



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1095041

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Flatirons Resources LLC
Well Name	Heier-Rickner Unit 12-2
Doc ID	1095041

Tops

Name	Top	Datum
Anhydrite top	2320	532
Anhydrite base	4709	-1857
Heebner	3862	-1010
Lansing	3903	-1051
Base/ Kansas City	4182	-1330
Pawnee	4311	-1459
Ft Scott	4379	-1527
Johnson zone	4464	-1612
Mississippian	4488	-1636
TD	4709	-1857



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Flatirons Resources LLC.
 303 E. 17th Ave. Ste. 940
 Denver Co. 80203
 ATTN: Tim Preist

2 12s 30w Gove Ks.
Heier-Rickner12-2
 Job Ticket: 042930 **DST#: 1**
 Test Start: 2011.11.08 @ 18:15:00

GENERAL INFORMATION:

Formation: **LKC-EF**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:34:30
 Time Test Ended: 02:31:30
 Interval: **3968.00 ft (KB) To 3999.00 ft (KB) (TVD)**
 Total Depth: 3999.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Kreuzer Jr.
 Unit No: 36
 Reference Elevations: 2852.00 ft (KB)
 2842.00 ft (CF)
 KB to GR/CF: 10.00 ft

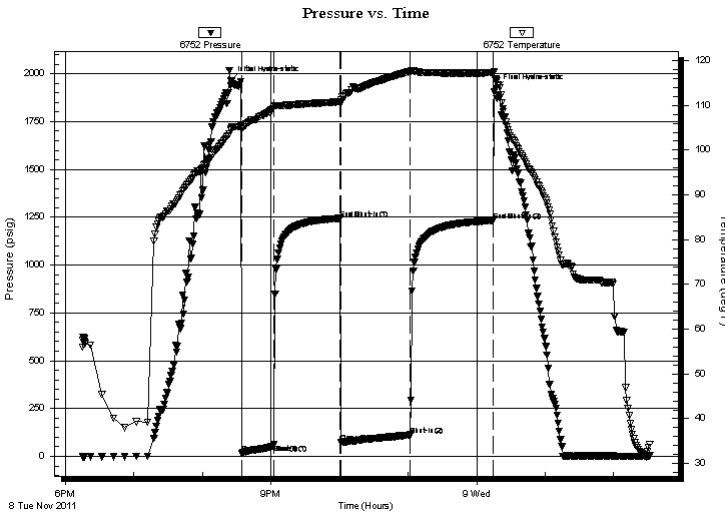
Serial #: 6752

Inside

Press @ Run Depth: 112.39 psig @ 3971.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.11.08 End Date: 2011.11.09 Last Calib.: 2011.11.09
 Start Time: 18:15:05 End Time: 02:31:29 Time On Btm: 2011.11.08 @ 20:25:00
 Time Off Btm: 2011.11.09 @ 00:17:00

TEST COMMENT: IF: Weak blow, built to 3 in. over 30 mins.
 IS: No blow back over 60 mins.
 FF: Weak blow, Built to 1/2 in. over 30 mins. Died in 45 mins.
 FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.80	104.81	Initial Hydro-static
10	14.45	104.73	Open To Flow (1)
38	60.96	109.67	Shut-In(1)
96	1244.27	110.83	End Shut-In(1)
96	72.08	110.48	Open To Flow (2)
157	112.39	117.61	Shut-In(2)
230	1233.02	117.27	End Shut-In(2)
232	1922.51	115.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	mcw -20%m80%w	1.42
40.00	w cm-40%w 60%m	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC.

2 12s 30w Gove Ks.

303 E. 17th Ave. Ste. 940
Denver Co. 80203

Heier-Rickner12-2

Job Ticket: 042930

DST#: 1

ATTN: Tim Preist

Test Start: 2011.11.08 @ 18:15:00

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:

20000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	mcw -20%m80%w	1.421
40.00	w cm-40%w 60%m	0.561

Total Length: 220.00 ft Total Volume: 1.982 bbl

Num Fluid Samples: 0

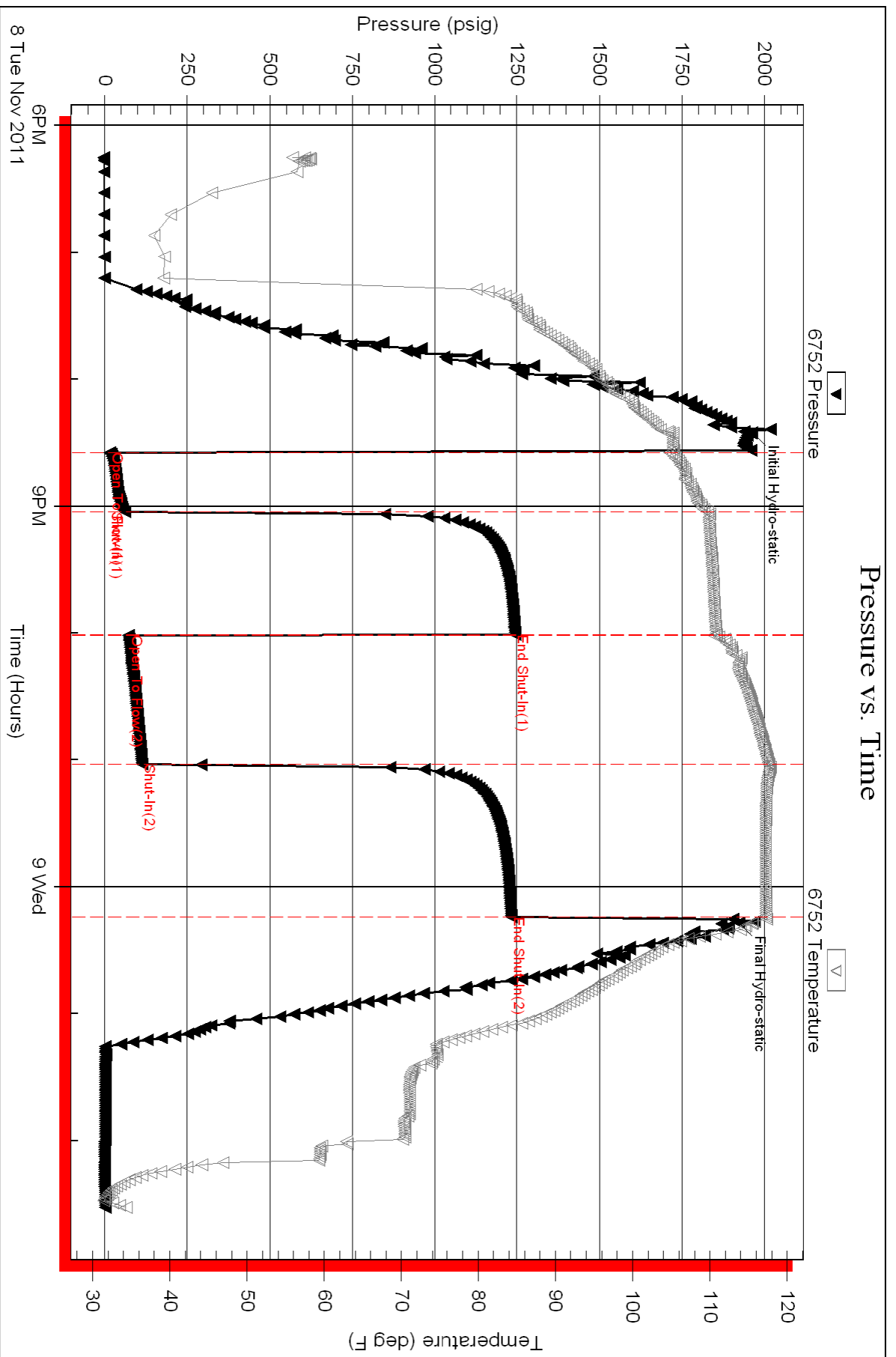
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .5@45*=20000 Chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Flatirons Resources LLC.
303 E. 17th Ave. Ste. 940
Denver Co. 80203
ATTN: Tim Preist

2 12s 30w Gove Ks.
Heier-Rickner12-2
Job Ticket: 042931 **DST#: 2**
Test Start: 2011.11.09 @ 22:00:00

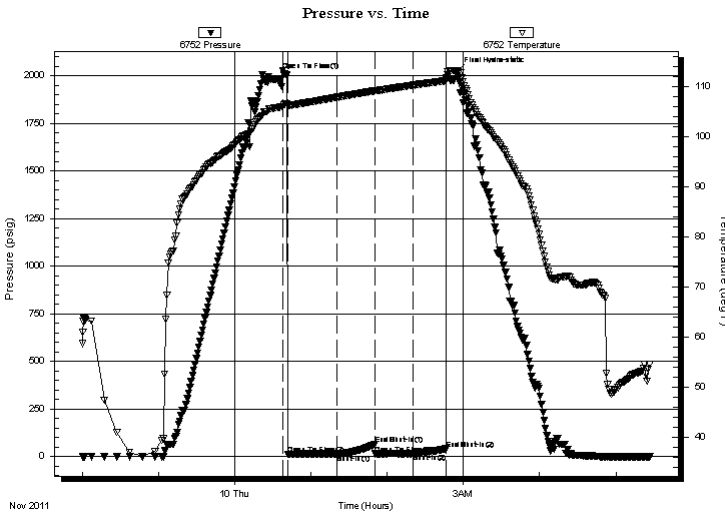
GENERAL INFORMATION:

Formation: **LKC-I,J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:37:30
Time Test Ended: 05:26:30
Interval: **4073.00 ft (KB) To 4125.00 ft (KB) (TVD)**
Total Depth: 4125.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 2852.00 ft (KB)
2842.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6752 Inside
Press @ Run Depth: 13.75 psig @ 4105.94 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.11.09 End Date: 2011.11.10 Last Calib.: 2011.11.10
Start Time: 22:00:05 End Time: 05:26:29 Time On Btm:
Time Off Btm: 2011.11.10 @ 02:54:30

TEST COMMENT: IF: Weak blow, Died in 4 mins.
IS: No blow back over 30 mins.
FF: No blow over 30 mins.
FS: No blow back over 30 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2027.71	106.04	Open To Flow (1)
4	12.60	106.38	Open To Flow (2)
43	13.75	107.92	Shut-In(1)
73	65.19	109.19	End Shut-In(1)
73	14.19	109.19	Open To Flow (3)
103	15.74	110.34	Shut-In(2)
129	39.62	111.20	End Shut-In(2)
137	2019.51	113.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil specs	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC.

2 12s 30w Gove Ks.

303 E. 17th Ave. Ste. 940
Denver Co. 80203

Heier-Rickner12-2

Job Ticket: 042931

DST#: 2

ATTN: Tim Preist

Test Start: 2011.11.09 @ 22:00:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.48 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil specs	0.050

Total Length: 10.00 ft Total Volume: 0.050 bbl

Num Fluid Samples: 0

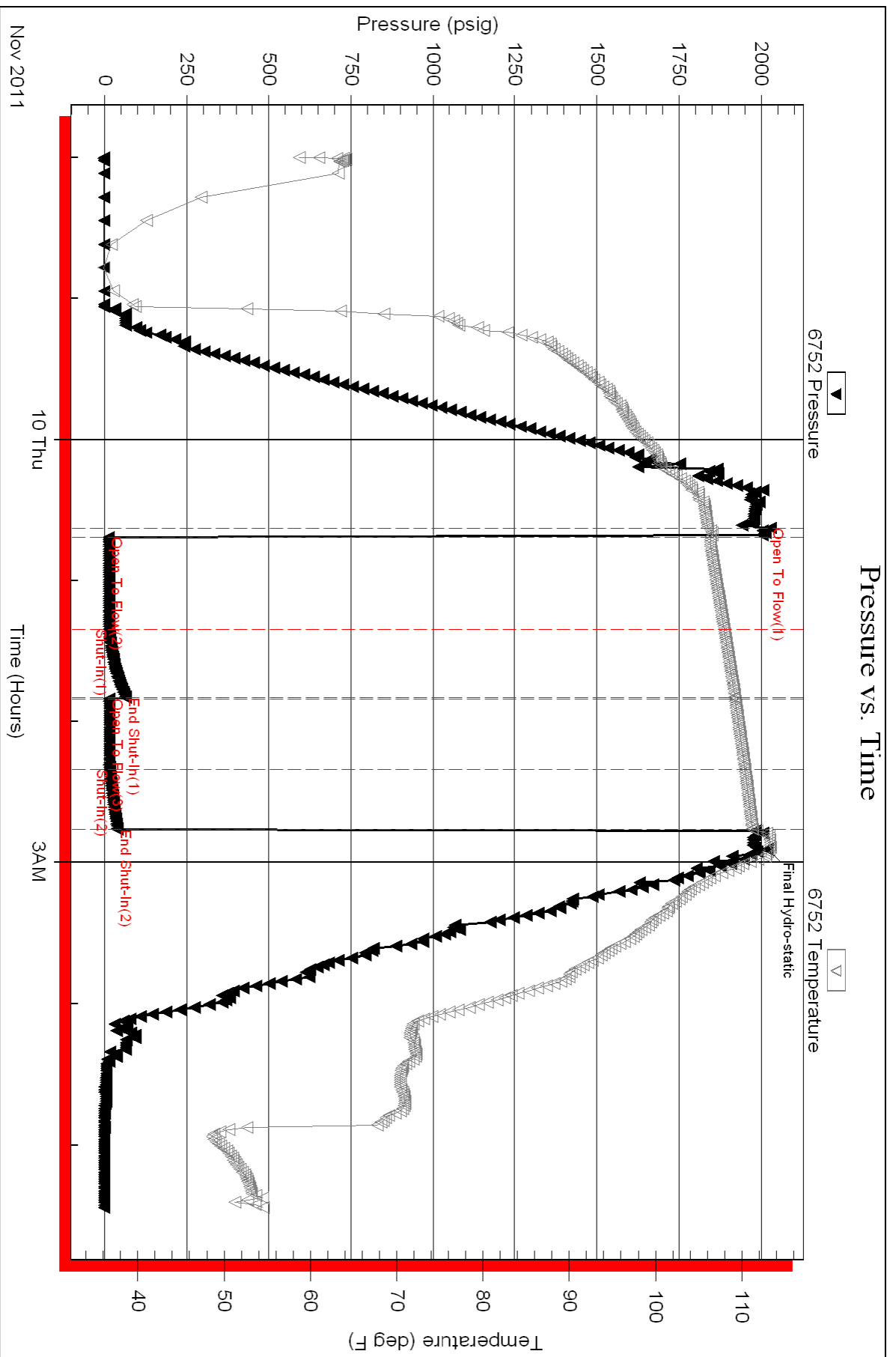
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Flatirons Resources LLC.
 303 E. 17th Ave. Ste. 940
 Denver Co. 80203
 ATTN: Tim Preist

2 12s 30w Gove Ks.
Heier-Rickner12-2
 Job Ticket: 042932 **DST#: 3**
 Test Start: 2011.11.10 @ 21:30:00

GENERAL INFORMATION:

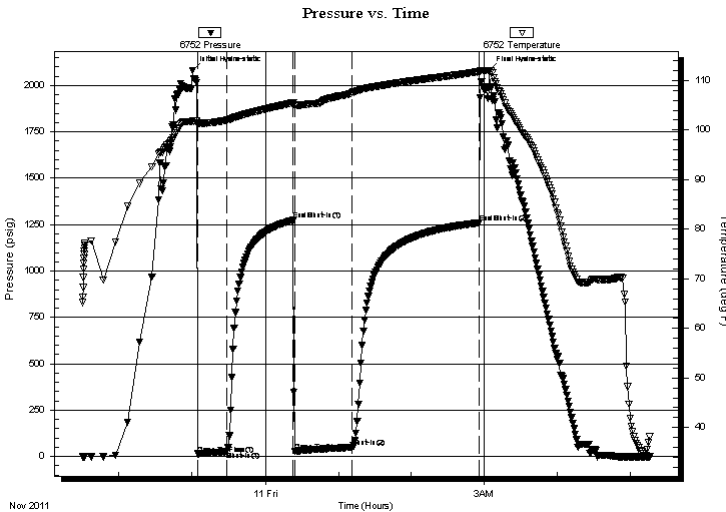
Formation: **LKC-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:04:30
 Time Test Ended: 05:15:30
 Interval: **4117.00 ft (KB) To 4160.00 ft (KB) (TVD)**
 Total Depth: 4160.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreuzer Jr.
 Unit No: 36
 Reference Elevations: 2852.00 ft (KB)
 2842.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6752 Inside

Press@RunDepth: 49.29 psig @ 4121.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.11.10 End Date: 2011.11.11 Last Calib.: 2011.11.11
 Start Time: 21:30:05 End Time: 05:15:29 Time On Btm: 2011.11.10 @ 23:00:30
 Time Off Btm: 2011.11.11 @ 03:04:00

TEST COMMENT: IF: Weak blow , Built to 3 in. over 30 mins.
 IS: No blow back over 60 mins.
 FF: Weak blow , Built to 1/4 in. over 60 mins.
 FS: No blow back over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.76	101.90	Initial Hydro-static
4	14.05	101.50	Open To Flow (1)
28	26.42	101.97	Shut-In(1)
83	1273.56	105.49	End Shut-In(1)
84	28.27	105.01	Open To Flow (2)
131	49.29	107.48	Shut-In(2)
235	1259.64	111.77	End Shut-In(2)
244	2081.66	111.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	mud-100%	0.33

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC.

2 12s 30w Gove Ks.

303 E. 17th Ave. Ste. 940
Denver Co. 80203

Heier-Rickner12-2

Job Ticket: 042932

DST#: 3

ATTN: Tim Preist

Test Start: 2011.11.10 @ 21:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 25000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	mud-100%	0.328

Total Length: 65.00 ft Total Volume: 0.328 bbl

Num Fluid Samples: 0

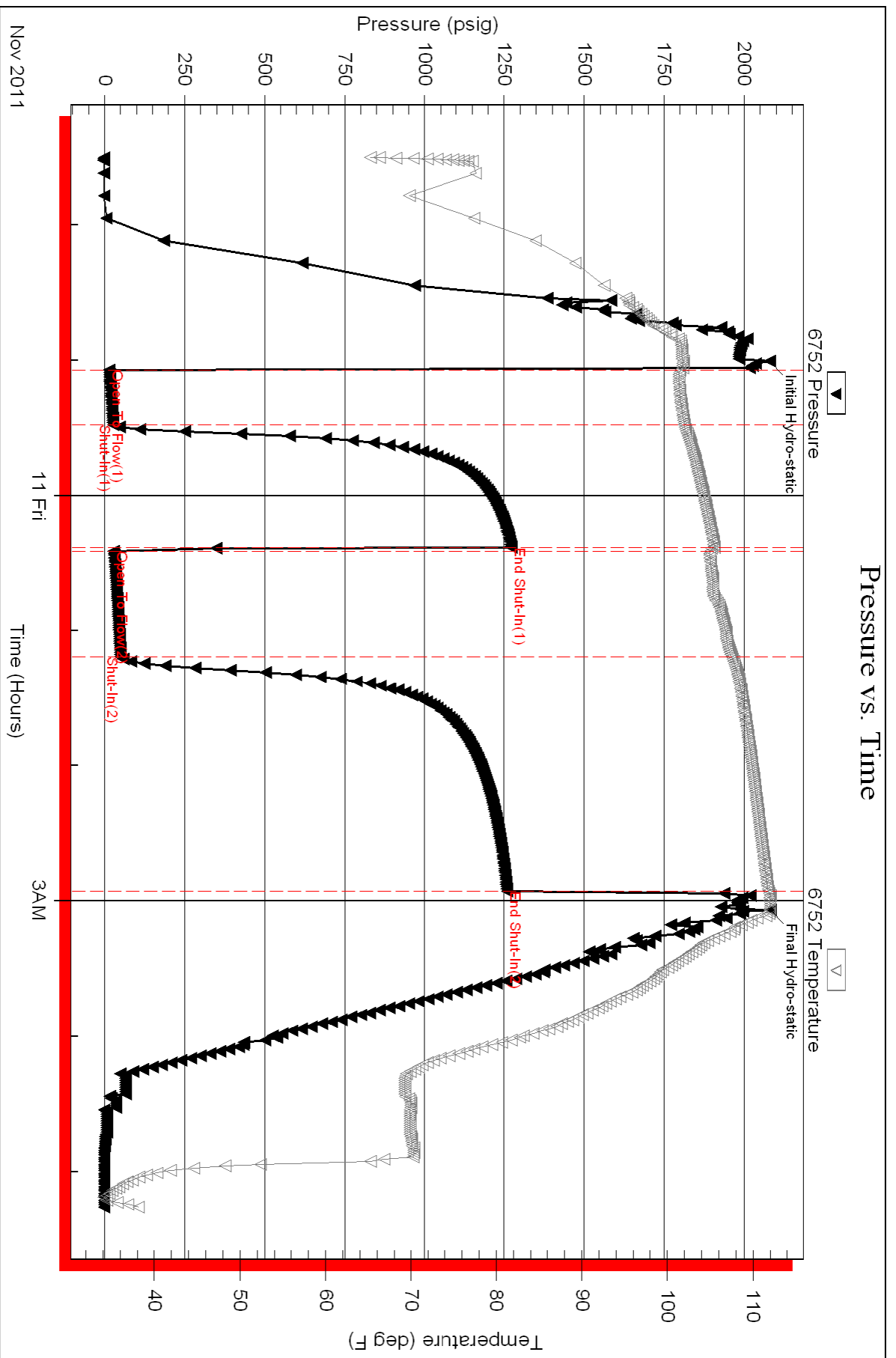
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
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DRILL STEM TEST REPORT

Flatirons Resources LLC.
303 E. 17th Ave. Ste. 940
Denver Co. 80203
ATTN: Tim Preist

2 12s 30w Gove Ks.
Heier-Rickner12-2
Job Ticket: 042933 **DST#: 4**
Test Start: 2011.11.11 @ 17:00:00

GENERAL INFORMATION:

Formation: **LKC-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:44:00
Time Test Ended: 23:01:00
Interval: **4158.00 ft (KB) To 4187.00 ft (KB) (TVD)**
Total Depth: 4201.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Straddle (Reset)
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 2852.00 ft (KB)
2842.00 ft (CF)
KB to GR/CF: 10.00 ft

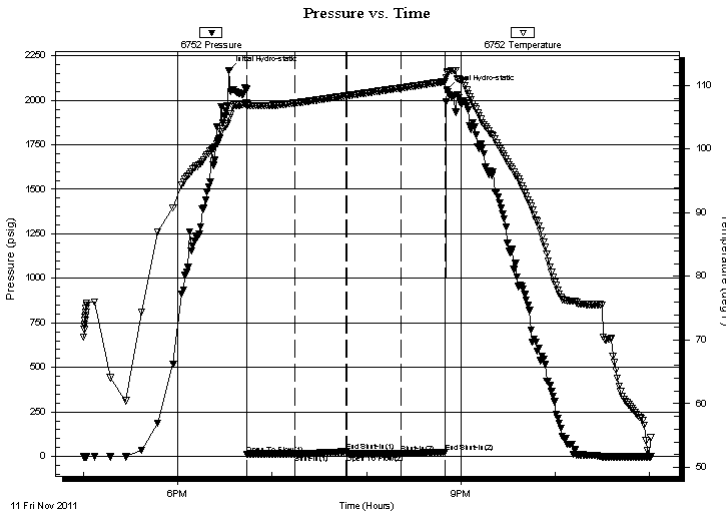
Serial #: 6752

Inside

Press @ Run Depth: 15.88 psig @ 4162.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.11.11 End Date: 2011.11.11 Last Calib.: 2011.11.11
Start Time: 17:00:05 End Time: 23:00:59 Time On Btm: 2011.11.11 @ 18:32:30
Time Off Btm: 2011.11.11 @ 20:51:00

TEST COMMENT: IF: Weak blow, Died in 9 mins.
IS: No blow back over 30 mins.
FF: No blow over 30 mins.
FS: No blow back over 30 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.48	104.87	Initial Hydro-static
12	13.09	106.81	Open To Flow (1)
42	15.00	107.24	Shut-In(1)
75	26.30	108.39	End Shut-In(1)
75	14.97	108.40	Open To Flow (2)
110	15.88	109.62	Shut-In(2)
138	23.68	110.63	End Shut-In(2)
139	2059.99	111.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud-100%	0.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Flatirons Resources LLC.
303 E. 17th Ave. Ste. 940
Denver Co. 80203
ATTN: Tim Preist

2 12s 30w Gove Ks.
Heier-Rickner12-2
Job Ticket: 042933 **DST#: 4**
Test Start: 2011.11.11 @ 17:00:00

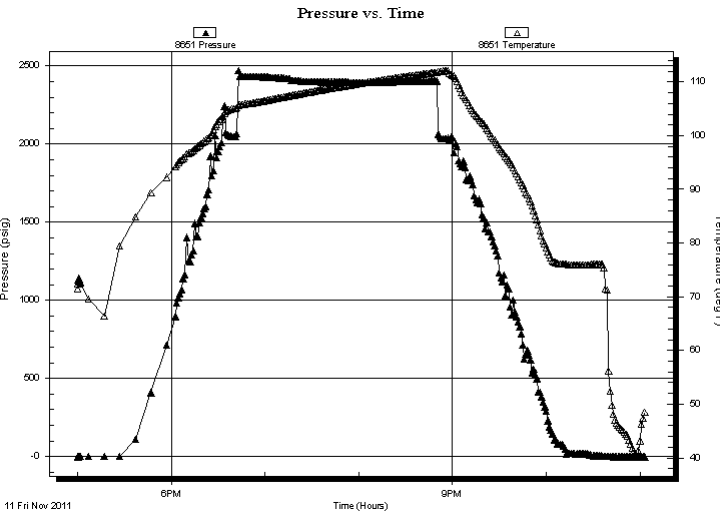
GENERAL INFORMATION:

Formation: **LKC-L**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 18:44:00 Tester: Chuck Kreuzer Jr.
Time Test Ended: 23:01:00 Unit No: 36
Interval: 4158.00 ft (KB) To 4187.00 ft (KB) (TVD) Reference Elevations: 2852.00 ft (KB)
Total Depth: 4201.00 ft (KB) (TVD) 2842.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8651 Below (Straddle)

Press @ Run Depth: psig @ 4188.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.11.11 End Date: 2011.11.11 Last Calib.: 2011.11.11
Start Time: 17:00:05 End Time: 23:02:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak blow, Died in 9 mins.
IS: No blow back over 30 mins.
FF: No blow over 30 mins.
FS: No blow back over 30 mins.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud-100%	0.03

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Flatirons Resources LLC.
303 E. 17th Ave. Ste. 940
Denver Co. 80203
ATTN: Tim Preist

2 12s 30w Gove Ks.
Heier-Rickner12-2
Job Ticket: 042933 **DST#: 4**
Test Start: 2011.11.11 @ 17:00:00

GENERAL INFORMATION:

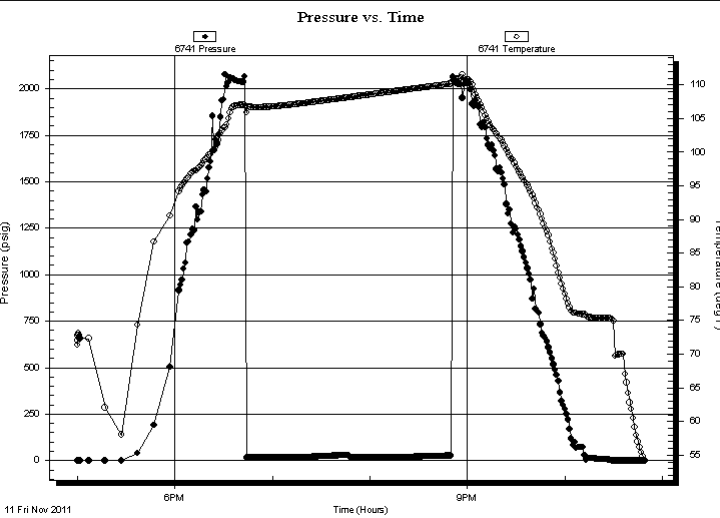
Formation: LKC-L			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Straddle (Reset)	
Time Tool Opened: 18:44:00		Tester: Chuck Kreuzer Jr.	
Time Test Ended: 23:01:00		Unit No: 36	
Interval: 4158.00 ft (KB) To 4187.00 ft (KB) (TVD)		Reference Elevations: 2852.00 ft (KB)	
Total Depth: 4201.00 ft (KB) (TVD)		2842.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 10.00 ft	

Serial #: 6741

Outside

Press @RunDepth: psig @ 4162.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2011.11.11 End Date: 2011.11.11	Last Calib.: 2011.11.11
Start Time: 17:00:05 End Time: 22:49:29	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: Weak blow , Died in 9 mins.
 IS: No blow back over 30 mins.
 FF: No blow over 30 mins.
 FS: No blow back over 30 mins.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud-100%	0.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC.

2 12s 30w Gove Ks.

303 E. 17th Ave. Ste. 940
Denver Co. 80203

Heier-Rickner12-2

Job Ticket: 042933

DST#: 4

ATTN: Tim Preist

Test Start: 2011.11.11 @ 17:00:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.47 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud-100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

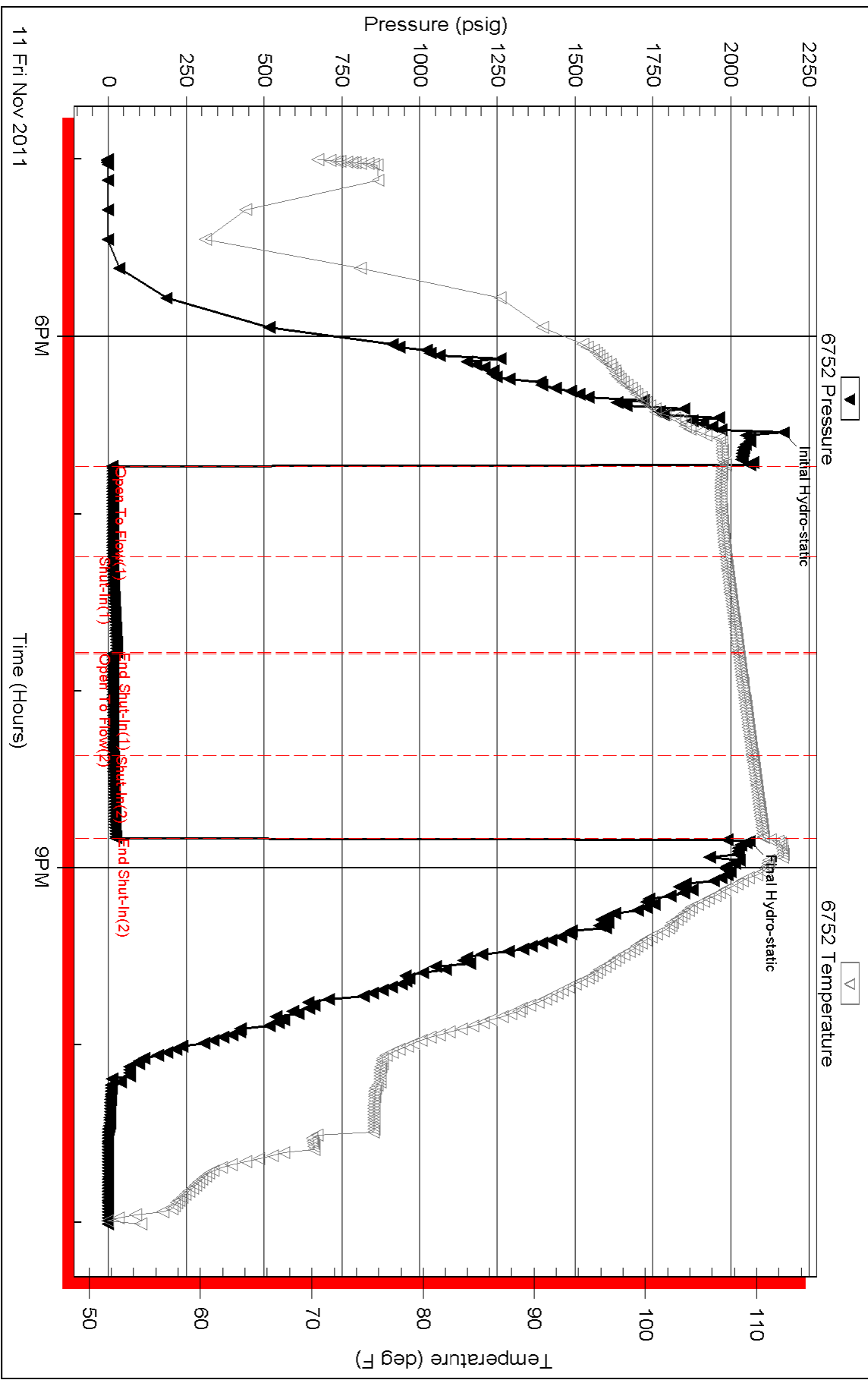
Serial #:

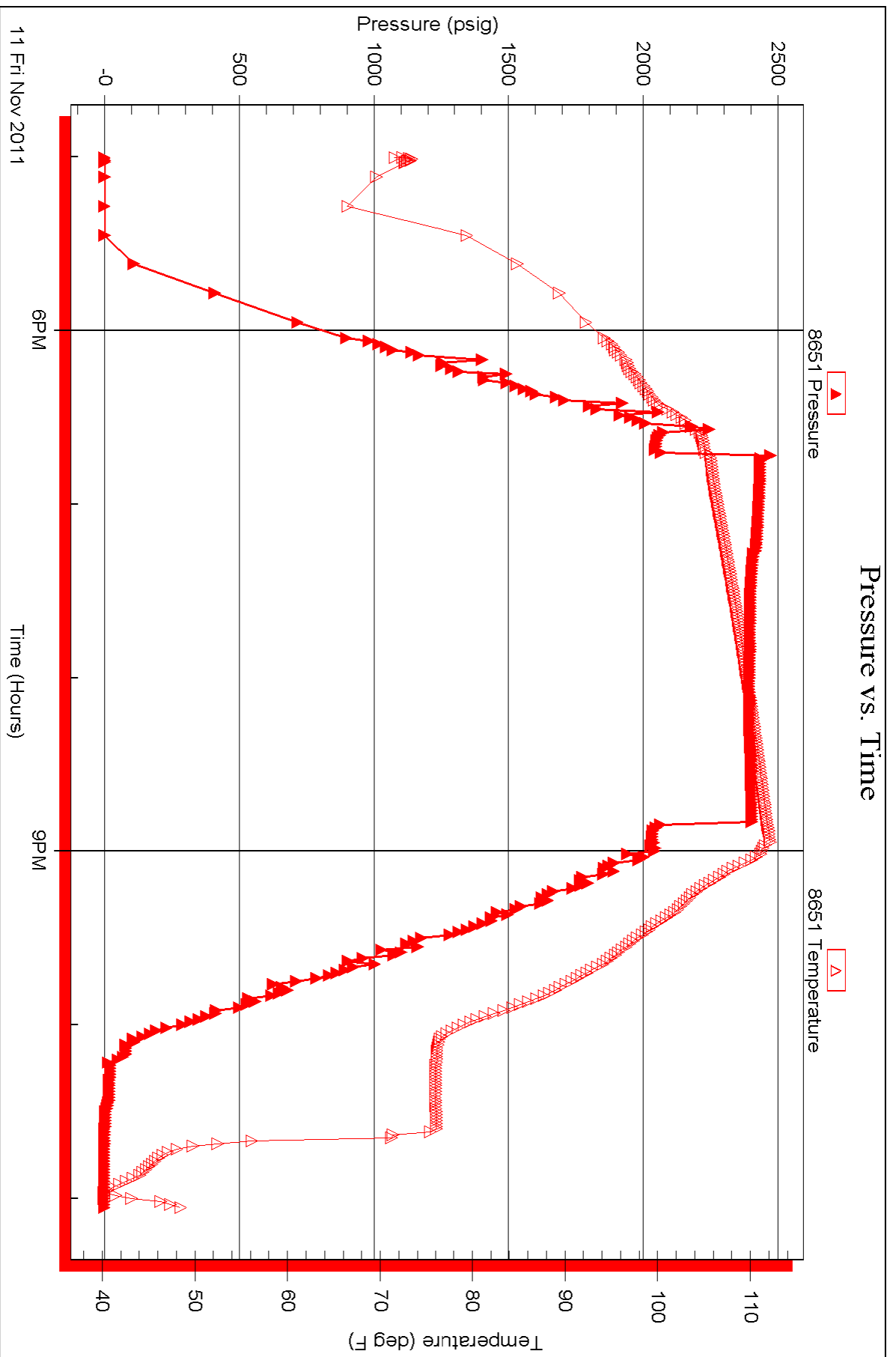
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



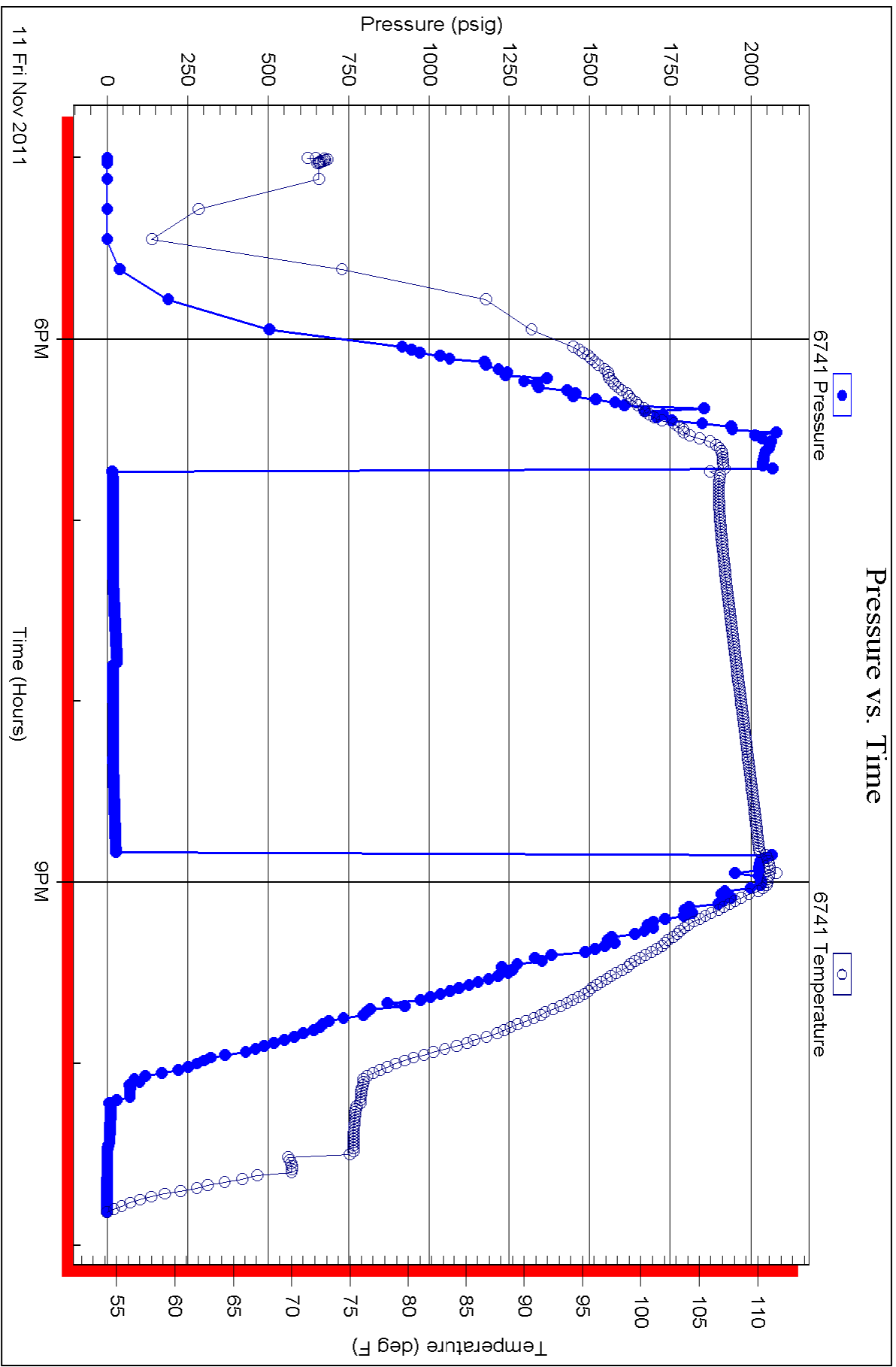


Serial #: 6741

Outside Flatirons Resources LLC.

Heier-Rickner12-2

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Flatirons Resources LLC.
303 E. 17th Ave. Ste. 940
Denver Co. 80203
ATTN: Tim Preist

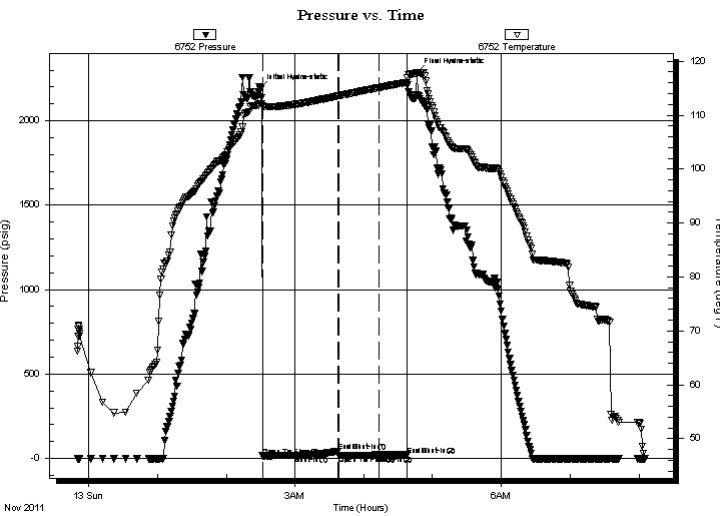
2 12s 30w Gove Ks.
Heier-Rickner12-2
Job Ticket: 042934 **DST#: 5**
Test Start: 2011.11.12 @ 23:50:00

GENERAL INFORMATION:

Formation: **FT. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:31:30
Time Test Ended: 08:05:00
Interval: **4373.00 ft (KB) To 4410.00 ft (KB) (TVD)**
Total Depth: 4410.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 2852.00 ft (KB)
2842.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6752 Inside
Press @ Run Depth: 20.64 psig @ 4376.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.11.12 End Date: 2011.11.13 Last Calib.: 2011.11.13
Start Time: 23:50:20 End Time: 08:04:59 Time On Btm: 2011.11.13 @ 02:29:30
Time Off Btm: 2011.11.13 @ 04:46:30

TEST COMMENT: IF: Weak blow, Died in 8 mins.
IS: No blow back over 30 mins.
FF: No blow over 30 mins.
FS: No blow back over 30 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.40	112.14	Initial Hydro-static
2	15.14	111.80	Open To Flow (1)
31	17.72	111.99	Shut-In(1)
68	43.28	113.55	End Shut-In(1)
69	19.16	113.56	Open To Flow (2)
104	20.64	115.12	Shut-In(2)
128	21.68	116.08	End Shut-In(2)
137	2286.78	117.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	mud w ith oil specs	0.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC.

2 12s 30w Gove Ks.

303 E. 17th Ave. Ste. 940
Denver Co. 80203

Heier-Rickner12-2

Job Ticket: 042934

DST#: 5

ATTN: Tim Preist

Test Start: 2011.11.12 @ 23:50:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	mud w ith oil specs	0.040

Total Length: 8.00 ft Total Volume: 0.040 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

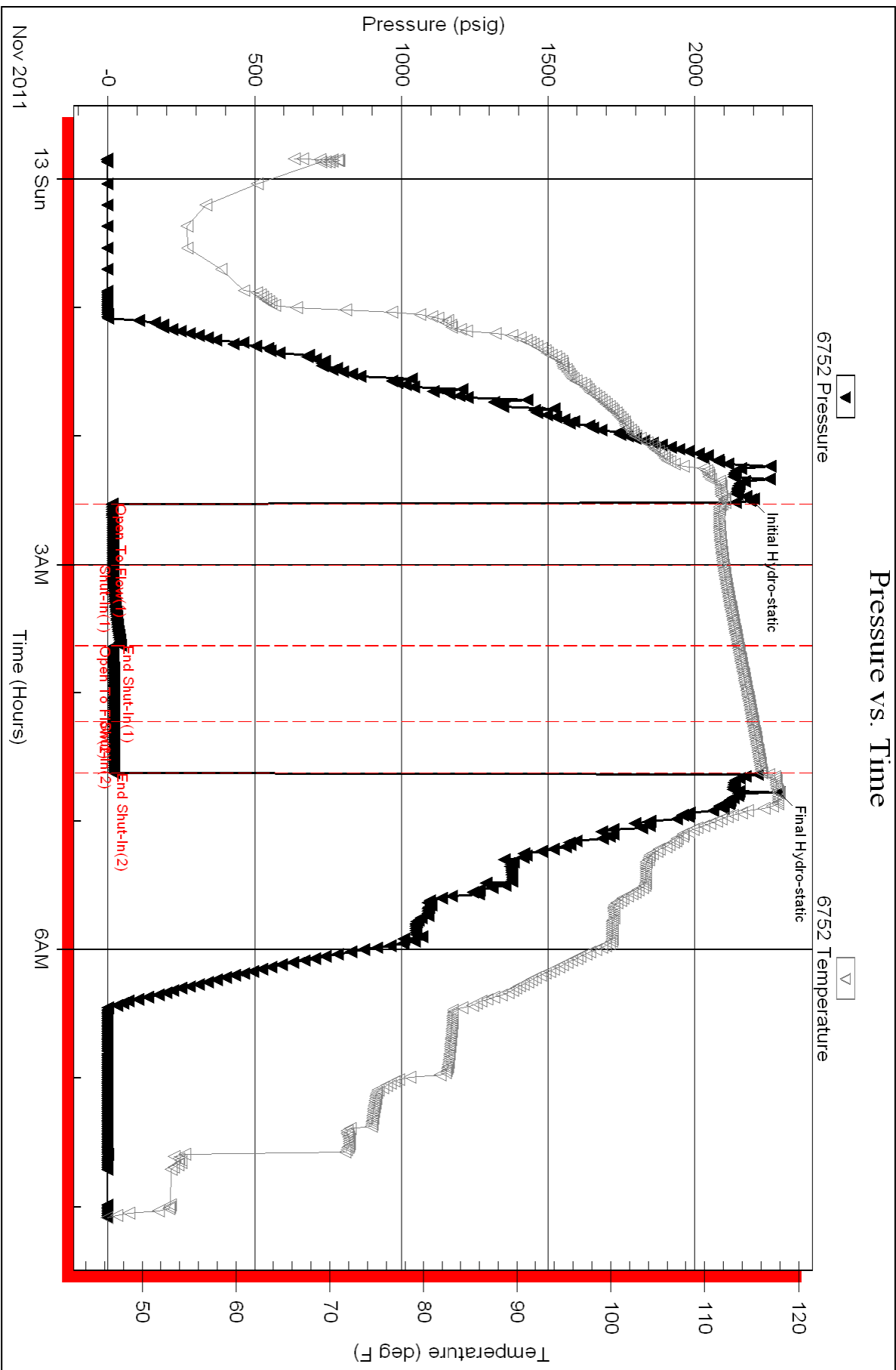
Serial #: 6752

Inside

Flatirons Resources LLC.

Heier-Rickner12-2

DST Test Number: 5



ALLIED CEMENTING CO., LLC. 035277

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Dakley

DATE <i>11-3-11</i>	SEC <i>2</i>	TWE <i>12s</i>	RANGE <i>30W</i>	CALLED OUT	ON LOCATION	JOB START <i>3:20 AM</i>	JOB FINISH <i>4:00 AM</i>
LEASE <i>Heier-Rickper unit</i>		WELL.# <i>12-2</i>	LOCATION <i>Grinnell 4S 18E</i>		COUNTY <i>Gove</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <i>NEW</i>			SINTO				

CONTRACTOR *H D #2*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *270'*

CASING SIZE *8 5/8* DEPTH *270'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LBFT IN CSG. *15'*

PERFS.

DISPLACEMENT *16.24 OBL*

EQUIPMENT

OWNER *same*

CEMENT AMOUNT ORDERED *125 sks com*

3% O.C. 2969.2

COMMON	<i>125 sks</i>	@	<i>16.25</i>	<i>2843.25</i>
POZMIX		@		
GEL	<i>3 sks</i>	@	<i>21.25</i>	<i>63.25</i>
CHLORIDE	<i>6 sks</i>	@	<i>58.20</i>	<i>349.20</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>184 sks</i>	@	<i>2.25</i>	<i>414.00</i>
MILEAGE	<i>114 sk/mile</i>			<i>364.32</i>
				TOTAL <i>4035.02</i>

PUMP TRUCK CEMENTER *Andrew*

423-281 HELPER *Jerry*

BULK TRUCK

404 DRIVER *Brandon*

BULK TRUCK

DRIVER

REMARKS:

Cement did circulate

Thank you

SERVICE

DEPTH OF JOB *270'*

PUMP TRUCK CHARGE *1125.00*

EXTRA FOOTAGE @

MILEAGE *18 miles x 2* @ *7.00* *252.00*

MANIFOLD *head* @ *200.00*

Light vehicle @ *4.00* *144.00*

@

TOTAL *1721.00*

CHARGE TO: *Flat Iron Resources*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Brad Roberts*

SIGNATURE *Brad Roberts*

	@	
	@	
	@	
	@	
	@	
TOTAL		
SALES TAX (If Any)		
TOTAL CHARGES		
DISCOUNT		IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 035929

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
OAKLEY

DATE <u>11-15-11</u>	SEC. <u>2</u>	TWP <u>12.5</u>	RANGE <u>36W</u>	CALLED OUT	ON LOCATION <u>5:00 AM</u>	JOB START <u>7:30 AM</u>	JOB FINISH <u>8:00 AM</u>
LEASE <u>CONCRETE</u>	WELL # <u>12-2</u>	LOCATION <u>GRANELL 53-1/2 S 27th</u>			COUNTY <u>GOVE</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>H.D. DOLG RAY</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8'</u>	T.D. <u>2710</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2330'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT	
AMOUNT ORDERED	<u>205 SKS 60/40 PAZ 42.921 10" 40-50#</u>
COMMON	<u>123 SKS @ 16.25 1998.75</u>
POZMIX	<u>82 SKS @ 8.50 697.00</u>
GEL	<u>7 SKS @ 21.25 148.75</u>
CHLORIDE	@
ASC	@

EQUIPMENT

PUMP TRUCK # <u>427</u>	CEMENTER <u>TERRY</u>	HELPER <u>WAYNE</u>
BULK TRUCK # <u>347</u>	DRIVER <u>BRANDON</u>	
BULK TRUCK #	DRIVER	

<u>FLO-SEAL 51"</u>	@	<u>2.25</u>	<u>137.25</u>
HANDLING	@	<u>2.25</u>	<u>477.00</u>
MILEAGE	<u>114 PER BK / MILE</u>		<u>419.76</u>
TOTAL			<u>3878.76</u>

REMARKS:

<u>25 SKS AT 2330'</u>
<u>100 SKS AT 1850'</u>
<u>40 SKS AT 320'</u>
<u>10 SKS AT 110'</u>
<u>30 SKS RAY HOLE</u>

Thank you

CHARGE TO: FLATIRON RESOURCES

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2330'</u>	
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>18 X 2</u>	@ <u>7.00</u> <u>252.00</u>
MANIFOLD	@	
<u>RIGHT VEHICLE 18 X 2</u>	@ <u>4.00</u>	<u>144.00</u>
TOTAL		<u>1646.00</u>

PLUG & FLOAT EQUIPMENT

<u>1-8 3/4" wooden plug</u>		<u>92.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>92.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Gilbert Smith

SIGNATURE Gilbert Smith

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC.

035277

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>11-3-11</u>	SEC <u>2</u>	TWP. <u>12s</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:20 AM</u>	JOB FINISH <u>4:00 AM</u>
LEASEE <u>Heier-Rickper</u>				LOCATION <u>Grinnell 4s 18E</u>		COUNTY <u>GOVE</u>	STATE <u>KS</u>
WELL # <u>12-2</u>		LOCATION <u>Sinto</u>					
OLD OR NEW (Circle one) <u>OLD</u>							

CONTRACTOR H D #2

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>270'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>270'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT

CEMENT LBFT IN CSG. 15'

PERFS.

DISPLACEMENT 16.84 OBL

EQUIPMENT

OWNER same

CEMENT

AMOUNT ORDERED 125 SKS COM

37600 29692

COMMON <u>125 sks</u>	@ <u>16.25</u>	<u>2843.25</u>
POZMIX	@	
GEL <u>3 sks</u>	@ <u>21.25</u>	<u>63.25</u>
CHLORIDE <u>6 sks</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>184 sks</u>	@ <u>2.25</u>	<u>414.00</u>
MILEAGE <u>110 sk/mile</u>		<u>364.32</u>
TOTAL		<u>403.02</u>

PUMP TRUCK CEMENTER Andrew

423-281 HELPER Jerry

BULK TRUCK DRIVER Brandon

404

BULK TRUCK DRIVER

#

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Flat Iron Resources

STREET

CITY STATE ZIP

SERVICE:

DEPTH OF JOB <u>270'</u>		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>18 miles x 2</u>	@ <u>7.00</u>	<u>252.00</u>
MANIFOLD <u>head</u>	@	<u>200.00</u>
<u>Light vehicle</u>	@ <u>4.00</u>	<u>144.00</u>
	@	

TOTAL 1721.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Brad Roberts

SIGNATURE Brad Roberts

