



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Flatiorns Resources LLC

22-16-28

303 Ave STE 940
Denver CO, 80203

SRC 42-22

Job Ticket: 44329

DST#: 1

ATTN: Clayton Erickson

Test Start: 2011.10.10 @ 14:26:00

GENERAL INFORMATION:

Formation: **Kansas City "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:23:30

Time Test Ended: 20:54:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 28

Interval: 4152.00 ft (KB) To 4178.00 ft (KB) (TVD)

Reference Elevations: 2663.00 ft (KB)

Total Depth: 4178.00 ft (KB) (TVD)

2658.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8675 Inside

Press@RunDepth: 92.26 psig @ 4153.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.10

End Date:

2011.10.10

Last Calib.: 2011.10.10

Start Time: 14:26:01

End Time:

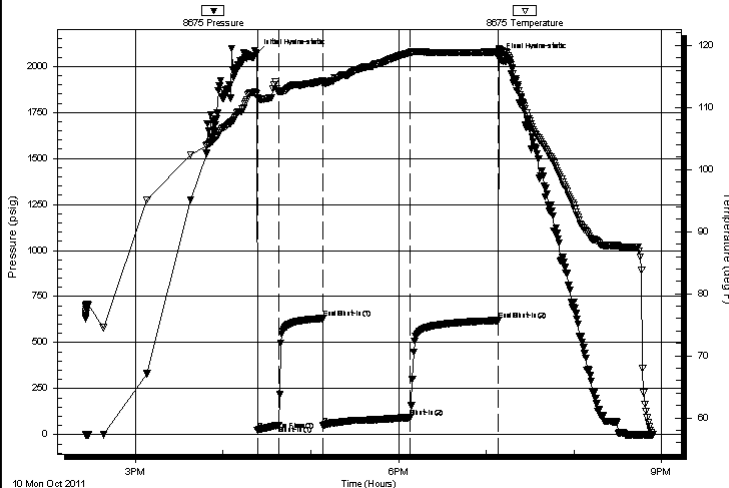
20:54:15

Time On Btm: 2011.10.10 @ 16:23:00

Time Off Btm: 2011.10.10 @ 19:09:00

TEST COMMENT: Built to 2" blow
No return blow
Built to 3" blow
Weak surface return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2070.38	112.28	Initial Hydro-static
1	25.09	111.55	Open To Flow (1)
16	51.63	112.63	Shut-In(1)
45	630.81	114.23	End Shut-In(1)
46	52.64	113.86	Open To Flow (2)
105	92.26	118.85	Shut-In(2)
165	619.97	118.95	End Shut-In(2)
166	2047.16	119.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	mcw 10%M 90%W with oil spot	0.87

Gas Rates

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

Flatiorns Resources LLC

22-16-28

303 Ave STE 940
Denver CO, 80203

SRC 42-22

Job Ticket: 44329

DST#: 1

ATTN: Clayton Erickson

Test Start: 2011.10.10 @ 14:26:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	mcw 10%M 90%W w ith oil spot	0.871

Total Length: 140.00 ft Total Volume: 0.871 bbl

Num Fluid Samples: 0

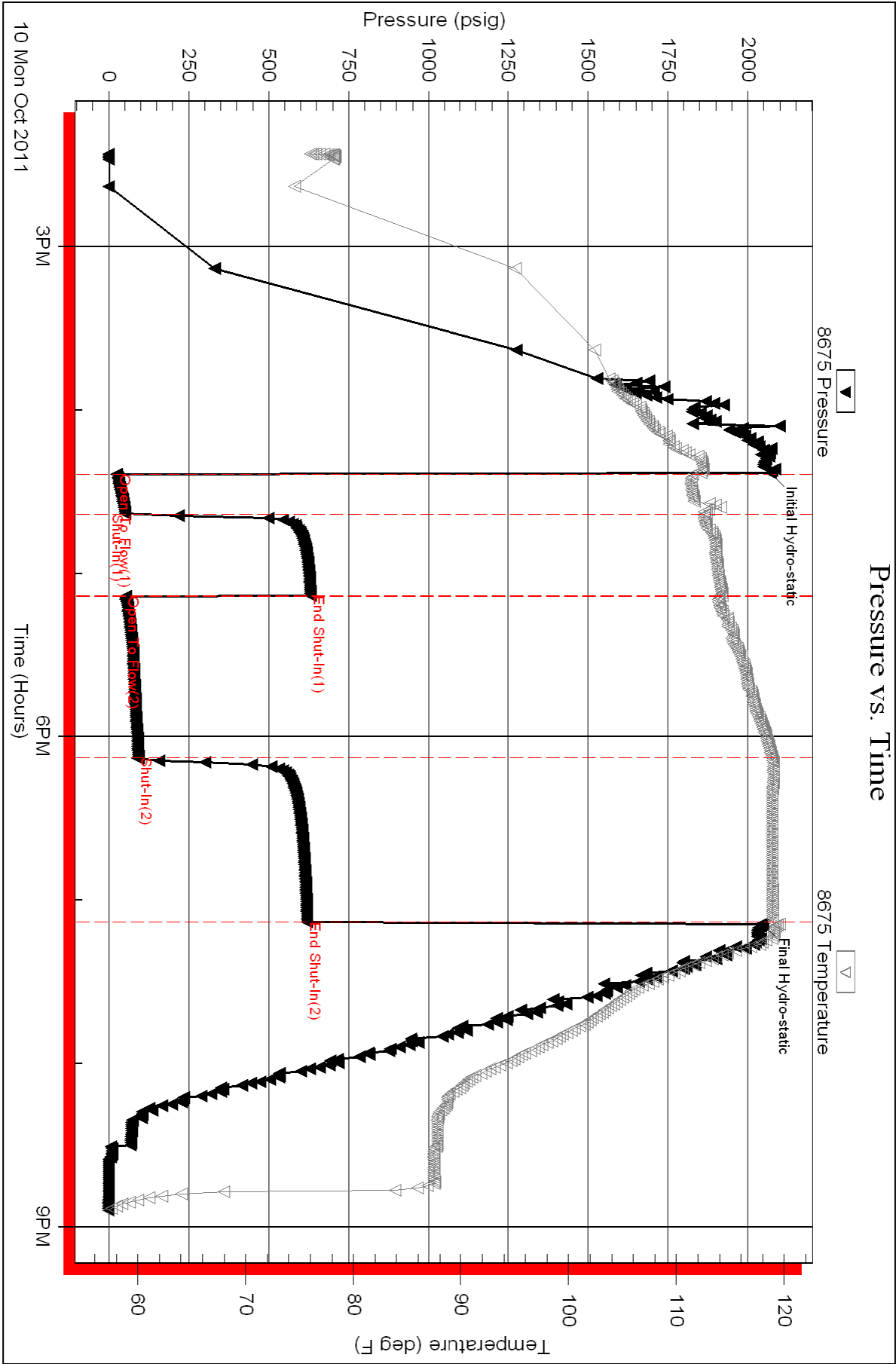
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .73 @ 60 F = 50,000





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DRILL STEM TEST REPORT

Flatiorns Resources LLC

22-16-28

303 Ave STE 940
Denver CO, 80203

SRC 42-22

Job Ticket: 44330

DST#: 2

ATTN: Clayton Erickson

Test Start: 2011.10.12 @ 05:35:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:14:30

Time Test Ended: 13:19:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 28

Interval: 4350.00 ft (KB) To 4392.00 ft (KB) (TVD)

Reference Elevations: 2663.00 ft (KB)

Total Depth: 4392.00 ft (KB) (TVD)

2658.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8675 Inside

Press@RunDepth: 57.89 psig @ 4351.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.12

End Date:

2011.10.12

Last Calib.: 2011.10.12

Start Time: 05:35:01

End Time:

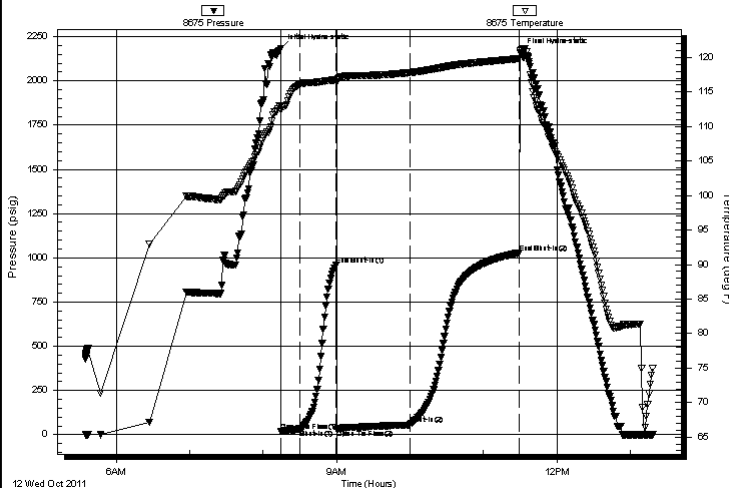
13:19:00

Time On Btm: 2011.10.12 @ 08:14:15

Time Off Btm: 2011.10.12 @ 11:30:15

TEST COMMENT: Built to 1 3/4" blow
No return blow
Built to 6" blow
Very weak surface return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.85	113.05	Initial Hydro-static
1	17.50	112.36	Open To Flow (1)
16	30.58	116.15	Shut-In(1)
45	957.14	116.74	End Shut-In(1)
46	32.14	116.39	Open To Flow (2)
106	57.89	117.81	Shut-In(2)
195	1026.52	119.83	End Shut-In(2)
196	2161.34	121.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
72.00	ocgmw 10%O 20%G 30%W 40%M	0.35

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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FLUID SUMMARY

Flatiorns Resources LLC

22-16-28

303 Ave STE 940
Denver CO, 80203

SRC 42-22

Job Ticket: 44330

DST#: 2

ATTN: Clayton Erickson

Test Start: 2011.10.12 @ 05:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
72.00	ocgmw 10%O 20%G 30%W 40%M	0.354

Total Length: 72.00 ft Total Volume: 0.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .1 @ 67 F = 70,000

Serial #: 8675

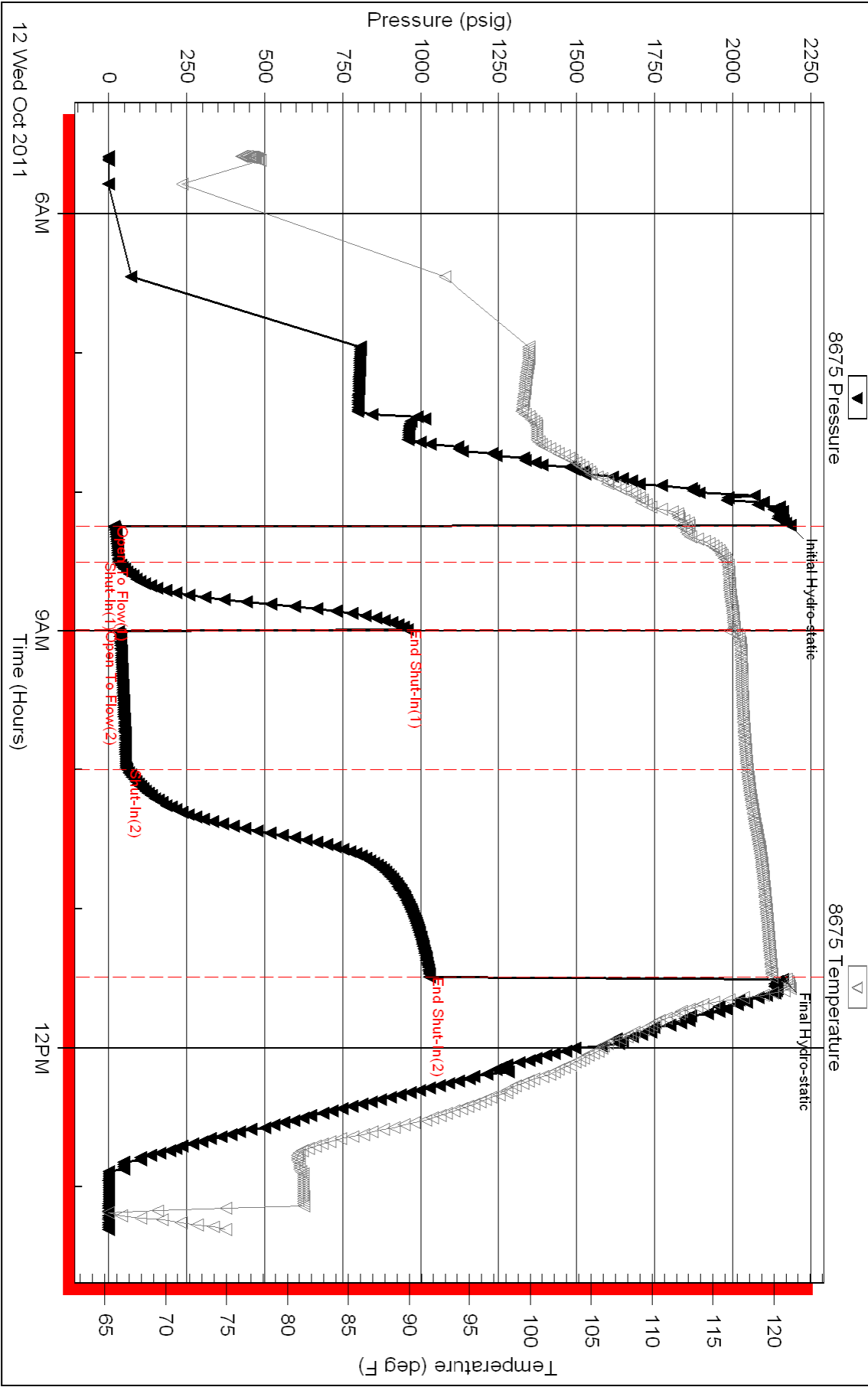
Inside

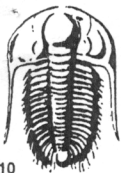
Flairons Resources LLC

SRC 42-22

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 14 2011

Test Ticket

NO. 44329 16452

Well Name & No. SRC 42-22 ~~Flatiron Resources LLC~~ Test No. 1 Date 10/10/11
 Company Flatiron Resources LLC Elevation 2663 KB 2658 GL
 Address 303 Ave STE 940 Denver Co 80203
 Co. Rep / Geo. Clayton Erickson Rig H R Rig 3
 Location: Sec. 22 Twp. 16 Rge. 28 Co. Lane State KS

Interval Tested 4152 - 4178 Zone Tested Kansas City "K"
 Anchor Length 26 Drill Pipe Run 4011 Mud Wt. 9.5
 Top Packer Depth 4148 Drill Collars Run 120 Vis 58
 Bottom Packer Depth 4152 Wt. Pipe Run 0 WL 5.2
 Total Depth 4178 Chlorides 3,400 ppm System LCM 2

Blow Description Built to 2" below
No return below
Built to 3" below
Weak surface return below

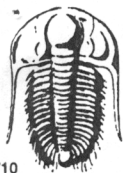
Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>new with oil spots</u>			<u>90</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 140 BHT 119 Gravity — API RW 73 @ 60 °F Chlorides 50,000 ppm

(A) Initial Hydrostatic	<u>2,070</u>	☒ Test	<u>1225</u>	T-On Location	<u>13:15</u>
(B) First Initial Flow	<u>25</u>	☒ Jars	<u>250</u>	T-Started	<u>14:26</u>
(C) First Final Flow	<u>52</u>	☒ Safety Joint	<u>75</u>	T-Open	<u>16:24</u>
(D) Initial Shut-In	<u>631</u>	☒ Circ Sub	<u>N/C</u>	T-Pulled	<u>19:08</u>
(E) Second Initial Flow	<u>53</u>	☐ Hourly Standby		T-Out	<u>20:45</u>
(F) Second Final Flow	<u>92</u>	☒ Mileage	<u>76 RT 106.40</u>	Comments	
(G) Final Shut-In	<u>620</u>	☐ Sampler			
(H) Final Hydrostatic	<u>2,047</u>	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
		☐ Extra Packer		☐ Extra Copies	
		☐ Extra Recorder		Sub Total	<u>8</u>
		☐ Day Standby		Total	<u>12656.40</u>
		☐ Accessibility		MP/DST Disc't	
		Sub Total	<u>11656.40</u>		

Initial Open 15
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Approved By Clayton Erickson Our Representative [Signature]
 Triobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 14 2011

Test Ticket

NO. 44330

Well Name & No. SRC #42-22 Test No. 2 Date 10/12/11
 Company Flatirons Resources Elevation 2663 KB 2656 GL
 Address 303 Ave STE 940 Denver CO, 80203
 Co. Rep / Geo. Clayton Erickson Rig HD Rig 3
 Location: Sec. 22 Twp. 16S Rge. 28W Co. Lane State KS

Interval Tested 4350-4392 Zone Tested Pawnee
 Anchor Length 42 Drill Pipe Run 4212 Mud Wt. 9.6
 Top Packer Depth 4346 Drill Collars Run 120 Vis 48
 Bottom Packer Depth 4350 Wt. Pipe Run 0 WL 6.0
 Total Depth 4392 Chlorides 3,800 ppm System LCM 1

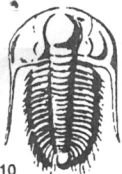
Blow Description Built to 1 3/4" below
No return below
Built to 6" below
Very weak surface return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>72</u>	<u>OCCAMCO</u>	<u>20</u>	<u>10</u>	<u>30</u>	<u>40</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 72 BHT 120 Gravity 1225 API RW 167 °F Chlorides 70,000 ppm
 (A) Initial Hydrostatic 2,184 ☒ Test 1225 T-On Location 5:00
 (B) First Initial Flow 18 ☒ Jars 250 T-Started 5:35
 (C) First Final Flow 31 ☒ Safety Joint 75 T-Open 8:15
 (D) Initial Shut-In 957 ☒ Circ Sub N/C T-Pulled 11:30
 (E) Second Initial Flow 32 ☒ Hourly Standby 1 hr T-Out 13:19
 (F) Second Final Flow 58 ☒ Mileage 76RT 106.40 Comments
 (G) Final Shut-In 1,027 ☐ Sampler
 (H) Final Hydrostatic 2,161 ☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☒ Day Standby 1 day + 8 1/4 hrs
☐ Accessibility
 Sub Total 1650.40

Initial Open 15 ☐ Ruined Shale Packer
 Initial Shut-In 30 ☐ Ruined Packer
 Final Flow 60 ☐ Extra Copies
 Final Shut-In 90 Sub Total 275.06
 Total 1931.46
 MP/DST Disc't

Approved By Clayton Erickson Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 17 2011

Test Ticket

NO. 44453

Well Name & No. SRC 42-22 Test No. 3 Date 10-13-11
Company Flatiron Resources, LLC Elevation 2663 KB 2658 GL
Address _____
Co. Rep / Geo. Clayton Erickson / Barry Gager Rig HD#3
Location: Sec. 22 Twp. 16s Rge. 28w Co. Lane State KS

Interval Tested 4398-4496 Zone Tested Ft. Scott - Johnson
Anchor Length 98 Drill Pipe Run 4276 Mud Wt. 9.4
Top Packer Depth 4394 Drill Collars Run 120 Vis 50
Bottom Packer Depth 434496 Wt. Pipe Run - WL 7.6
Total Depth 4583 Chlorides 2500 ppm System LCM 1/2
Blow Description 2" Blow.
No return.
2" Blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>150</u>	Feet of <u>M Oil spots in tool</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT _____ Gravity - API RW - @ - °F Chlorides - ppm
(A) Initial Hydrostatic 2305 ☒ Test 1225 T-On Location 20:40
(B) First Initial Flow 67 ☒ Jars 250 T-Started 21:45
(C) First Final Flow 94 ☒ Safety Joint 75 T-Open 00:00
(D) Initial Shut-In 1196 ☒ Circ Sub N/C T-Pulled 2:46
(E) Second Initial Flow 99 ☐ Hourly Standby _____ T-Out 5:25
(F) Second Final Flow 148 98 ☒ Mileage 76 Rt 106.40 Comments _____
(G) Final Shut-In 1153 148 ☐ Sampler _____
(H) Final Hydrostatic 2225 ☒ Straddle 600 ☐ Ruined Shale Packer _____
☐ Shale Packer _____ ☐ Ruined Packer _____
☐ Extra Packer _____ ☐ Extra Copies _____
☐ Extra Recorder _____ Sub Total 0
☐ Day Standby _____ Total 2256.40
☐ Accessibility _____ MP/DST Disc't _____

Initial Open 15
Initial Shut-In 30
Final Flow 60
Final Shut-In 60

Sub Total 2256.40

Approved By _____

Our Representative Chuck Smith

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