



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 # 34038
Name: Flatirons Resources LLC
Address 1: 303 E 17TH AVE STE 940
Address 2: _____
City: DENVER State: CO Zip: 80203 + _____
Contact Person: John Marvin
Phone: (303) 292-3902
CONTRACTOR: License # 33493
Name: American Eagle Drilling LLC
Wellsite Geologist: Roger Moses
Purchaser: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #: _____
5/12/2011 5/19/2011 5/19/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-065-23736-00-00
Spot Description: _____
SW SE SE NE Sec. 2 Twp. 8 S. R. 24 East West
2500 Feet from North / South Line of Section
400 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Graham
Lease Name: Lyon Well #: 42-2
Field Name: _____
Producing Formation: n/a
Elevation: Ground: 2370 Kelly Bushing: 7
Total Depth: 3880 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 214 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: 17000 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
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: Doanna Gantzer Date: 02/15/2012



1074050

Operator Name: Flatirons Resources LLC Lease Name: Lyon Well #: 42-2
 Sec. 2 Twp. 8 S. R. 24 East West County: Graham

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Borehole Compensated Sonic, Microresistivity, Dual Induction,	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	214	common	150	3%CaCl 2% gel

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: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (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

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

QUALITY OILWELL CEMENTING, INC.

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

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

No. 4637

Date		Sec.	Twp.	Range	County	State	On Location	Finish
5-12-11		2	8	24	Lebanon	Kansas		2:15 PM
Lease <i>Leigh</i>		Well No. <i>42-2</i>		Location <i>Poncha 2W 1E S10</i>				
Contractor <i>American Eagle Rig 2</i>					Owner			
Type Job <i>Surface</i>					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <i>12 1/4</i>		T.D. <i>223</i>			Charge To <i>Flatiron Resources</i>			
Csg. <i>8 3/8</i>		Depth <i>223</i>			Street			
Tbg. Size		Depth			City State			
Tool		Depth			City State			
Cement Left in Csg. <i>10-15'</i>		Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <i>1.74</i>			Cement Amount Ordered <i>170 Com 320 286</i>			
EQUIPMENT					<i>Used 150</i>			
Pumptrk <i>5</i>	No.	Cementer			Common <i>170 150</i>			
		Helper	<i>Stae</i>					
Bulktrk	No.	Driver	<i>Bondar</i>		Poz. Mix			
		Driver	<i>Rocky</i>		Gel. <i>3</i>			
Bulktrk	No.	Driver			Calcium <i>5</i>			
JOB SERVICES & REMARKS					Hulls			
Remarks:					Salt			
Rat Hole					Flowseal			
Mouse Hole					Kol-Seal			
Centralizers					Mud CLR 48			
Baskets					CFL-117 or CD110 CAF 38			
D/V or Port Collar					Sand			
<i>Cement - steel Circulate</i>					Handling <i>179 150</i>			
					Mileage			
					FLOAT EQUIPMENT			
					Guide Shoe			
					Centralizer			
					Baskets			
					AFU Inserts			
					Float Shoe			
					Latch Down			
					Pumptrk Charge <i>Surface</i>			
					Mileage <i>29</i>			
<i>Mark</i>					Tax			
					Discount			
					Total Charge			
X Signature								

QUALITY OILWELL CEMENTING, INC.

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

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

No. 4646

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-18-11	2	8	24	Graham	Kansas		
Lease <i>Lease</i>	Well No. <i>42-2</i>		Location <i>Reedee 2N 1E</i>				
Contractor <i>American Eagle RGR</i>				Owner			
Type Job <i>plug</i>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <i>78</i>		T.D. <i>3880</i>		Charge To <i>Flatiron Resources LLC</i>			
Csg.		Depth		Street			
Tbg. Size		Depth		City State			
Tool		Depth		City State			
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace		Cement Amount Ordered <i>205 @ 40 42 level</i>			
EQUIPMENT							
Pumptrk <i>9</i>	No.	Cementer <i>Steve</i>		Common <i>123</i>			
Bulktrk <i>10</i>	No.	Helper <i>Steve</i>		Poz. Mix <i>82</i>			
Bulktrk	No.	Driver <i>Paul</i>		Gel. <i>7</i>			
JOB SERVICES & REMARKS				Calcium			
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal <i>50#</i>			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<i>1st Plug @ 2050 25x</i>				Sand			
<i>2nd " @ 1270 100x</i>				Handling <i>2/2</i>			
<i>3rd " @ 205 40x</i>				Mileage			
<i>4th " @ 40 10x</i>				FLOAT EQUIPMENT			
<i>Rat Hole 30x</i>				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				<i>1 Day Hole Plug</i>			
				Pumptrk Charge <i>plug</i>			
				Mileage <i>29</i>			
Signature <i>Todd E. Mun</i>				Tax			
				Discount			
				Total Charge			



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

Job Ticket: 042011

DST#: 1

ATTN: Roger Moses

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@RunDepth: **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

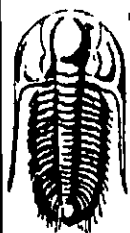
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.62	104.29	Initial Hydro-static
3	45.27	104.19	Open To Flow (1)
13	51.67	108.44	Shut-In(1)
42	616.89	108.80	End Shut-In(1)
43	56.57	108.59	Open To Flow (2)
72	102.45	110.14	Shut-In(2)
133	605.41	111.90	End Shut-In(2)
135	1835.01	111.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	SMCOG 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 (Mc/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	SMCO 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

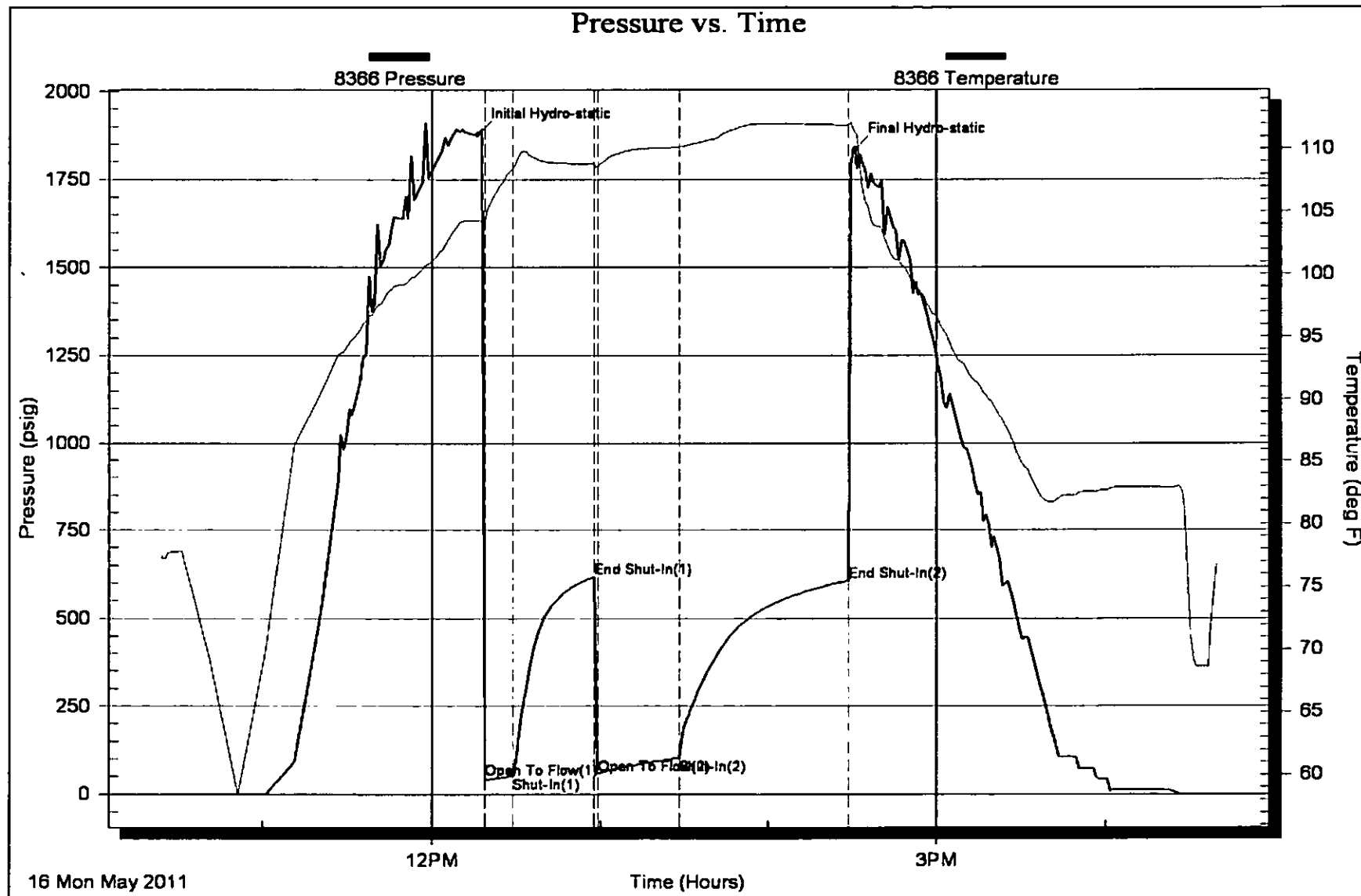
Num Gas Bombs: 0

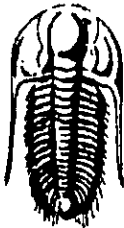
Serial #:

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

Job Ticket: 042012

DST#: 2

ATTN: Roger Moses

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**

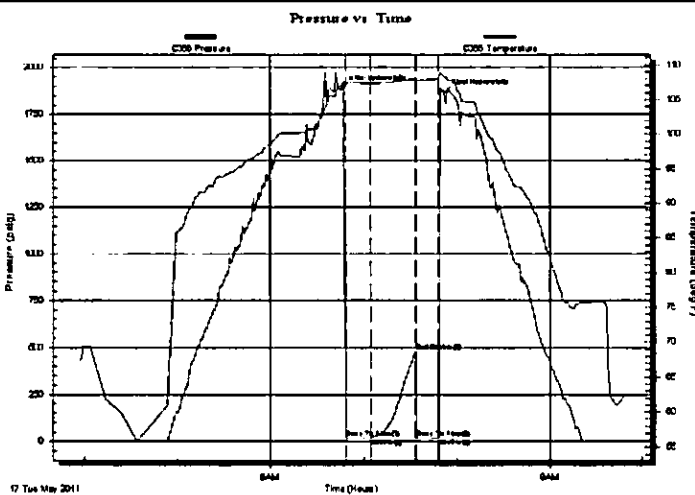
End Time:

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

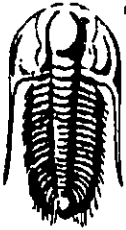
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.17	107.08	Initial Hydro-static
3	17.51	107.24	Open To Flow (1)
19	18.96	107.36	Shut-In(1)
48	476.70	107.95	End Shut-In(1)
48	19.43	107.77	Open To Flow (2)
63	19.65	108.01	Shut-In(2)
67	1864.87	108.34	Final Hydro-static

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	SOCM97% _m , 3% _o	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

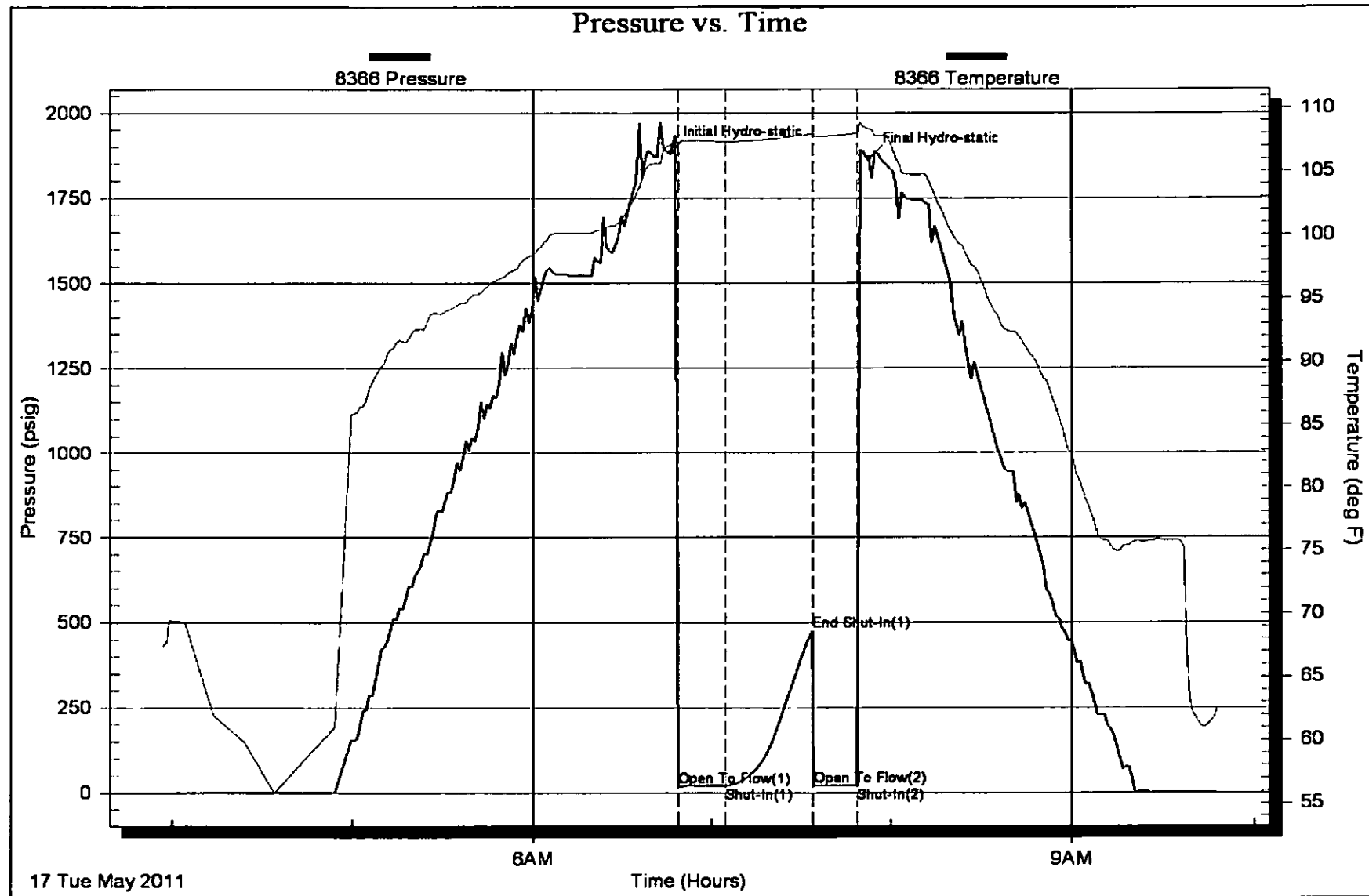
Num Gas Bombs: 0

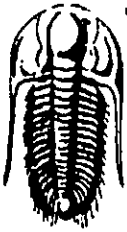
Serial #:

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

Job Ticket: 042013

DST#: 3

ATTN: Roger Moses

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@RunDepth: **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**

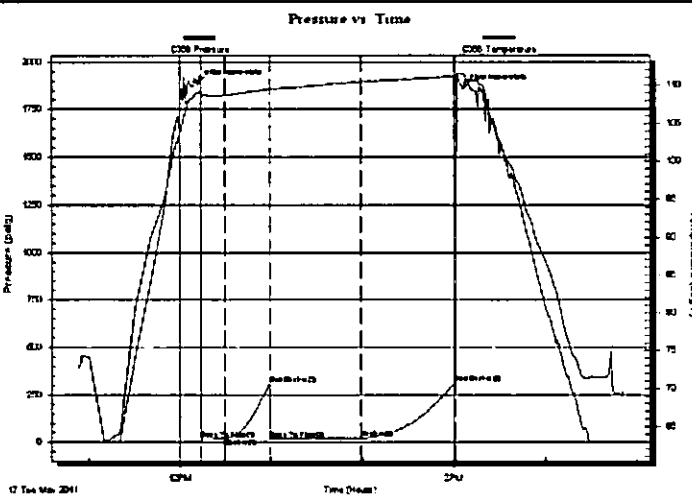
Time Off Btm: **2011.05.17 @ 15:06:00**

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 (Mc/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:

bbf

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 bbf
4.00	Mud w/trace of oil 100%m	0.056

Total Length: 4.00 ft

Total Volume: 0.056 bbf

Num Fluid Samples: 0

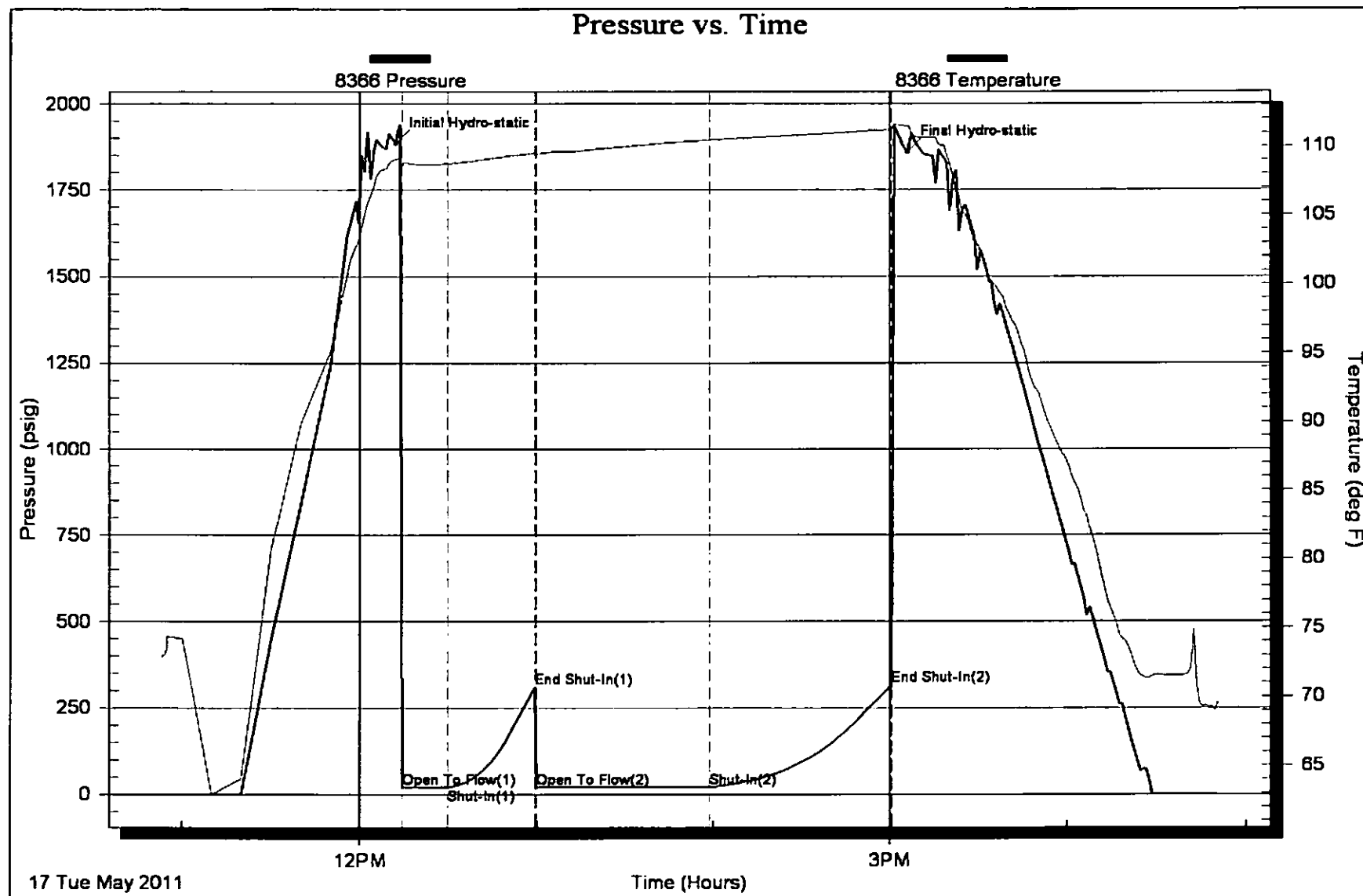
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Flatirons Resources, LLC

Lyon #42-2

303 E. 17th 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)**

Total Depth: **3880.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2377.00 ft (KB)**

2370.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 8673 **Inside**

Press@RunDepth: **357.95 psig @ 3658.00 ft (KB)**

Start Date: **2011.05.18**

End Date:

2011.05.18

Start Time: **08:03:44**

End Time:

15:25:27

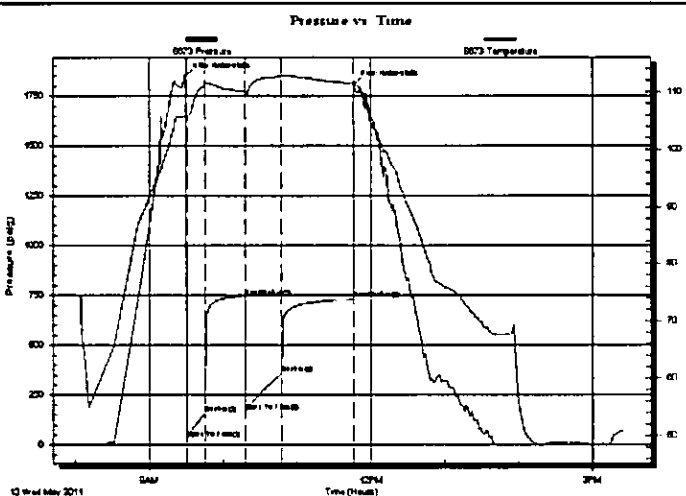
Capacity: **8000.00 psig**

Last Calib.: **2011.05.18**

Time On Btm: **2011.05.18 @ 09:29:27**

Time Off Btm: **2011.05.18 @ 11:46:12**

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



PRESSURE SUMMARY

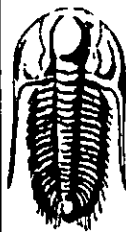
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.54	105.94	Initial Hydro-static
1	32.52	104.86	Open To Flow (1)
16	157.24	111.21	Shut-In(1)
48	743.38	110.12	End Shut-In(1)
49	164.50	109.87	Open To Flow (2)
79	357.95	112.77	Shut-In(2)
136	730.31	111.52	End Shut-In(2)
137	1810.98	111.83	Final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

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)**

Total Depth: **3880.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2377.00 ft (KB)**

2370.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 6755 Below (Straddle)

Press@RunDepth: **psig @ 3689.00 ft (KB)**

Start Date: **2011.05.18**

End Date:

2011.05.18

Capacity: **8000.00 psig**

Last Calib.:

2011.05.18

Start Time: **07:58:50**

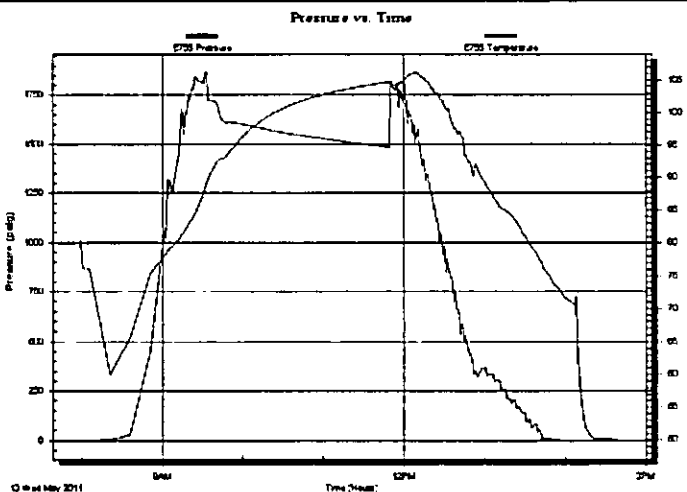
End Time:

14:43:48

Time On Btm:

Time Off Btm:

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



PRESSURE SUMMARY

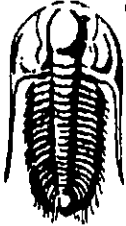
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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)



**TRIOLOBITE
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:

bbl

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 bbl
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:

