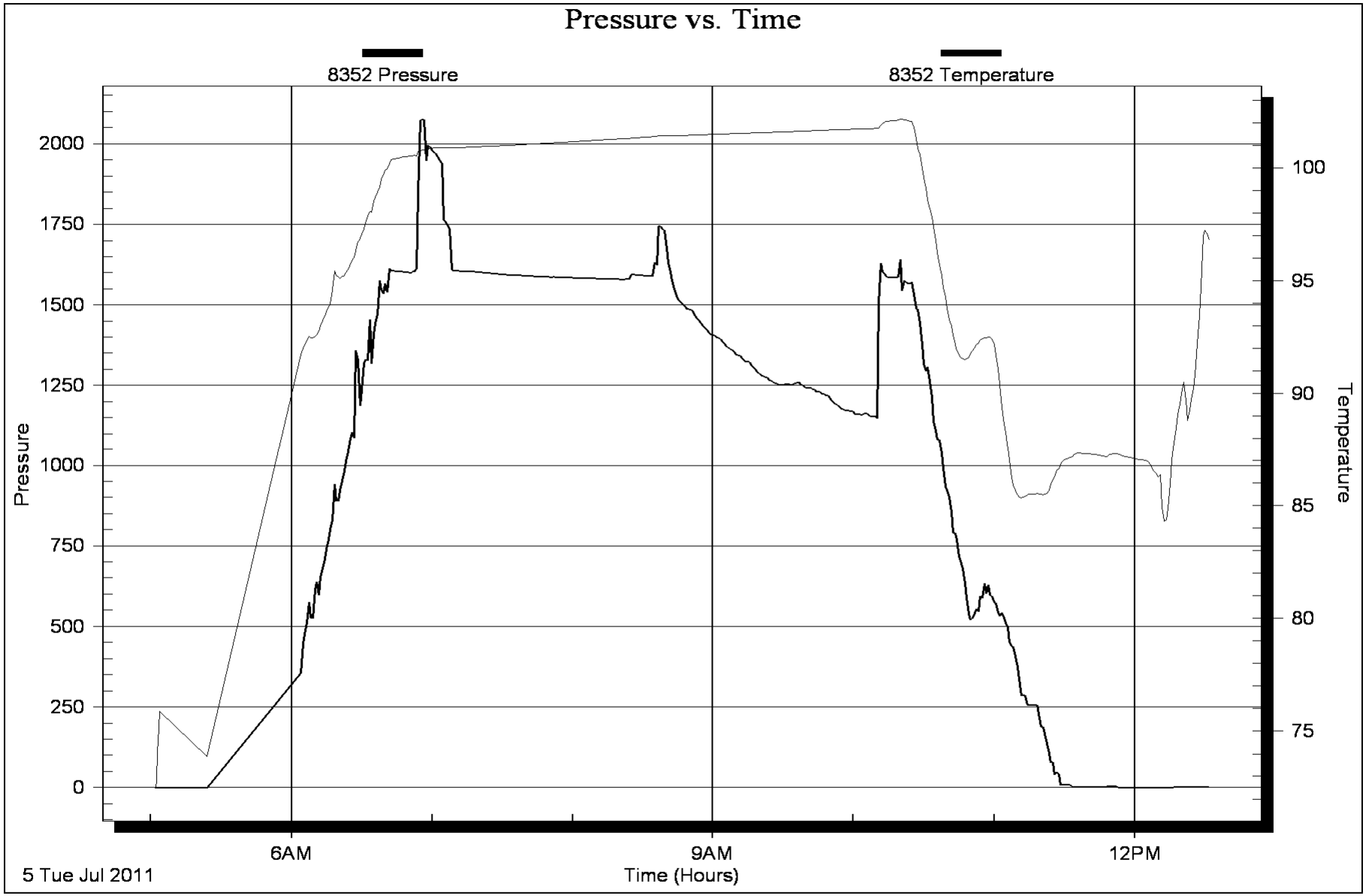
Tool Information

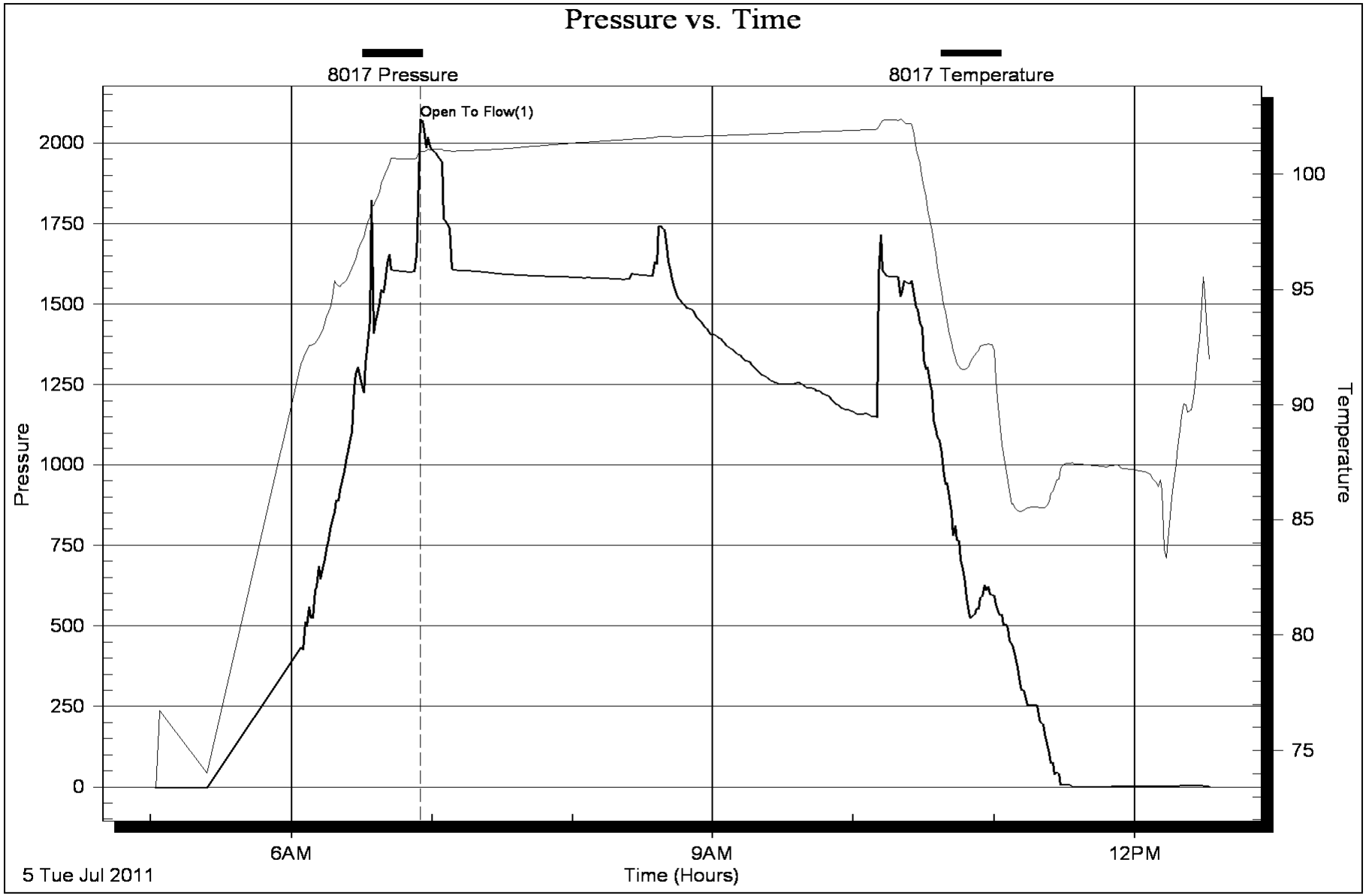
Drill Pipe:	Length:	3296.00 ft	Diameter:	3.80 inches	Volume:	46.23 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		24000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	46.38 bbl	Tool Chased		15.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	54000.00 lb
Depth to Top Packer:		3346.00 ft						Final	54000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		54.00 ft							
Tool Length:		89.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

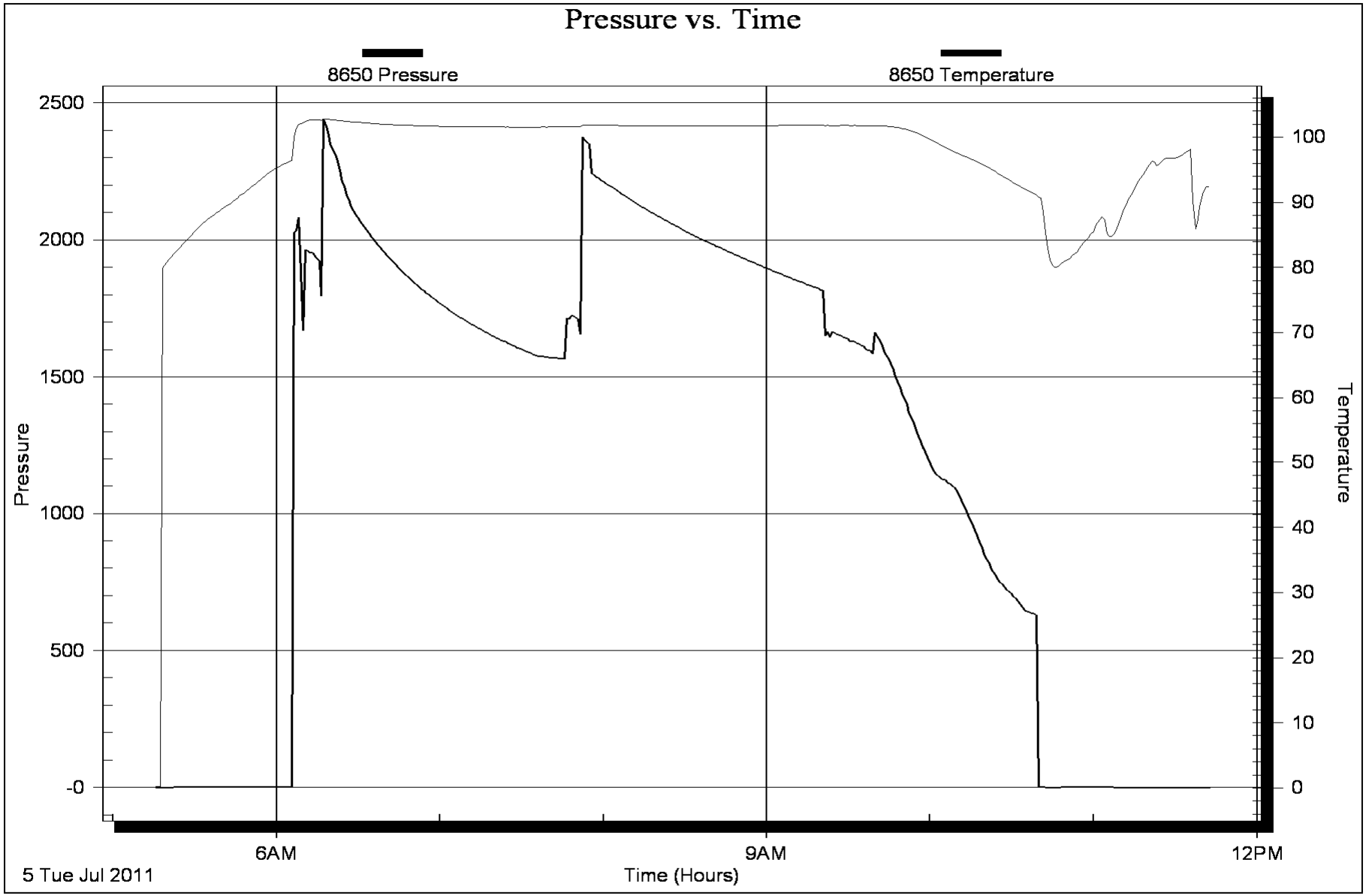
Tool Comments:

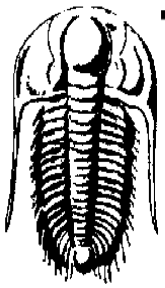
Hit Bridges 300ft From8650 Bottom. Slid 15ft = Misrun

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Recorder	0.00	8650	Fluid	3311.00		
Blank Spacing	5.00			3316.00		
Shut In Tool	5.00			3321.00		
Sampler	3.00			3324.00		
Hydraulic tool	5.00			3329.00		
Jars	5.00			3334.00		
Safety Joint	3.00			3337.00		
Packer	5.00			3342.00	35.00	Bottom Of Top Packer
Packer	4.00			3346.00		
Stubb	1.00			3347.00		
Perforations	4.00			3351.00		
Change Over Sub	1.00			3352.00		
Blank Spacing	31.00			3383.00		
Change Over Sub	1.00			3384.00		
Recorder	0.00	8017	Inside	3384.00		
Recorder	0.00	8352	Outside	3384.00		
Perforations	13.00			3397.00		
Bullnose	3.00			3400.00	54.00	Bottom Packers & Anchor
Total Tool Length:	**89.00**					


Pressure vs. Time
8352 Pressure
8352 Temperature
2000
1750
1500
1250
1000
750
500
250
0
Pressure
100
95
90
85
80
75
Temperature
6AM
9AM
12PM
5 Tue Jul 2011
Time (Hours)


Pressure vs. Time
8017 Pressure
8017 Temperature
Open To Flow(1)
2000
1750
1500
1250
1000
750
500
250
0
Pressure
100
95
90
85
80
75
Temperature
6AM
9AM
12PM
5 Tue Jul 2011
Time (Hours)


Pressure vs. Time
8650 Pressure
8650 Temperature
2500
2000
1500
1000
500
-0
Pressure
100
90
80
70
60
50
40
30
20
10
0
Temperature
6AM
9AM
12PM
5 Tue Jul 2011
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

ATTN: Clayton Camozzi

1/16s/16w Rush KS

Wagner Trust 6-1

Start Date: 2011.07.05 @ 18:01:39

End Date: 2011.07.06 @ 01:32:39

Job Ticket #: 43505 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43505 **DST#: 4**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 18:01:39

GENERAL INFORMATION:

Formation: **Lansing IJK**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:44:29
Time Test Ended: 01:32:39

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 39

Interval: 3336.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3216.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

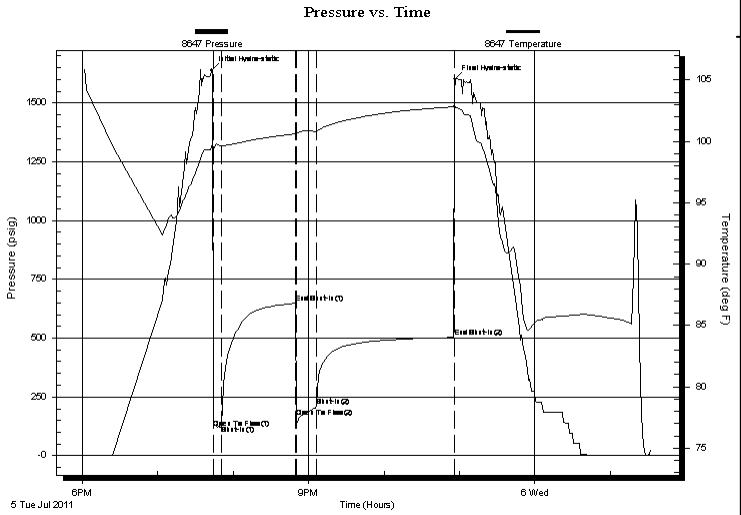
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8647 **Outside**

Press@RunDepth: 210.02 psig @ 3403.47 ft (KB)
Start Date: 2011.07.05 End Date: 2011.07.06
Start Time: 18:01:44 End Time: 01:32:38

Capacity: 8000.00 psig
Last Calib.: 2011.07.06
Time On Btm: 2011.07.05 @ 19:42:59
Time Off Btm: 2011.07.05 @ 22:56:09

TEST COMMENT: IF 5 Strong blow - bottom bucket in 30 seconds
ISI 60 strong blow bottom of bucket in 3 minutes
FF 16 strong blow bottom in 1 minute GTS in 20 min TSTM
FSI-110 strong blow bottom of bucket in 3 minu



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.91	99.53	Initial Hydro-static
2	117.53	99.12	Open To Flow (1)
8	127.88	99.65	Shut-In(1)
67	648.33	100.62	End Shut-In(1)
68	163.72	100.54	Open To Flow (2)
84	210.02	100.86	Shut-In(2)
193	502.80	102.83	End Shut-In(2)
194	1601.46	103.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gassy oil 20% gas 80% oil	1.41
300.00	gassy W&MCO 10%g 80%o 5%w 5%m	4.21
60.00	mco 50%o 50%m	0.84

Gas Rates

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

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43505 **DST#: 4**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 18:01:39

GENERAL INFORMATION:

Formation: **Lansing IJK**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:44:29
Time Test Ended: 01:32:39

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 39

Interval: 3336.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3216.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

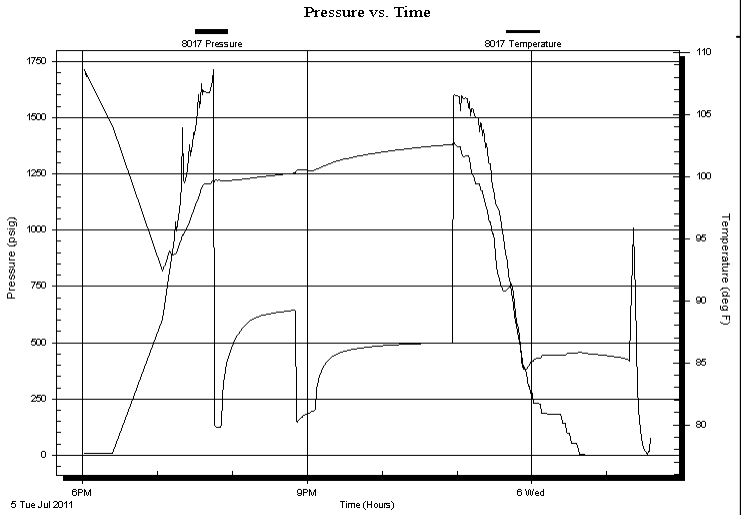
Reference Elevations: 1920.00 ft (KB)
1912.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8017 **Inside**

Press@RunDepth: psig @ 3403.47 ft (KB)
Start Date: 2011.07.05 End Date: 2011.07.06
Start Time: 18:01:34 End Time: 01:35:19

Capacity: 8000.00 psig
Last Calib.: 2011.07.06
Time On Btm:
Time Off Btm:

TEST COMMENT: IF 5 Strong blow - bottom bucket in 30 seconds
ISI 60 strong blow bottom of bucket in 3 minutes
FF 16 strong blow bottom in 1 minute GTS in 20 min TSTM
FSI-110 strong blow bottom of bucket in 3 minu



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gassy oil 20% gas 80% oil	1.41
300.00	gassy W&MCO 10%g 80%o 5%w 5%m	4.21
60.00	mco 50%o 50%m	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43505 **DST#: 4**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 18:01:39

Tool Information

Drill Pipe:	Length:	3283.00 ft	Diameter:	3.80 inches	Volume:	46.05 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.70 inches	Volume:	- bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		58000.00 lb
					Total Volume:	- bbl	Tool Chased		6.00 ft
Drill Pipe Above KB:		13.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3336.00 ft						Final	54000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		93.47 ft							
Tool Length:		129.47 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Blank Spacing	5.00			3305.00		
Shut In Tool	5.00			3310.00		
Sampler	3.00			3313.00		
Hydraulic tool	5.00			3318.00		
Jars	5.00			3323.00		
Safety Joint	3.00			3326.00		
Packer	5.00			3331.00	36.00	Bottom Of Top Packer
Packer	5.00			3336.00		
Stubb	1.00			3337.00		
Perforations	2.00			3339.00		
Change Over Sub	0.60			3339.60		
Blank Spacing	31.00			3370.60		
Change Over Sub	1.00			3371.60		
Blank Spacing	31.27			3402.87		
Change Over Sub	0.60			3403.47		
Recorder	0.00	8017	Inside	3403.47		
Recorder	0.00	8647	Outside	3403.47		
Perforations	23.00			3426.47		
Bullnose	3.00			3429.47	93.47	Bottom Packers & Anchor
Total Tool Length:	**129.47**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Associates

Wagner Trust 6-1

1/16s/16w Rush KS

Job Ticket: 43505 **DST#: 4**

ATTN: Clayton Camozzi

Test Start: 2011.07.05 @ 18:01:39

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	32 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

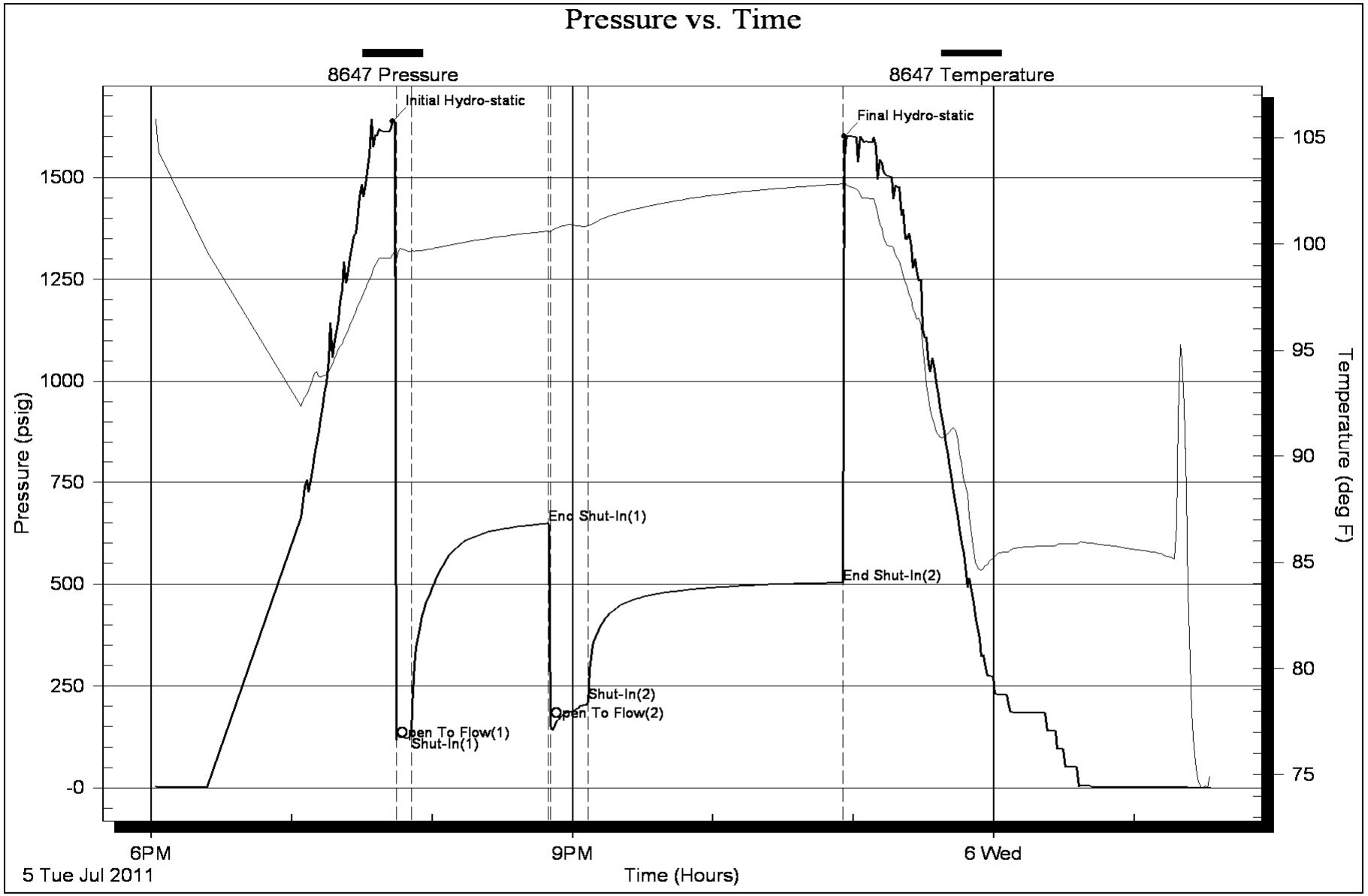
Length ft	Description	Volume bbl
120.00	gassy oil 20% gas 80% oil	1.410
300.00	gassy W&MCO 10%g 80%o 5%w 5%m	4.208
60.00	mco 50%o 50%m	0.842

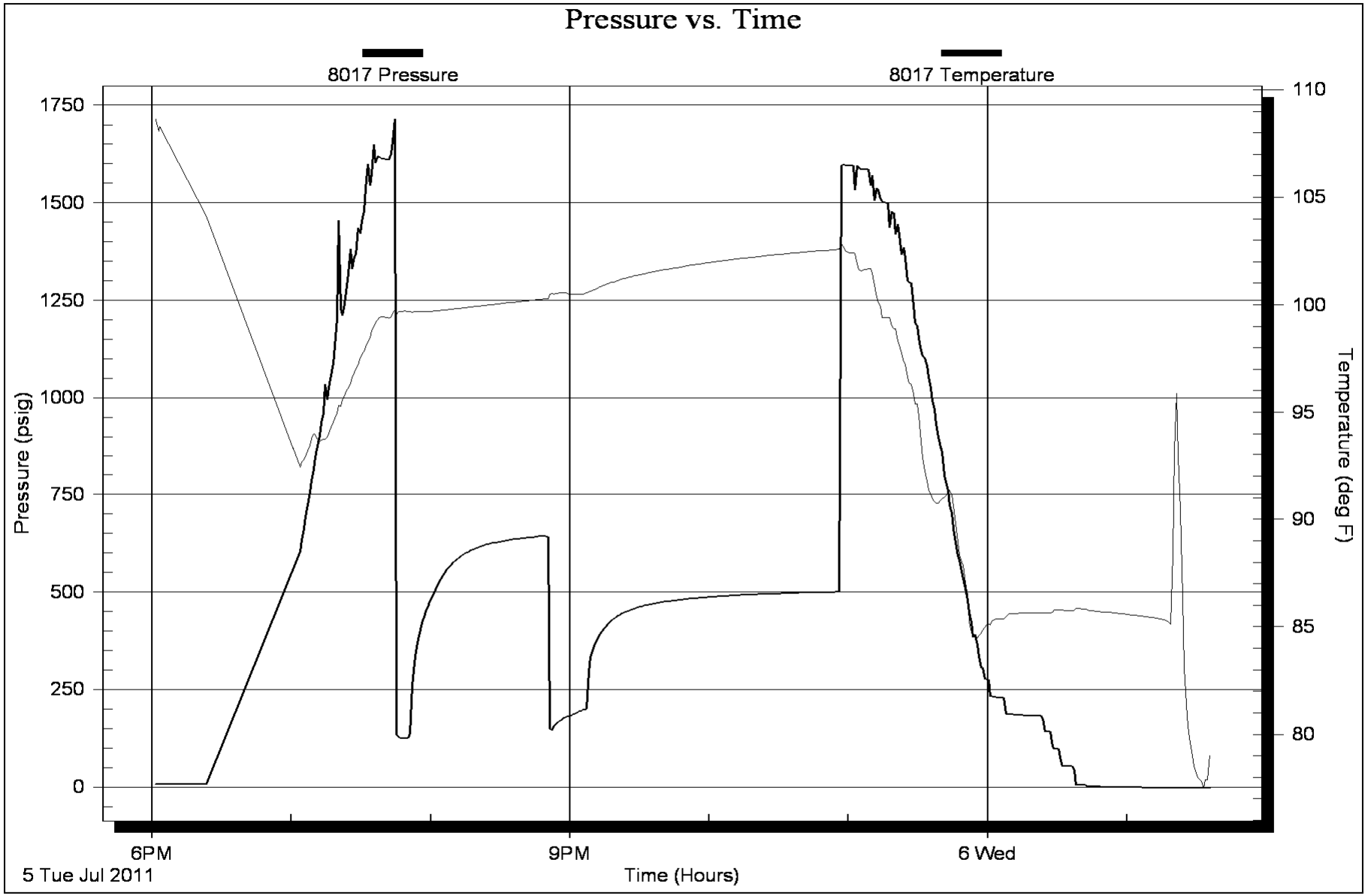
Total Length: 480.00 ft Total Volume: 6.460 bbl

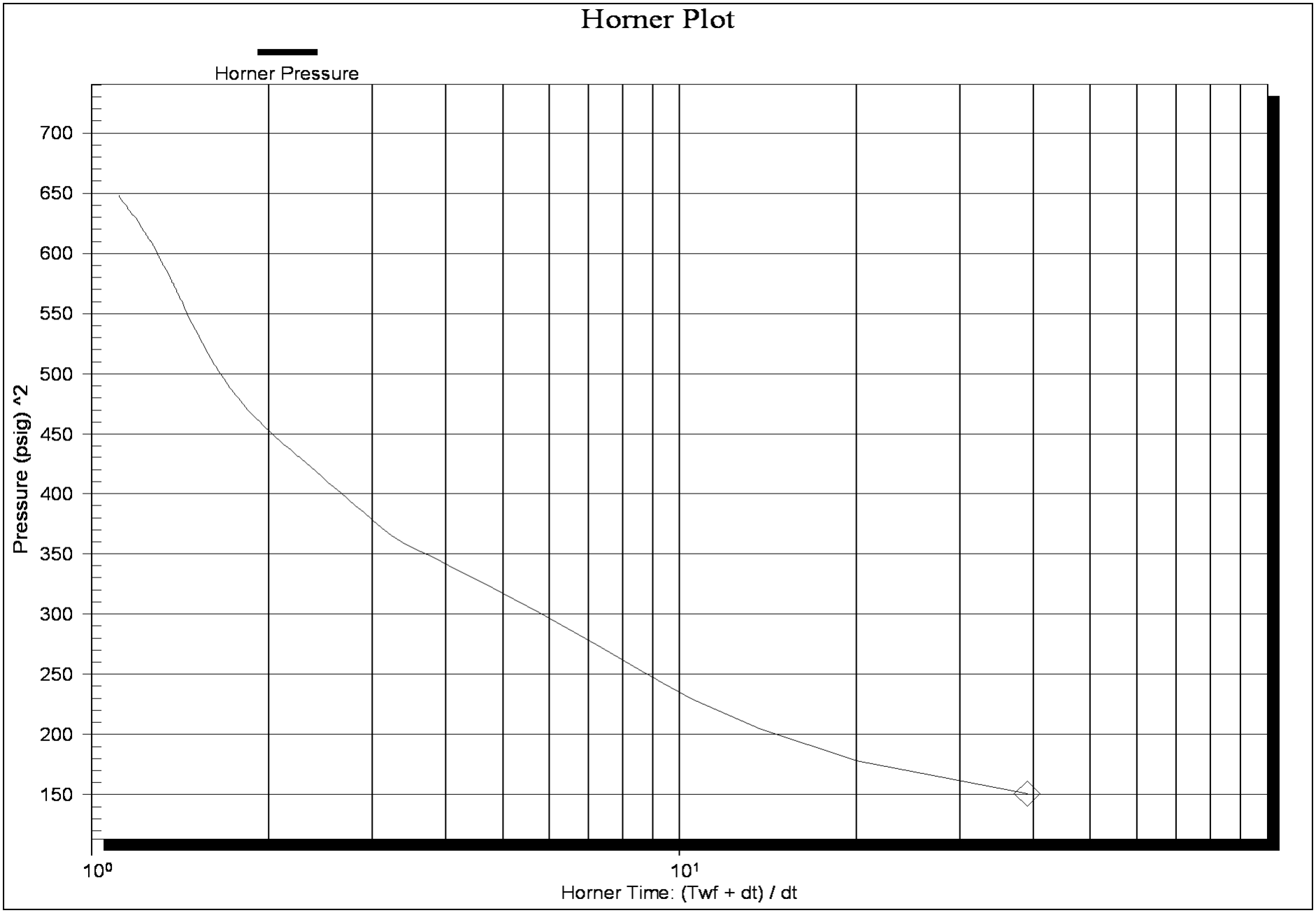
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

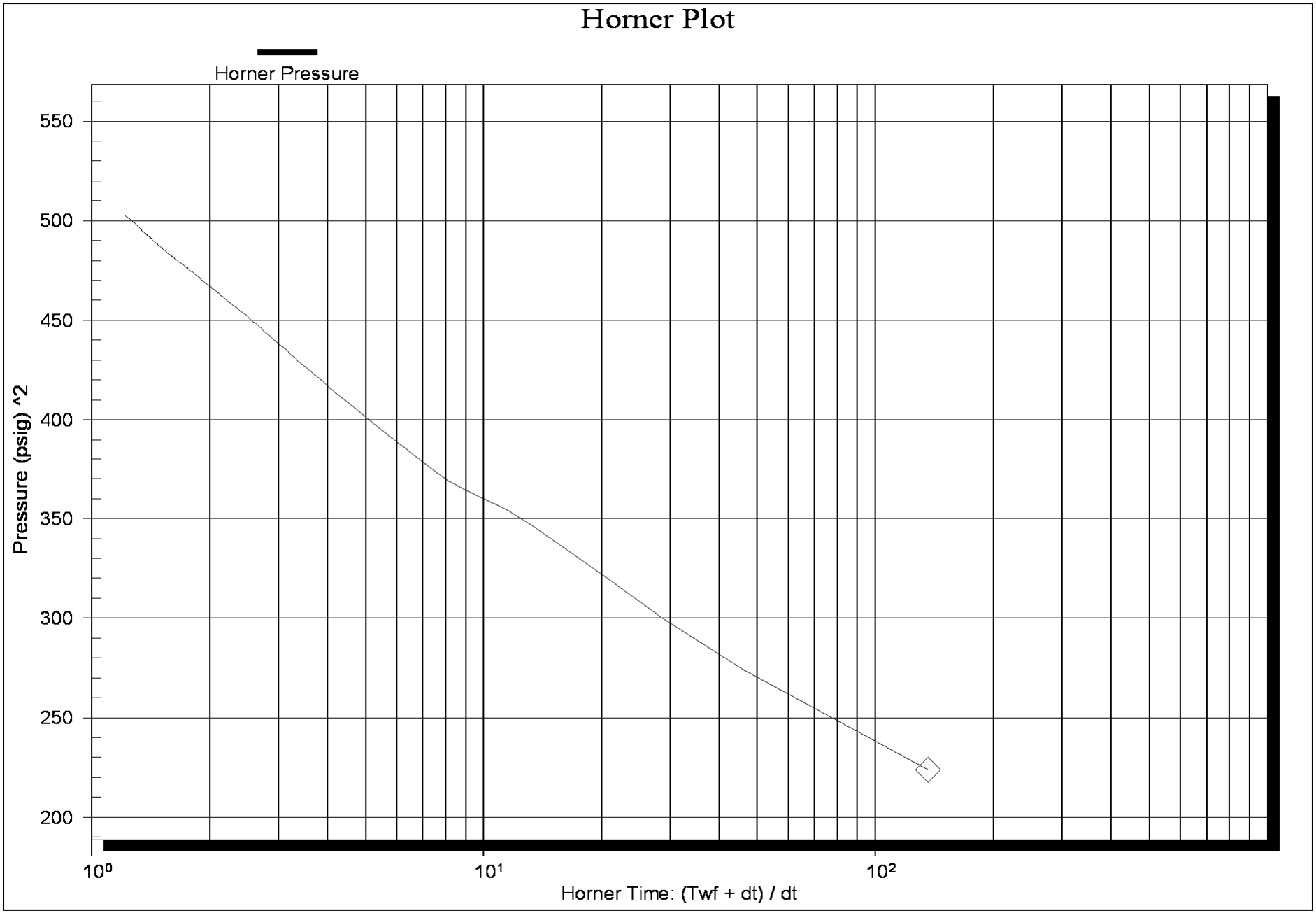
Recovery Comments: Sampler data 3.5 cf gas 1800 ml oil 420#


Pressure vs. Time
8647 Pressure
8647 Temperature
Initial Hydro-static
Final Hydro-static
Enc Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Open To Flow(1)
Shut-In(1)
Pressure (psig)
Temperature (deg F)
1500
1250
1000
750
500
250
-0
105
100
95
90
85
80
75
6PM
9PM
6 Wed
5 Tue Jul 2011
Time (Hours)

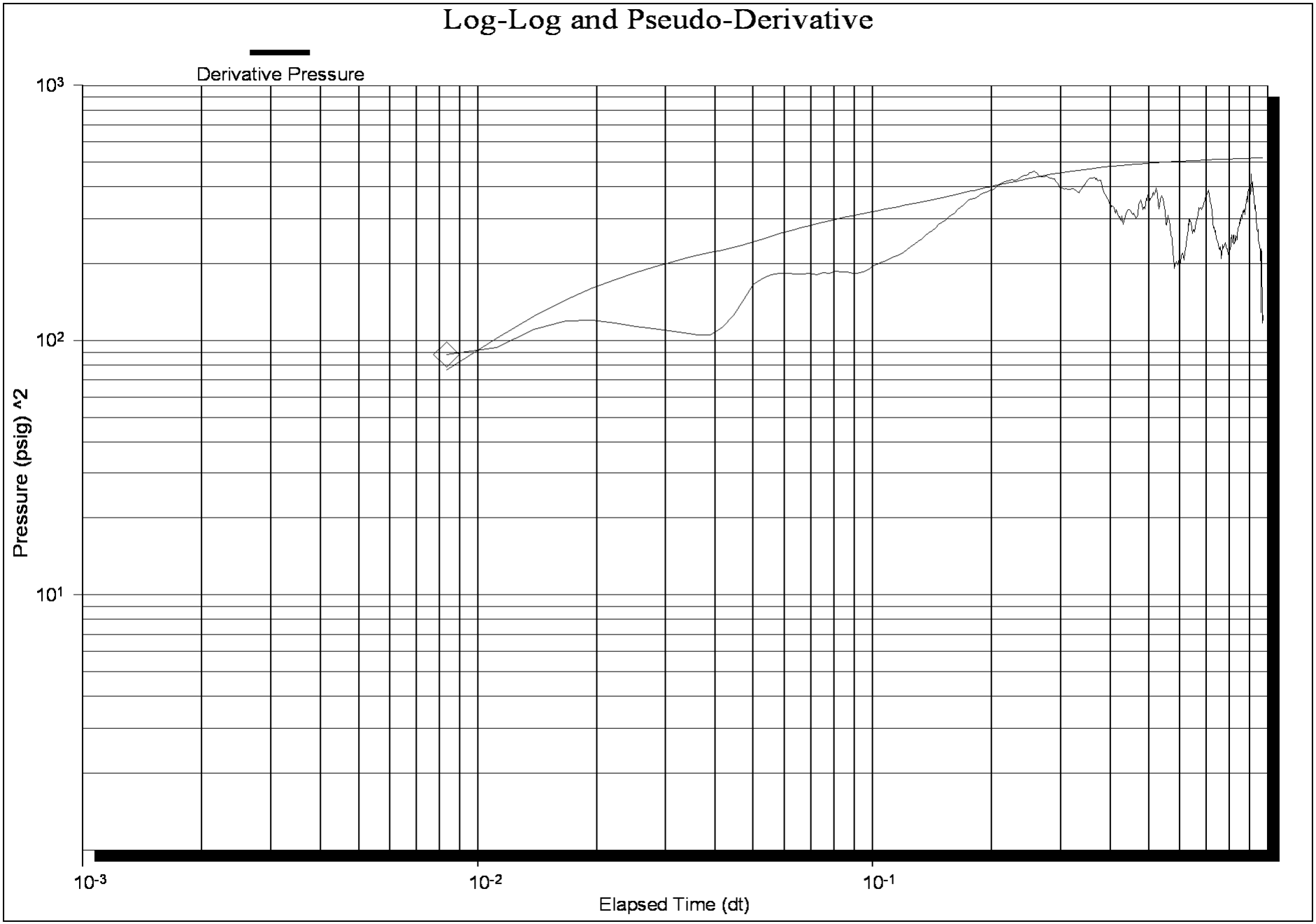

Pressure vs. Time
8017 Pressure
8017 Temperature
1750
1500
1250
1000
750
500
250
0
Pressure (psig)
110
105
100
95
90
85
80
Temperature (deg F)
6PM
9PM
6 Wed
5 Tue Jul 2011
Time (Hours)

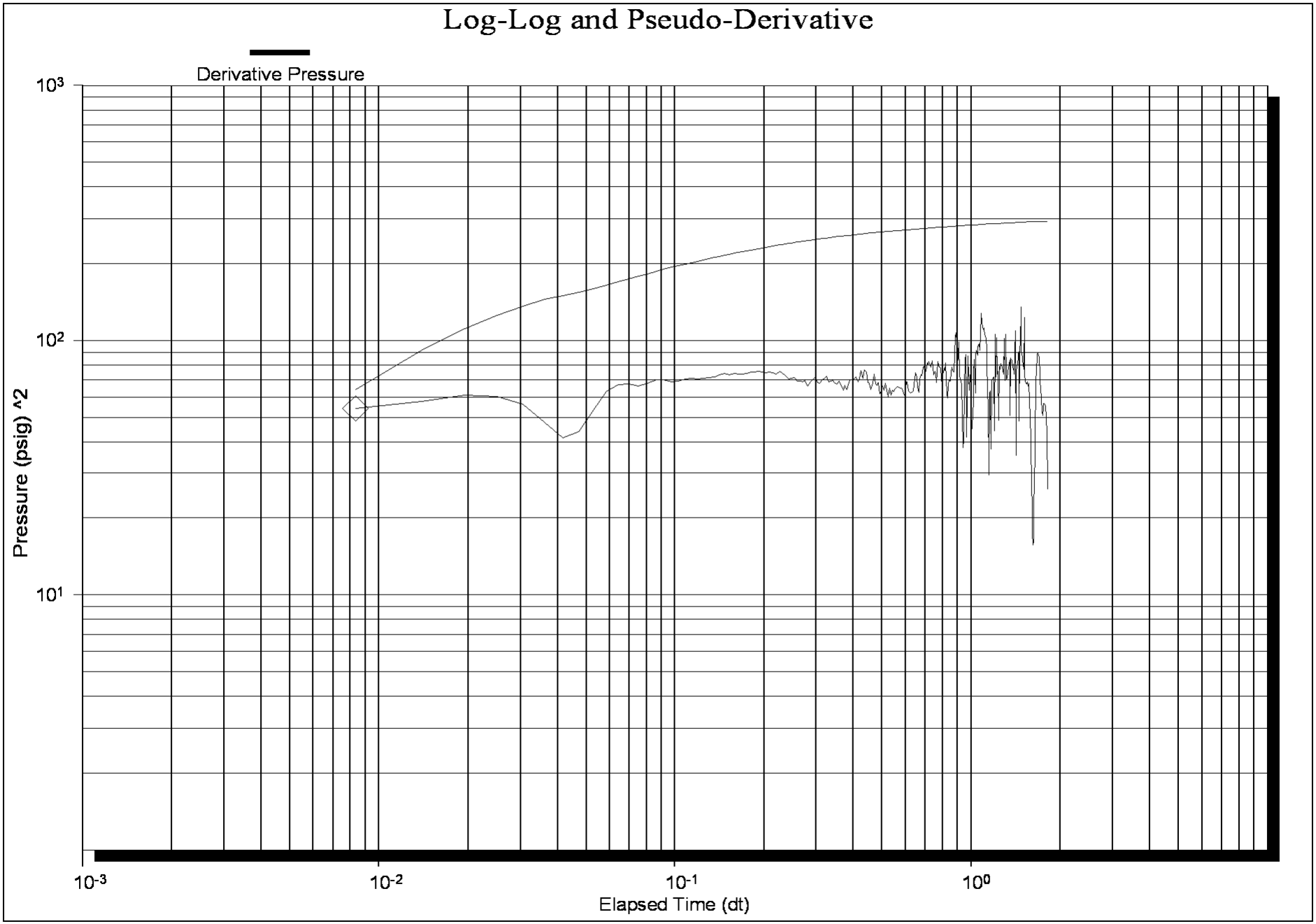


Serial Number: 8647 (Outside) P* : Slope (m) : kpa/log cycle Flow Cycle: 1



Serial Number: 8647 (Outside) P* : Slope (m) : kpa/log cycle Flow Cycle: 2


Log-Log and Pseudo-Derivative
Derivative Pressure
10^3
10^2
10^1
Pressure (psig) ^2
10^-3
10^-2
10^-1
Elapsed Time (dt)


Log-Log and Pseudo-Derivative
Derivative Pressure
10³
10²
10¹
Pressure (psig) ^2
10-3
10-2
10-1
10⁰
Elapsed Time (dt)

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

Well Name:	WAGNER TRUST 6-1		
Location:	SEC 1, 16S, 16W, Rush Co. Kansas		
License Number:	15-165-21925	Region:	Wildcat
Spud Date:	6/30/2011	Drilling Completed:	7/06/2011
Surface Coordinates:	2365' FNL & 1360' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	1912'	K.B. Elevation (ft):	1920'
Logged Interval (ft):	1700' To: 3600'	Total Depth (ft):	3600'
Formation:	Lansing, Arbuckle		
Type of Drilling Fluid:			

OPERATOR

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

GEOLOGIST

Name: JASON MARSHALL
Company: Earth Tech OGL, Inc.
Address: PO Box 683
Hooker, Okla . 73945
Off. 888-543-8378 Cell: 620-655-1298

Circulating Report

DST's Report

DST #1, 3154'-3216', 5,60,30,90
IFP-STRONG BLOW BUILT IN 90 SEC, ISI-WEAK SURFACE, FF-STRONG BLOW BUILT RIGHT AWAY, FSI- 9" BLOW, IH-1554, FH-1506, FIF-68, FFF-69, SIF-77, SFF-114, ISI-586, FSI-573, TOTAL REC- 210', 45% GAS, 20% OIL, AN 35% MUD

DST #2, 3240'-3291', 5,60,30,90
IFP-STRONG BLOW BUILT IN 90 SEC, ISI-NO BLOW, FF-STRONG BLOW BUILT IN 1 MIN, FSI- WEAK BLOW, IH-1735, FH-1535, FIF-143, FFF-203, SIF-223, SFF-490, ISI-612, FSI-605, TOTAL REC- 1025', 15% GAS, 2% OIL, 53% WATER, AN 30% MUD

DST #3 FAILED

DST #4, 3346'-3390', 5,60,10,100
IFP-STRONG BLOW BUILT IN 30 SEC, STRONG BLOW 3 MIN, FF-STRONG BLOW BUILT 1 MIN, STRONG BLOW 3 MIN, IH-1637, FH-1601, FIF-117, FFF-128, SIF-164, SFF-210, ISI-648, FSI-503, TOTAL REC- 480', 20% GAS, 80% OIL

DST's Report

ROCK TYPES

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
- Slty

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
- Wackest

OTHER SYMBOLS

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

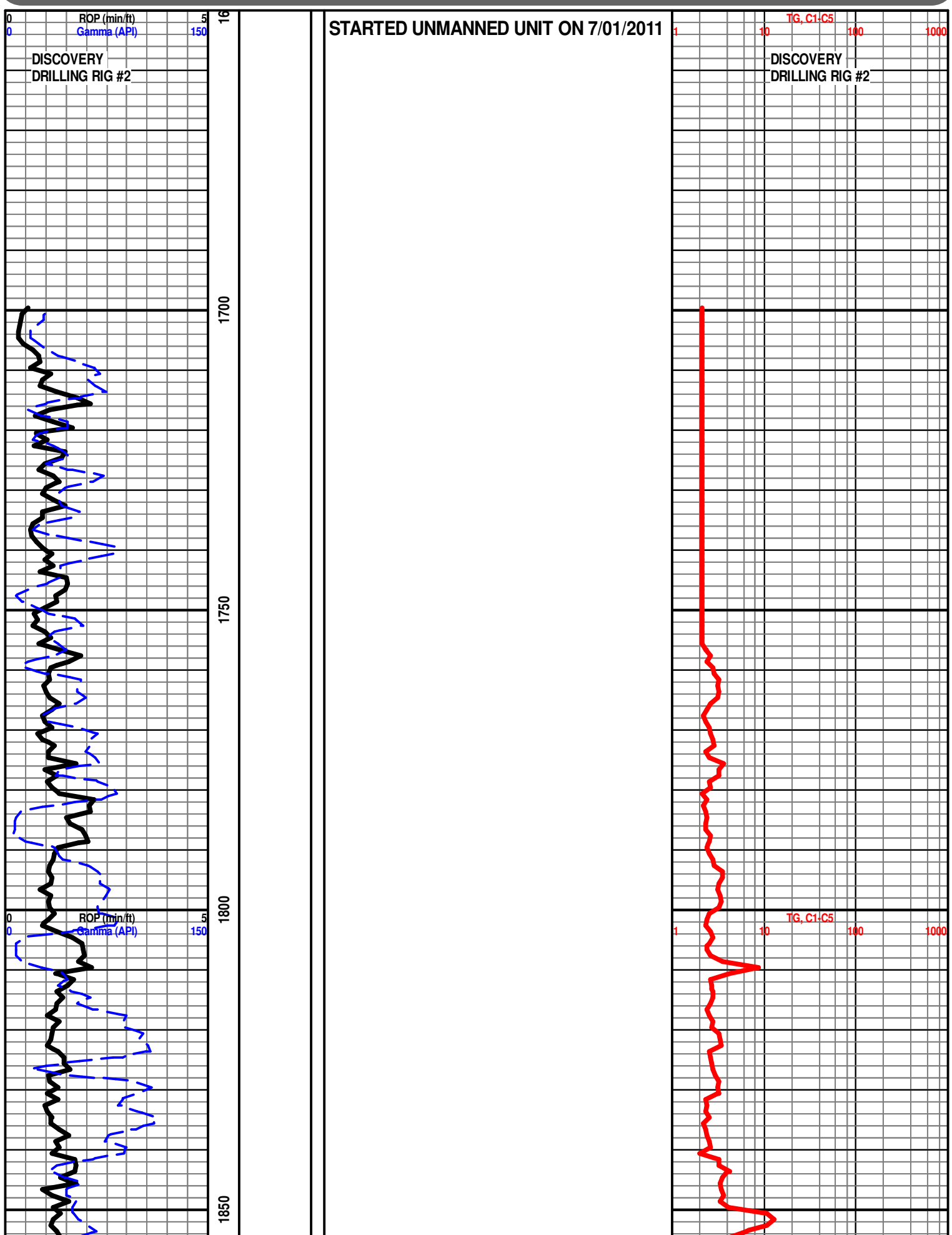
SORTING
- Well
- Moderate
- Poor

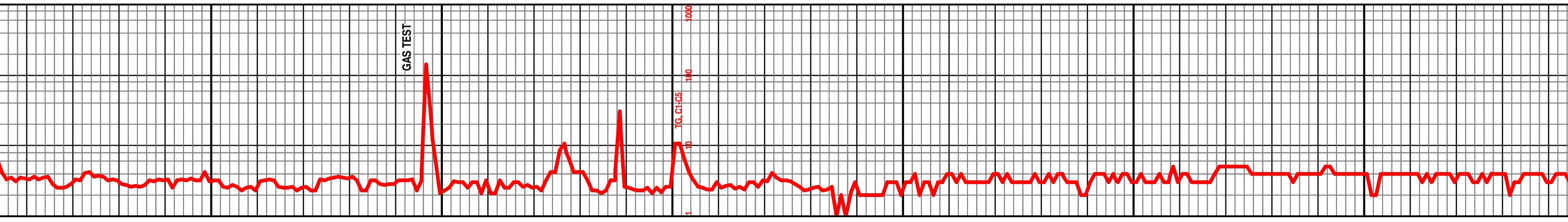
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

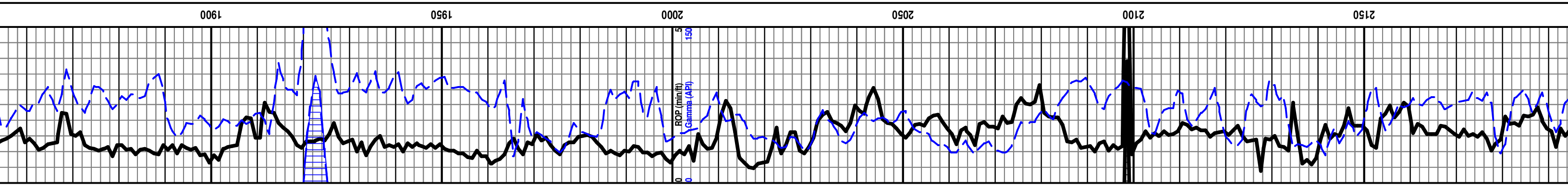
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

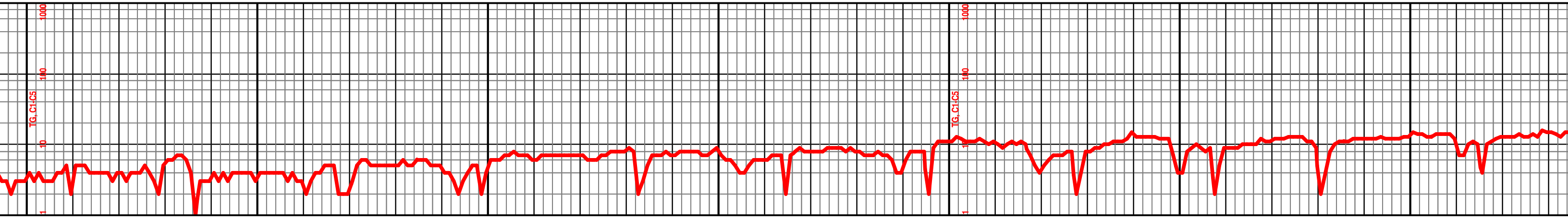
INTERVALS
- Core
- Dst
- Dst

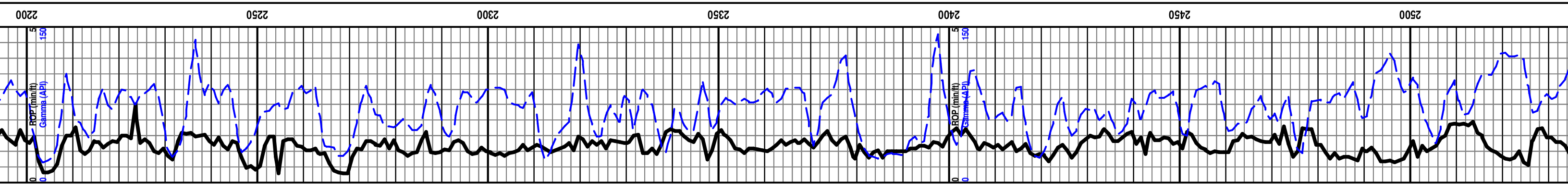
EVENTS
- Rft
- Sidewall

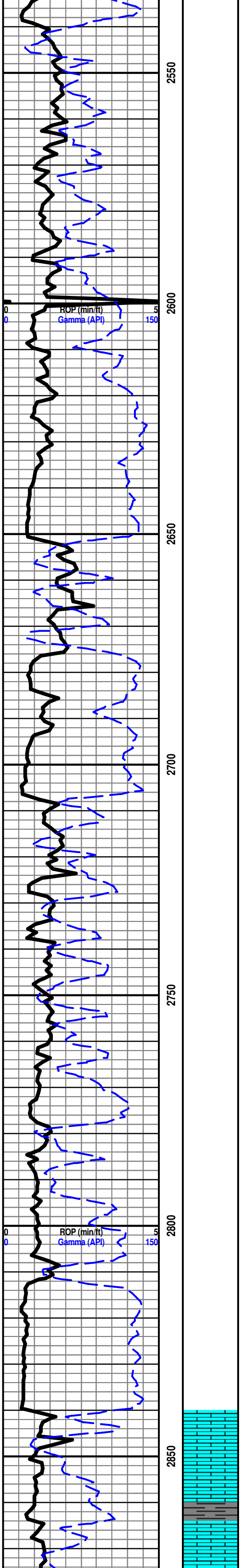



GAS TEST
TG, C1-C5
1000
100
10
1


1900
1950
2000
2050
2100
2150
ROP (min/ft)
Gamma (API)
5
150
0
0


TG, C1-C5
1000
100
10
1
TG, C1-C5
1000
100
10
1


2200
2250
2300
2350
2400
2450
2500
ROP (min/ft)
Gamma (API)
5
150
0
0
ROP (min/ft)
Gamma (API)
5
150
0
0



BASE ROOT SHALE @ 2651' - 731'

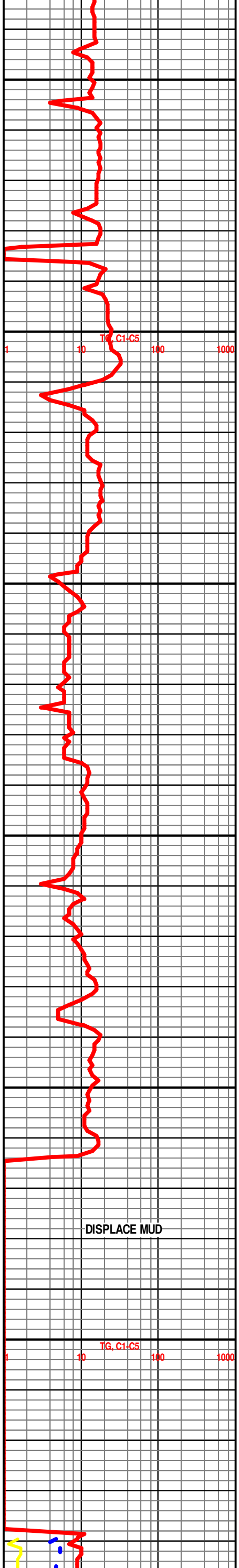
START MANNED UNIT ON 7/2/2011 @ 8:30 P.M.

HOWARD 2840' - 920'

LS- CRM LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX, SLI TR IMBD CALC XLS SCAT IP, IMBD FOSS FRAGS IP, DLL YEL MIN FLO SCAT THRU, NO VIS POR, NO VIS SHOW

SH- GRY TO DK GRY, FRM, BLKY

LS- CRM LT TN TO TN, HD DNS TO BRITT, FN XLN TO



WT- 8.7
VIS- 48
ROP- 80
WOB- 30
PP- 800

2900

CN

LS- CRM LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX, IMBD CALC XLS IP, IMBD FOSS FRAGS IP, SLI TR IMBD GRY SH, DLL YEL MIN FLO SCAT THRU, NO VIS POR, NO VIS SHOW

SEVERY 2895' - 975'

SH- GRY TO DK GRY, FRM, SMTH BLKY

TOPEKA 2906' - 986'

LS- CRM LT TN TO TN, HD DNS, FN TO MD XLN TO REXLN MTRX SCAT THRU, SLI TR SUCRO TXT SCAT IP, IMBD CALC XLS, IMBD FOSS FRAGS IP, IMBD GRY SHALE, DLL TO TR BRIT YEL FLO IN 15%, NO VIS POR, NO VIS CUT, NO VIS SHOW

13 UN

CN

BASE LINE
CHECKED

SH- GRY TO DK GRY, FRM, SMTH BLKY, TR DISS PYR

2950

LS- CRM LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, IMBD CALC XLS SCAT THRU, IMBD FOSS FRAGS IP, SLI TR IMBD DISS PYR IP, TR BRIT YEL FLO IN 5%, NO VIS POR, NO VIS CUT, NO VIS SHOW

12 UN BG

CN

C1

C2

SH- GRY TO DK GRY, FRM TO TR SFT, BLKY

LS- CRM LT TN TO TN, STAIN IN 10%, HD DNS TO BRITT, V/FN TO FN XLN TO REXLN MTRX THRU, IMBD CALC XLS THRU, IMBD FOSS FRAGS IP, V/SLI TR SFT WHT CHLK IP, DLL YEL FLO SCAT THRU, TR PR INTR-XLN POR, NO VIS CUT, NO VIS SHOW

CN

21 UN

SH- SFT BLK CARB SHALE

SH- GRY TO DK GRY, SFT, BLKY TO TR SPLINTY

3000

0 ROP (min/ft) 5
0 Gamma (API) 150

TG, C1-C5
1 10 100 1000

LE COMPTON 3007' - 1087'

CN

WT- 8.7
VIS- 46
ROP- 80
WOB- 25
PP- 800

LS- CRM OFF WHT TO WHT LT TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, SLI TR SUCRO TXT SCAT IP, IMBD CALC XLS THRU, IMBD FOSS FRAGS, V/SLI TR SFT WHT CHLK SCAT IP, DLL YEL FLO THRU, FR MICRO PP POR, NO VIS CUT, NO VIS SHOW

12 UN BG

CN

SH- SFT BLK CARB SHALE

23 UN

3050

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

C1

CN

LS- CRM WHT TN TO DK TN, STAIN THRU, BRITT, V/FN TO FN XLN TR REXLN MTRX, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, IMBD FOSS FRAGS IP, SFT WHT CHLK SCAT THRU, DEAD TARY OIL IN 40%, GLD YEL FLO IN 20%, FR INTR-XLN POR, INST FLUSH CUT THRU, TO GD STRONG MLKY BLUE STREAM CUT IN 55%, FR TO GD OIL ODOR, DK TN STAIN ON DISH

C2

C3

12 UN BG

CN

SH- GRY TO DK GRY, FRM TO SFT IP, SMTH BLKY

3100

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

BASE LINE
CHECKED

HEEBNER 3130' - 1210'

CN

WT- 8.7
VIS- 46
ROP- 80
WOB- 25
PP- 800

LS- CRM LT TN TO TN, STAIN IN 5%, HD DNS TO BRITT, V/FN TO FN XLN TO REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS SCAT IP, TR IMBD FOSS FRAGS IP, SLI TR DISS PYR IMBD IP, DLL TO TR BRIT YEL FLO IN 25%, TR PR INTR-XLN POR, GD FLUSH CUT TO FR STRONG MLKY BLUE STREAM CUT IN 10%, PR OIL ODOR

25 UN

3150

DOUGLAS 3166' - 1246'

CN

13 UN BG

DST#1
3154'-3216'

SH- GRY TO DK GRY, FRM TO TR SFT, SMTH BLKY TO TR SPLINTY, SLI LIMY

C1

C2

LANSING 3185' - 1265'

C3

LS- CRM LT TN TO TN, STAIN IN 30%, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, SLI TR FOSS FRAGS IP, SLI TR IMBD DISS PYR IP, DLL GLD YEL FLO IN 45%, FR TO TR GD INTR-XLN TO FR VUG POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE CUT IN 50%, GD OIL ODOR, LT TN STAIN ON DISH

32 UN

CN

SHORT TRIP
POINT 3196'

CFS @ 3196'
15,30,45,60

3200

0 ROP (min/ft) 5
0 Gamma (API) 150

TG, C1-C5
1 10 100 1000

"C" @ 3211'

LS- CRM OFF WHT WHT LT TN, STAIN IN 5%, HD DNS TO BRITT, MD XLN TO REXLN MTRX IP, FRM TO SFT WHT

33 UN

CFS @ 3216'

CFS @ 3210'
15,30,45,60

CHLK SCAT THRU, IMBD CALC XLS THRU, IMBD FOSS FRAGS IP, DLL YEL FLO IN 25%, TR INTR-XLN TO FR MICRO PP POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 15%, FR OIL ODOR

LS- CRM OFF WHT LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX, IMBD CALC XLS SCAT IP, IMBD FOSS FRAGS IP, SLI TR SFT WHT CHLK, DLL YEL FLO IN 30%, TR FR TO PR MICRO PP POR, NO VIS CUT , NO VIS SHOW

WT- 8.7
VIS- 46
ROP- 80
WOB- 25
PP- 800

3250

LS- CRM TN TR DK TN, STAIN IN 55%, TR LIVE OIL IN 15%, HD DNS TO BRITT, FN TO MD XLN TO REXLN MTRX THRU, CALC XLS SCAT THRU, SLI TR FOSS FRAGS, SLI TR IMBD OOL SCAT IP, DLL GLD YEL FLO IN 40%, GD PP TO FR TO TR GD VUG POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE CUT IN 25%, FR OIL ODOR, TN STAIN ON DISH

"F" @ 3255'

DST #2
3240'-3291'

LS- CRM OFF WHT TO WHT LT TN TO TN, STAIN IN 50%, TR LIVE OIL IN 10%, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, SLI TR FRM TO SFT WHT CHLK, CALC XLS SCAT THRU, IMBD OOL SCAT THRU, DLL GLD TO BRIT YEL FLO IN 60%, FR TO TR GD OOLCST TO TR FR VUG POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 50%, GD STRONG OIL ODOR, LT TN STAIN ON DISH

CFS @ 3276'
15,30,45,60

CFS @ 3291'
15,30,45,60

LS- CRM OFF WHT TO WHT LT TN, HD DNS TO BRITT, MD XLN TO REXLN MTRX, SLI TR IMBD CALC XLS, SFT WHT CHLK SCAT THRU, SLI TR IMBD OOL IP, DLL TO BRIT YEL FLO IN 10%, TR PR OOLCST POR IP, NO VIS CUT NO VIS SHOW

3300

LS- CRM OFF WHT TO WHT LT TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX, SUCRO TXT SCAT IP, SLI TR SFT WHT CHLK, IMBD CALC XLS SCAT IP, DLL YEL FLO IN 30%, FR INTR-XLN POR, V/PR FLUSH CUT IN 10% TO NO STREAM CUT, PR OIL ODOR

"H" @ 3326'

LS- CRM WHT LT TN TO TN, STAIN IN 45%, HD DNS TO BRITT, FN XLN TO REXLN MTRX, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, SFT WHT CHLK SCAT THRU, GLD TO BRIT YEL FLO IN 25%, FR MICRO PP TO PR INTR-XLN POR, FR FLUSH CUT TO GD MLKY BLUE STREAM CUT IN 25%, FR TO TR GD OIL ODOR

3350

LS- CRM LT TN TO TN OFF WHT, STAIN IN 60%, HD DNS TO BRITT, V/FN TO FN XLN TO REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, TR FOSS FRAGS IP, SFT WTH CHLK SCAT IP, LIVE OIL IN 20%, GLD TO BRIT YEL FLO IN 45%, GD VUG TO FR INTR-XLN TO POSS FRAC POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT THRU, GD OIL ODOR, LT BRN STAIN ON DISH

WT- 8.7
VIS- 56
ROP- 80
WOB- 25
PP- 800

DST #3-4
3346'-3390'

LS- CRM LT TN TO TN, STAIN IN 50%, HD DNS TO BRITT, MD XLN TO REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, IMBD OOL SCAT IP, LIVE OIL IN 35% DEAD OIL STAIN IN 5%, GLD TO BRIT YEL FLO IN 60%, FR OOLCST TO FR INTR-XLN TO POSS FRAC POR, GD INST FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT IN 60%, GD OIL ODOR, LT TN STAIN ON DISH

CFS @ 3390'
15,30,45,60

LS- CRM OFF WHT LT TN TO TN, STAIN IN 25%, HD DNS TO BRITT, FN XLN TO REXLN MTRX, IMBD CALC XLS SCAT THRU, IMBD OOL SCAT IP, DLL YEL FLO IN 35%, FR INTR-XLN POR, FR FLUSH CUT TO PR STREAM CUT IN 20%, PR OIL ODOR

0 CGR (API) 5
0 Gamma (API) 150

3400

LS- CRM LT TN TO TN, HD DNS TO BRITT, FN XLN TO REXLN MTRX THRU, SUCRO TXT SCAT THRU, IMBD CALC XLS THRU, IMBD DISS PYR IP, BRIT YEL FLO IN 25%, FR MICRO PP TO TR FR VUG POR, GD FLUSH CUT THRU, TO FR STREAM CUT IN 35%, V/PR OIL ODOR

BKC @ 3419' -1499'

SH- GRY TO DK GRY, FRM TO SFT IP, BLKY TO SLI TR SPLINTY

CFS @ 3443'
15,30,45

SH- LT RDSH BRN TO GRY, FRM TO TR SFT, BLKY

SS- LT TN TO FRSTY, HD TT V/FRI IP, SM TO MD GRN W/TR CRS GRN, FRSTY GRNS, PR SORT, S/ANG TO S/RND, V/CALC CMNT THRU, ABDT DOS IN 80%, HVY TR OF IMBD SFT WHT CHLK IN 80%, NO FLO TO V/DLL FLO IN 40%, TR V/PR INTR-GRN POR, WEAK ACID CUT, WEAK FLUSH CUT TO FR SLOW STREAM CUT IN 20%, NO CUT IN 80%, NO ODOR

3450

3451' SS- CLR FRSTY- PRED UNCLSTD GRNS,S/ANG TO S/RND, CLR GRNS, LG TO PBBL SIZE GRNS, FR SORT, SLI TR DOS IP, NO FLO, NO VIS POR, NO FLUSH CUT, V/LT GASY CUT

SS- TN TO DK TN DUE TO OIL STAIN THRU, HD TO V/FRI, FN TO MD GRN, FR SORT, S/RND TO TR S/ANG, V/CALC CMNT THRU TO TR SIL CMNT IP, HVY TR SCAT IP IMBD CHLK, SLI TR IMBD LIME GRN IP, TR IMBD RD SH, BRIT YEL GLD FLO SCAT THRU TO DLL YEL GLD FLO IP, PR TO FR VIS INTR-GRN POR TO TR GD VIS INTR-GRN POR IP, EXCL INST FLUSH CUT THRU TO EXCL SLOW RICH MLKY BLUE STREAM CUT THRU, NO ODOR, BRN STAIN ON DISH

WT- 9.0
VIS- 53
ROP- 80
WOB- 35
PP- 800

ARBUCKLE @ 3495' - 1575'

3500

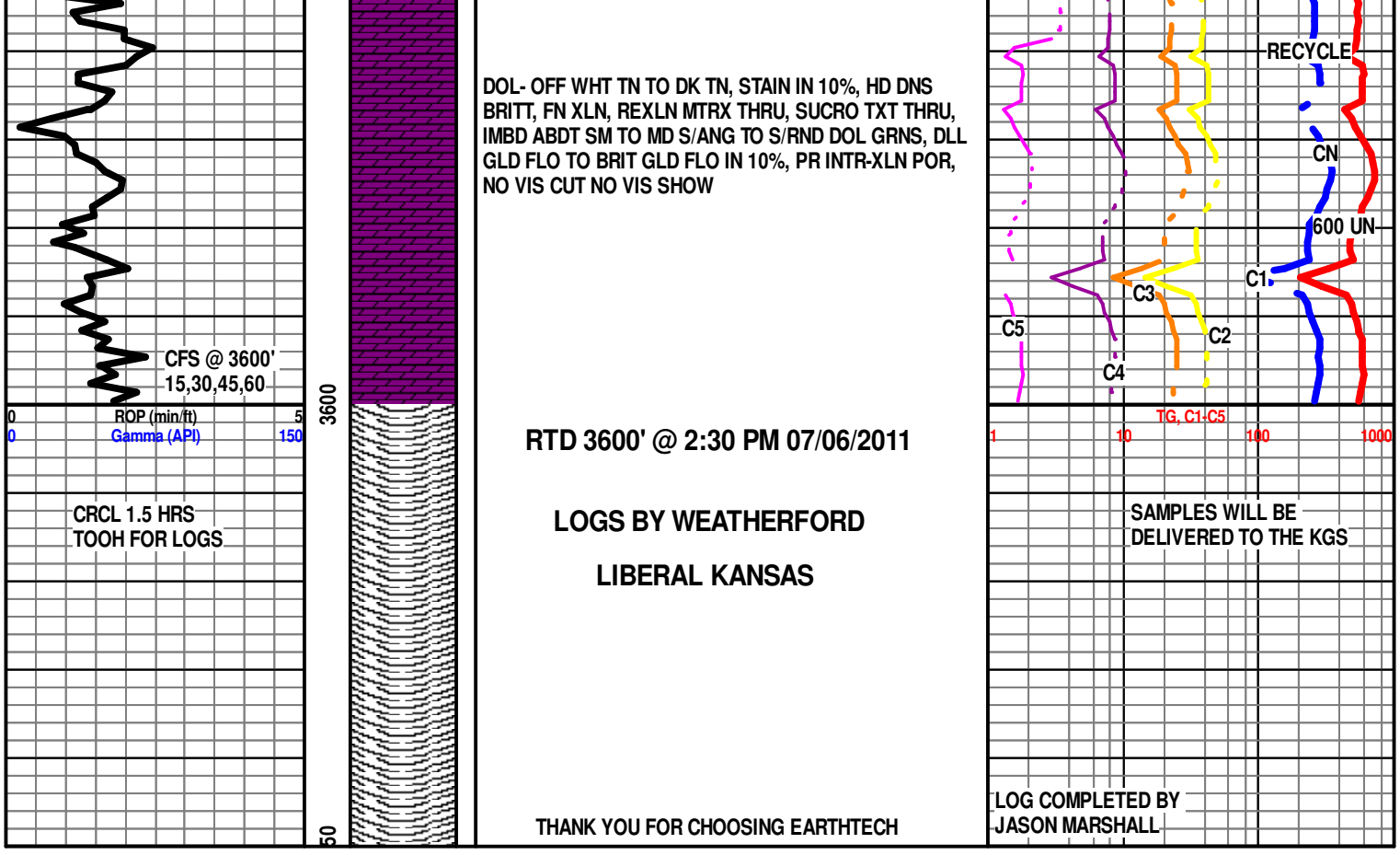
DOL- LT TN TO DK TN DUE TO OIL STAIN IN 40%, HD DNS FN XLN TO CSR SUCRO MTRX, ABDT SCAT IMBD SM TO MD ANG DOL GRNS, HVY TR SFT WHT CHLK IP, SCAT IMBD DISS PYR THRU, BRIT YEL GLD FLO IN 20% DLL YEL GLD FLO IN 40%, PR TO FR VIS INTR-XLN TO TR PR SCAT VUG POR, GD INST FLUSH CUT TO V/GD SLOW MLKY BLUE STREAM THRU, NO ODOR, LT TN STAIN ON DISH

DOL- WHT OFF WHT CRM IP, HD IP BRITT, FN SUCRO MTRX IP TO GRDNG TO ABDT WHT SFT GUMMY DOL CHLK W/ABDT FNLY DISS PYR THRU, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

DOL- WHT OFF WHT CRM LT TN, STAIN IN 25%, HD TT TO BRITT, FN TO MD XLN, SUCRO MTRX SCAT THRU, ABDT SM S/ANG DOL GRNS, TR DISS PYR SCAT IP, DLL GLD FLO IN 25%, PR INTR-XLN POR IP, PR FLUSH CUT TO PR STREAM CUT IN 15%, NO ODOR

3550

CN
390 UN
270 UN BG
CN
455 UN
C3
C1
C2
C4
CN
300 UN
CN
180 UN BG
CN
280 UN
300 UN
C3
C1
C4
CN
C2
TG, C1-C5
1 10 100 1000
CN
180 UN BG
CN
560 UN
C1
C2
CN
C3
600 UN
C4
C5
POSS RECY
CN
600 UN
CN
600 UN


CFS @ 3600'
15,30,45,60
0
ROP (min/ft)
5
0
Gamma (API)
150
3600
CRCL 1.5 HRS
TOOH FOR LOGS
DOL- OFF WHT TN TO DK TN, STAIN IN 10%, HD DNS BRITT, FN XLN, REXLN MTRX THRU, SUCRO TXT THRU, IMBD ABDT SM TO MD S/ANG TO S/RND DOL GRNS, DLL GLD FLO TO BRIT GLD FLO IN 10%, PR INTR-XLN POR, NO VIS CUT NO VIS SHOW
RTD 3600' @ 2:30 PM 07/06/2011
LOGS BY WEATHERFORD
LIBERAL KANSAS
THANK YOU FOR CHOOSING EARTHTECH
RECYCLE
CN
600 UN
C1
C3
C2
C5
C4
TG, C1-C5
1
10
100
1000
SAMPLES WILL BE
DELIVERED TO THE KGS
LOG COMPLETED BY
JASON MARSHALL