



KANSAS CORPORATION COMMISSION 1074050
OIL & GAS CONSERVATION DIVISION

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 # _____

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: _____



1074050

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)</i> <i>(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	Lyon 42-2
Doc ID	1074050

Tops

Name	Top	Datum
Anhydrite top	2031	346
Anhydrite base	2063	314
Topeka	3386	-1009
Heebner	3595	-1218
Toronto	3618	-1241
Lansing	3629	-1252
Stark Shale	3805	-1428
Base Kansas City	3842	-1465



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Resources LLC

Lyon #42-2

303 E 17th Ave STE 940
Denver, CO 80203

2/8s/24w Graham KS

ATTN: Roger Moses

Job Ticket: 042011

DST#: 1

Test Start: 2011.05.16 @ 10:24:00

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:18:30

Time Test Ended: 16:39:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3766.00 ft (KB) To 3800.00 ft (KB) (TVD)

Reference Elevations: 2377.00 ft (KB)

Total Depth: 3800.00 ft (KB) (TVD)

2370.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 102.45 psig @ 3767.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.16

End Date:

2011.05.16

Last Calib.:

2011.05.16

Start Time: 10:24:05

End Time:

16:38:59

Time On Btm:

2011.05.16 @ 12:16:00

Time Off Btm:

2011.05.16 @ 14:31:00

TEST COMMENT: IF: Blow built to BOB (11") in 3 1/2 min.
IS: No blow back
FF: Blow built to BOB in 3 min.
FS: Blow back built to 2", then died back

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.62	104.29	Initial Hydro-static
3	45.27	104.19	Open To Flow (1)
13	51.67	108.44	Shut-In(1)
42	616.89	108.80	End Shut-In(1)
43	56.57	108.59	Open To Flow (2)
72	102.45	110.14	Shut-In(2)
133	605.41	111.90	End Shut-In(2)
135	1835.01	111.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	SMCGO 50%g, 43%o, 7%m	0.43
144.00	GMCO 49%o, 32%g, 19%m	2.02
65.00	CO 92%o, 6%g, 2%m	0.91
0.00	GIP = 630'	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC

Lyon #42-2

303 E 17th Ave STE 940
Denver, CO 80203

2/8s/24w Graham KS

Job Ticket: 042011

DST#: 1

ATTN: Roger Moses

Test Start: 2011.05.16 @ 10:24:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 5.60 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 40.6 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

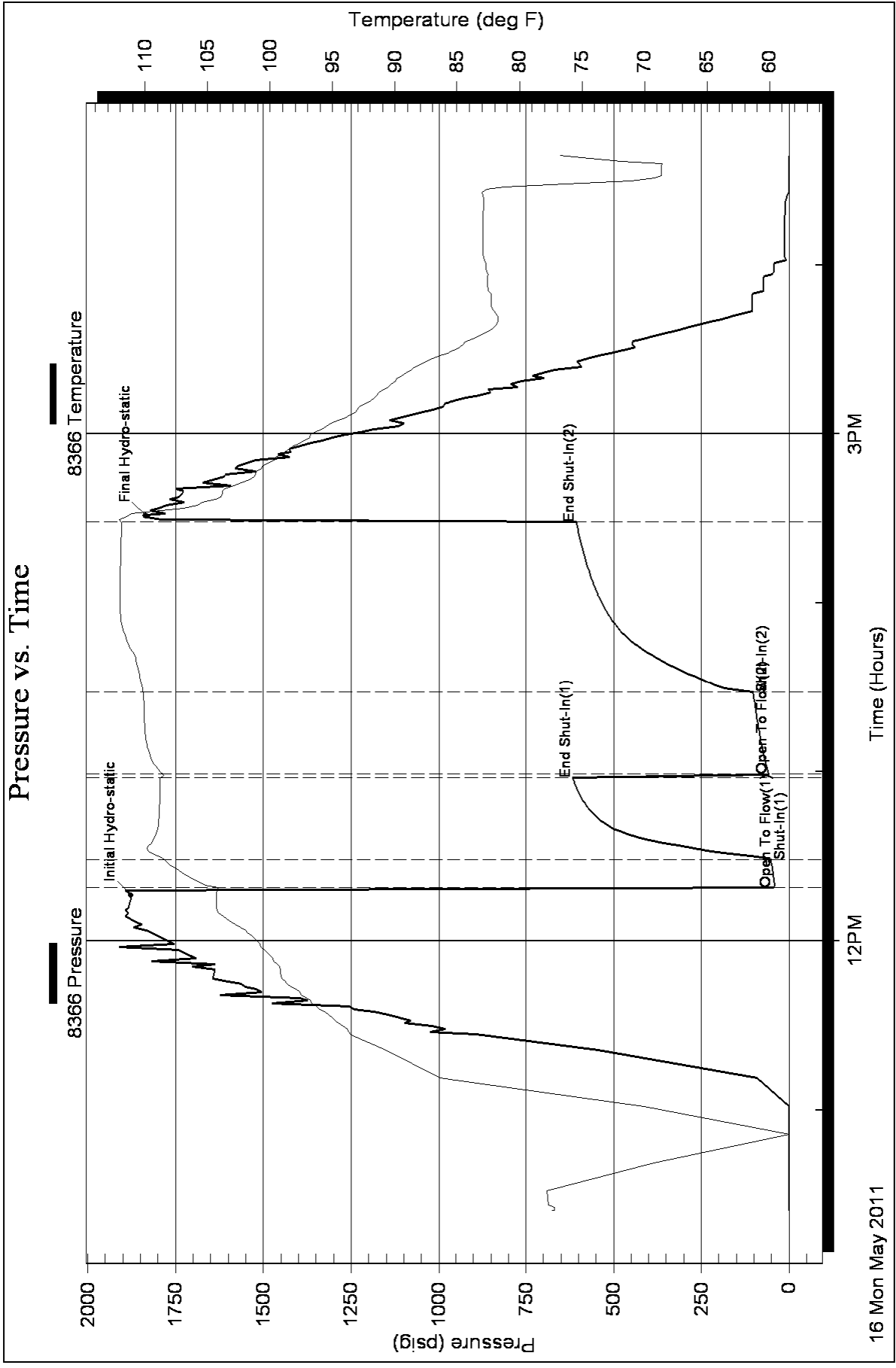
Length ft	Description	Volume bbl
31.00	SMCGO 50%g, 43%o, 7%m	0.435
144.00	GMCO 49%o, 32%g, 19%m	2.020
65.00	CO 92%o, 6%g, 2%m	0.912
0.00	GIP = 630'	0.000

Total Length: 240.00 ft Total Volume: 3.367 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 42.8 api @ 82 deg F
Corrected Gravity = 40.6 api





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Flatirons Resources LLC

Lyon #42-2

303 E 17th Ave STE 940
Denver, CO 80203

2/8s/24w Graham KS

ATTN: Roger Moses

Job Ticket: 042012

DST#: 2

Test Start: 2011.05.17 @ 03:57:00

GENERAL INFORMATION:

Formation: **LKC "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:48:30

Time Test Ended: 09:47:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3816.00 ft (KB) To 3853.00 ft (KB) (TVD)

Reference Elevations: 2377.00 ft (KB)

Total Depth: 3853.00 ft (KB) (TVD)

2370.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8366

Inside

Press @ RunDepth: 18.96 psig @ 3817.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.17

End Date:

2011.05.17

Last Calib.:

2011.05.17

Start Time:

03:57:05

End Time:

09:47:29

Time On Btm:

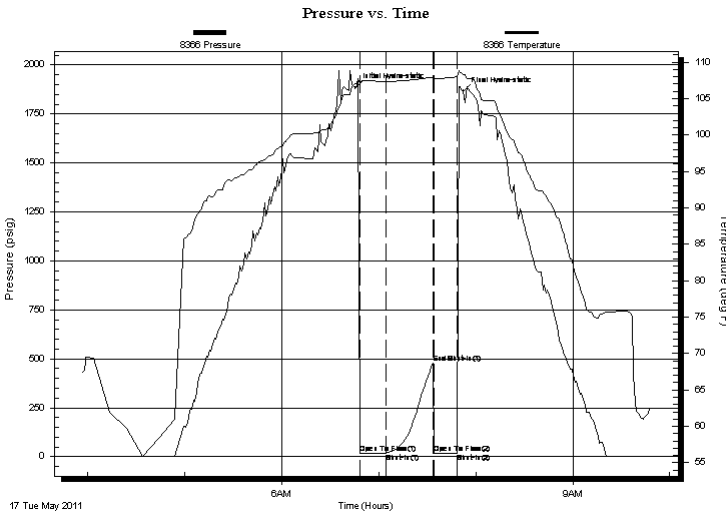
2011.05.17 @ 06:46:00

Time Off Btm:

2011.05.17 @ 07:52:30

TEST COMMENT: IF: Blow built to 3/4"
IS: No blow back
FF: No blow - Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.17	107.08	Initial Hydro-static
3	17.51	107.24	Open To Flow (1)
19	18.96	107.36	Shut-In(1)
48	476.70	107.95	End Shut-In(1)
48	19.43	107.77	Open To Flow (2)
63	19.65	108.01	Shut-In(2)
67	1864.87	108.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SOCM 97% m, 3% o	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC

Lyon #42-2

303 E 17th Ave STE 940
Denver, CO 80203

2/8s/24w Graham KS

Job Ticket: 042012

DST#: 2

ATTN: Roger Moses

Test Start: 2011.05.17 @ 03:57:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
2.00	SOCM 97% _m , 3% _o	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

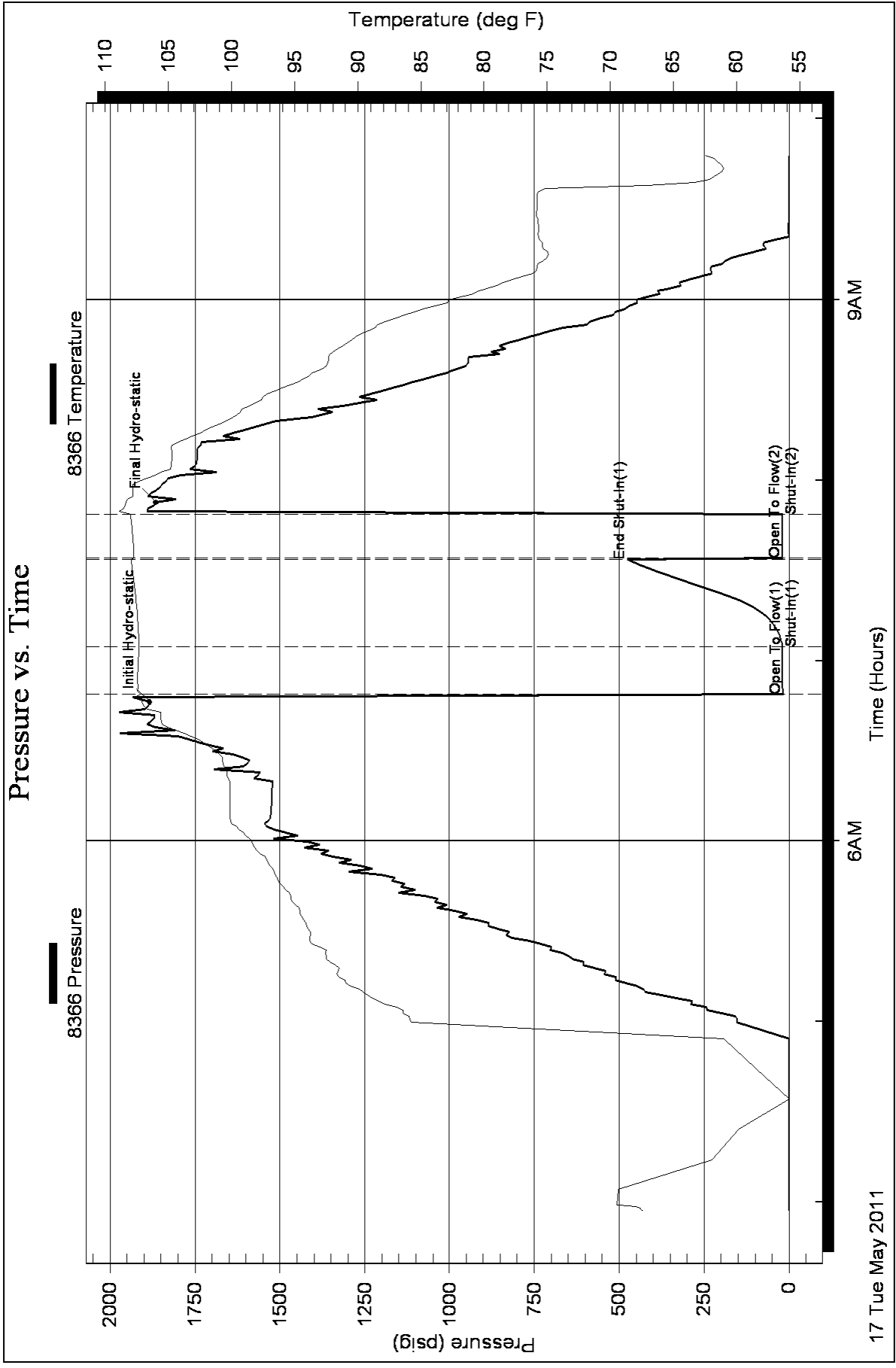
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Resources LLC

Lyon #42-2

303 E 17th Ave STE 940
Denver, CO 80203

2/8s/24w Graham KS

ATTN: Roger Moses

Job Ticket: 042013

DST#: 3

Test Start: 2011.05.17 @ 10:53:00

GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:14:00

Time Test Ended: 16:51:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3807.00 ft (KB) To 3853.00 ft (KB) (TVD)

Reference Elevations: 2377.00 ft (KB)

Total Depth: 3853.00 ft (KB) (TVD)

2370.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 20.52 psig @ 3808.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.17

End Date:

2011.05.17

Last Calib.:

2011.05.17

Start Time: 10:53:05

End Time:

16:50:59

Time On Btm:

2011.05.17 @ 12:12:00

Time Off Btm:

2011.05.17 @ 15:06:00

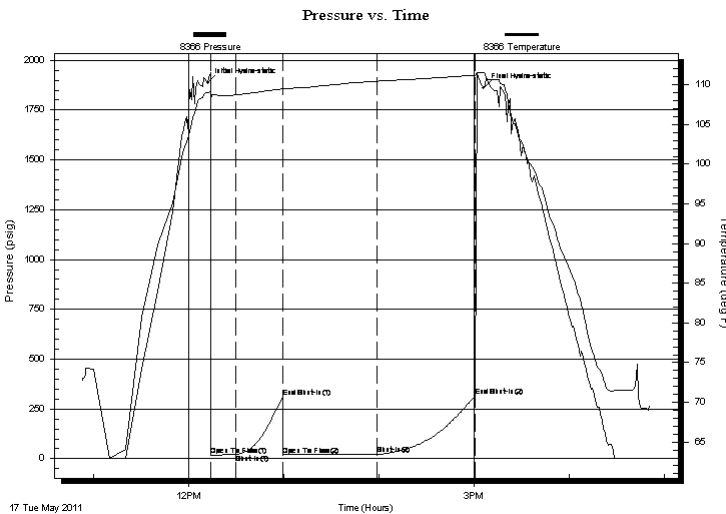
TEST COMMENT: IF: Blow built to 3/4"

IS: No blow back

FF: Surface blow for 10 min., then occasional bubbles

FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.36	109.05	Initial Hydro-static
2	19.11	108.00	Open To Flow (1)
18	19.77	108.73	Shut-In(1)
47	308.85	109.49	End Shut-In(1)
48	19.37	109.35	Open To Flow (2)
107	20.52	110.45	Shut-In(2)
169	314.90	111.22	End Shut-In(2)
174	1859.97	111.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud w /trace of oil 100%m	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC

Lyon #42-2

303 E 17th Ave STE 940
Denver, CO 80203

2/8s/24w Graham KS

Job Ticket: 042013

DST#: 3

ATTN: Roger Moses

Test Start: 2011.05.17 @ 10:53:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
4.00	Mud w /trace of oil 100%m	0.056

Total Length: 4.00 ft Total Volume: 0.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

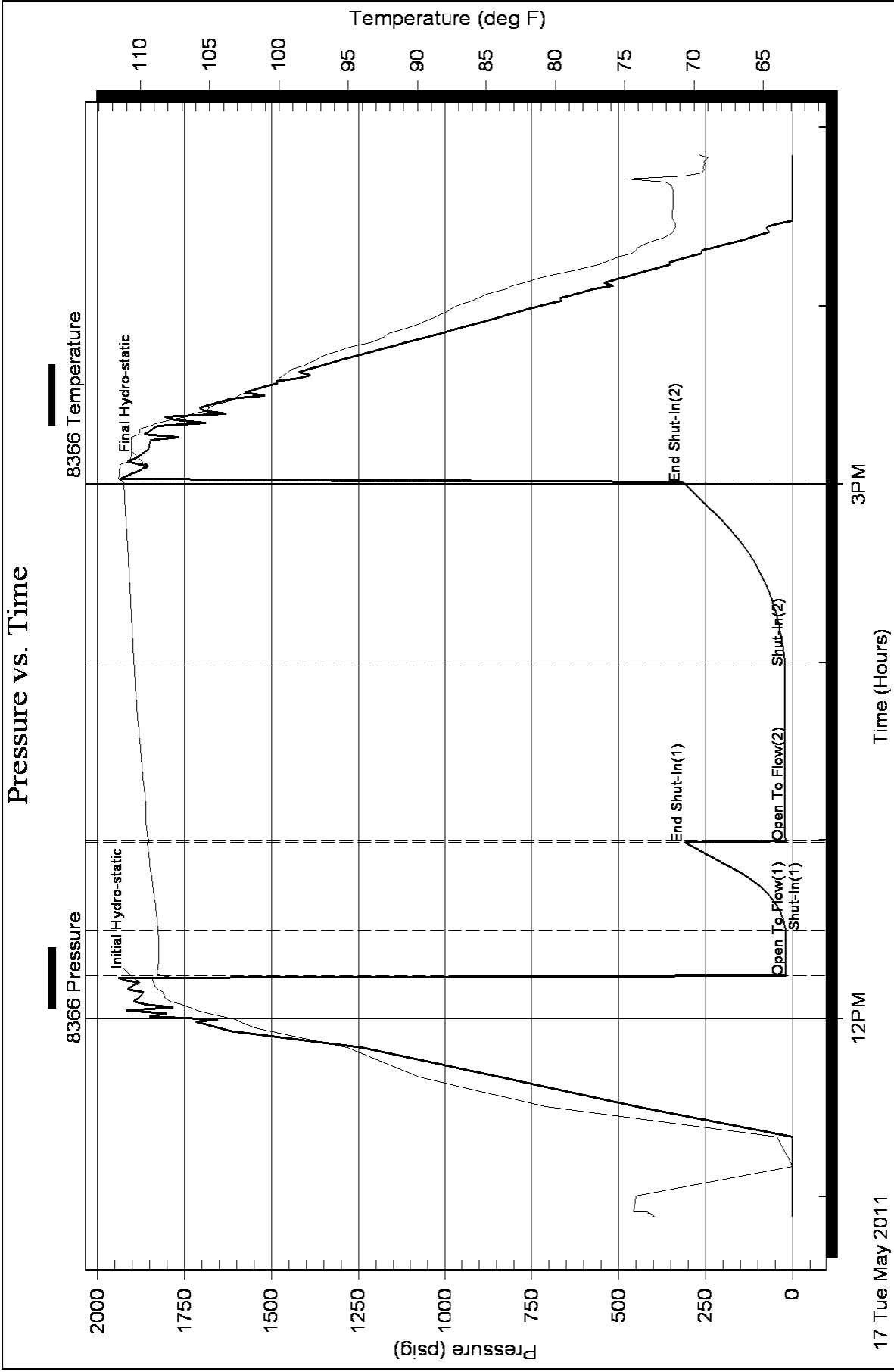
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Resources, LLC

Lyon #42-2

303 E. 17th Avenue
Suite 940
Denver, CO. 80203
ATTN: Roger Moses

2-8s-24w-Graham

Job Ticket: 42392

DST#: 4

Test Start: 2011.05.18 @ 08:03:42

GENERAL INFORMATION:

Formation: **C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:29:57

Time Test Ended: 15:25:27

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 54

Interval: 3649.00 ft (KB) To 3687.00 ft (KB) (TVD)

Reference Elevations: 2377.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2370.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8673

Inside

Press @ Run Depth: 357.95 psig @ 3658.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.18

End Date:

2011.05.18

Last Calib.:

2011.05.18

Start Time: 08:03:44

End Time:

15:25:27

Time On Btm:

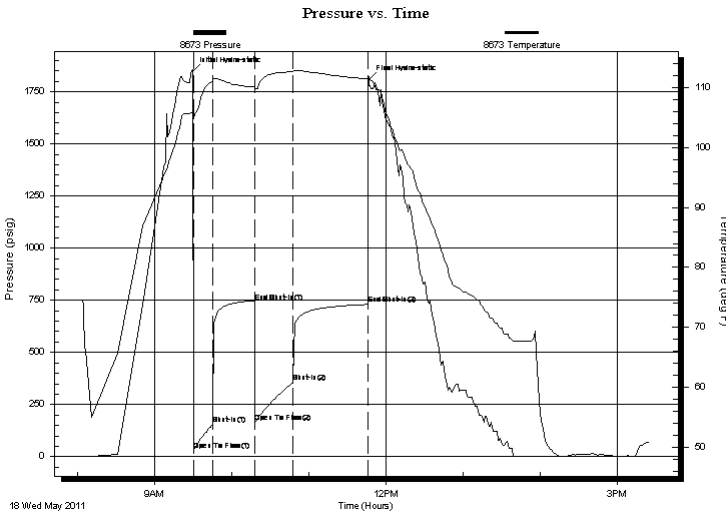
2011.05.18 @ 09:29:27

Time Off Btm:

2011.05.18 @ 11:46:12

TEST COMMENT: IFP-Strong, BOB in 4 Min.
ISI-Dead
FFP-Strong, BOB in 6 Min.
FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.54	105.94	Initial Hydro-static
1	32.52	104.86	Open To Flow (1)
16	157.24	111.21	Shut-In(1)
48	743.38	110.12	End Shut-In(1)
49	164.50	109.87	Open To Flow (2)
79	357.95	112.77	Shut-In(2)
136	730.31	111.52	End Shut-In(2)
137	1810.98	111.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
490.00	Muddy Water-90%W-10%M	6.87

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Lyon #42-2

303 E. 17th Avenue
Suite 940
Denver, CO. 80203
ATTN: Roger Moses

2-8s-24w-Graham

Job Ticket: 42392

DST#: 4

Test Start: 2011.05.18 @ 08:03:42

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:

65000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
490.00	Muddy Water-90%W-10%M	6.873

Total Length: 490.00 ft Total Volume: 6.873 bbl

Num Fluid Samples: 0

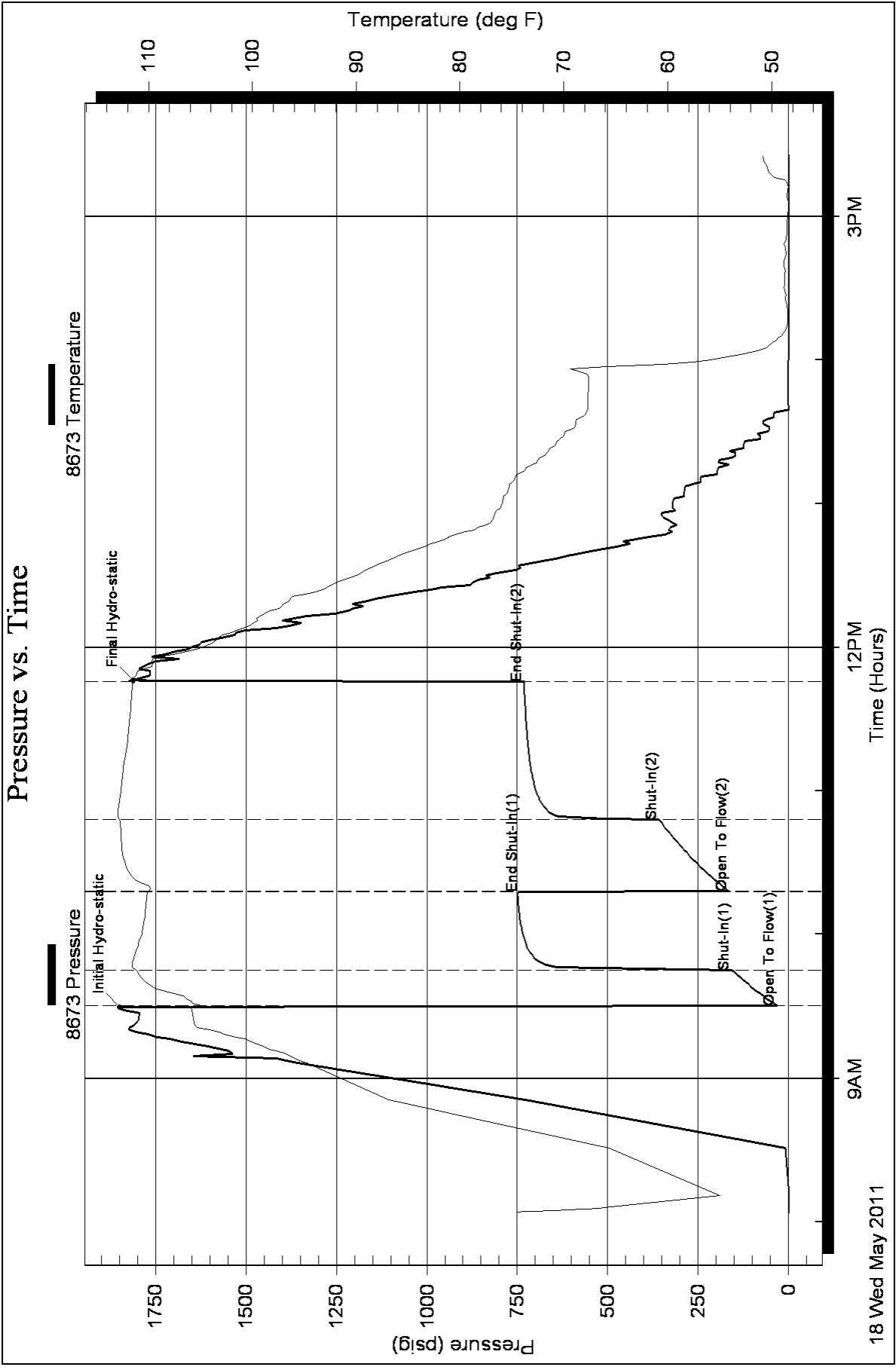
Num Gas Bombs: 0

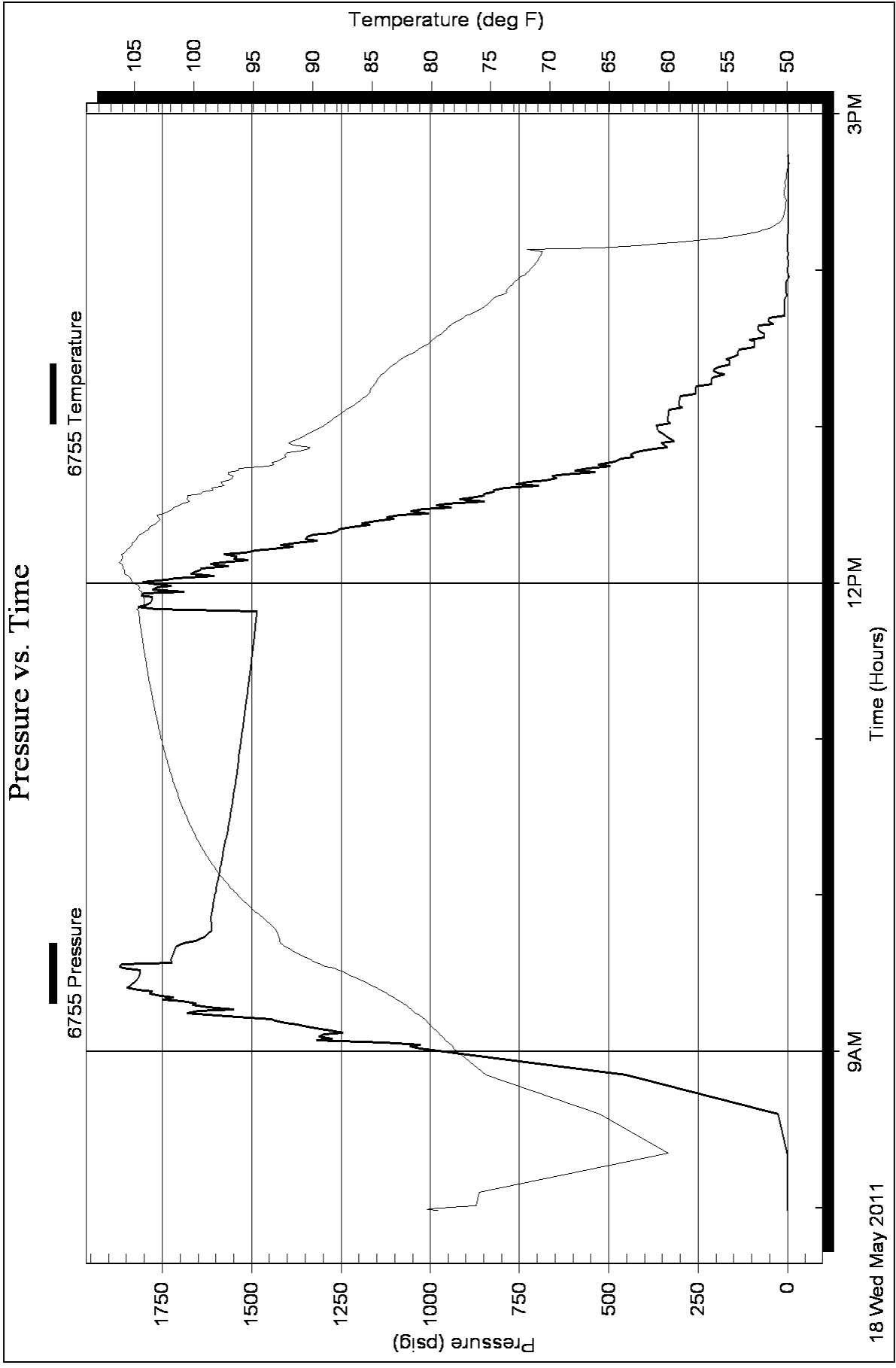
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 4637

Date	5-12-11	2	8	24	Range	42-2	County	Sebastian Kansas	State	On Location	2:15 PM	Finish
Lease	Legon	Well No.	42-2	Location + Purchase RW IF Sub								
Contractor	American Fast Rig 2											
Type Job	Surface											
Hole Size	12 1/4	T.D.	223	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.								
Csg.	8 1/2	Depth	223	Charge To: <u>Floticons Resources</u>								
Tbg. Size		Depth		Street								
Tool		Depth		City								
Cement Left in Csg.	10.15	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line		Displace	134	Cement Amount Ordered <u>170 Can 3500 2864</u> <u>Used 150</u>								
EQUIPMENT												
Pumptrk	5	No.		Cementer		Common	<u>70 150</u>					
				Helper	<u>Joe</u>	Poz. Mix						
Bulktrk		No.		Driver	<u>Blondel</u>	Gel.	<u>3</u>					
				Driver	<u>Boyer</u>	Calcium	<u>5</u>					
Bulktrk		No.		Driver	<u>Boyer</u>	Hulls						
				Driver	<u>Boyer</u>	Salt						
JOB SERVICES & REMARKS												
Remarks:												
Rat Hole												
Mouse Hole												
Centralizers												
Baskets												
D/V or Port Collar												
	Sand											
	Handling <u>179 150</u>											
	Mileage <u>FLOAT EQUIPMENT</u>											
	Gurde Shoe											
	Centralizer											
	Baskets											
	AFU Inserts											
	Float Shoe											
	Latch Down											
	Pumptrk Charge <u>Surface</u>											
	Mileage <u>29</u>											
	Tax											
	Discount											
	Total Charge											

X Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-288610

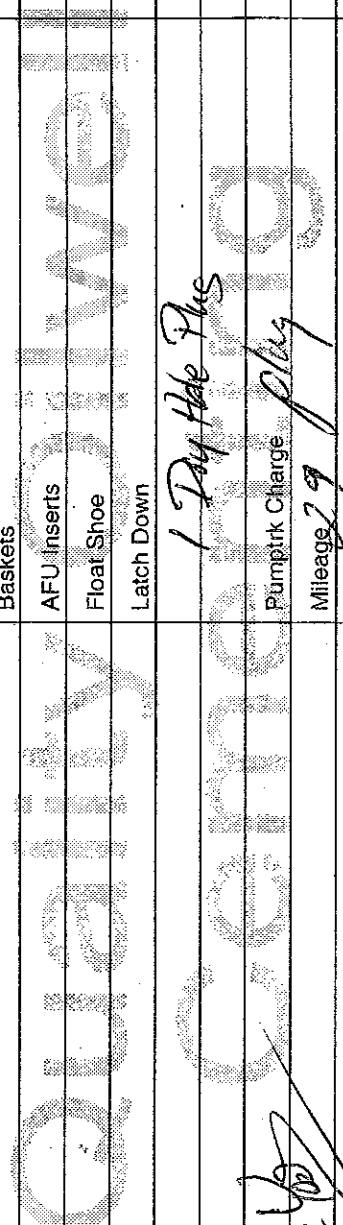
Phone 785-483-2025

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

No. 4646

Cell 785-324-1041

Date	5-18-11	Sec.	2	Twp.	8	Range	24	County	Staleon	State	Kansas	On Location	Finish
Lease	Lease	Well No.	472	Location Penokee 2N 1E									
Contractor	American Eagle Res												
Type Job	Plug												
Hole Size	7 7/8												
Csg.	T.D. 3880												
Tbg. Size	Depth												
Tool	Depth												
Cement Left in Csg.	Shoe Joint												
Meas Line	Displace												
EQUIPMENT													
Pumptrk	No.	Cement Helper	Star										
Bulktrk	No.	Driver	Plat										
Bulktrk	No.	Driver	Plat										
Bulktrk	No.	Driver	Plat										
JOB SERVICES & REMARKS													
Remarks:	Common 123												
Rat Hole	Salt												
Mouse Hole	Flowseal 50#												
Centralizers	Kol-Seal												
Baskets	Mud CLR 48												
D/V or Port Collar	CFL-117 or CD110 CAF 38												
1st Plug @	2050	25x											
2nd " @	1770	100x											
3rd " "	205	40x											
4th " "	40	10x											
Rest Hole	30x												
FLOAT EQUIPMENT													
Guide Shoe													
Centralizer													
Baskets													
AFU inserts													
Float Shoe													
Latch Down													
1 Day Hole Plug													
Pumptrk Charge plug													
Mileage 29													
Tax													
Discount													
Total Charge													




 Signature
 X