

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th Ave STE 940 Denver, CO 80203

ATTN: Tim Priest

23/16/28 Lane KS

Lawrence 32-23

Start Date: 2010.05.29 @ 07:07:52

End Date: 2010.05.29 @ 14:52:01

Job Ticket #: 37539 DST #: 1

KCC

JUL 28 2010

CONFIDENTIAL

RECEIVED

AUG 03 2010

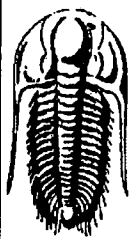
KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Resources, LLC
303 E 17th Ave STE 940 Denver, CO 80203
ATTN: Tim Priest

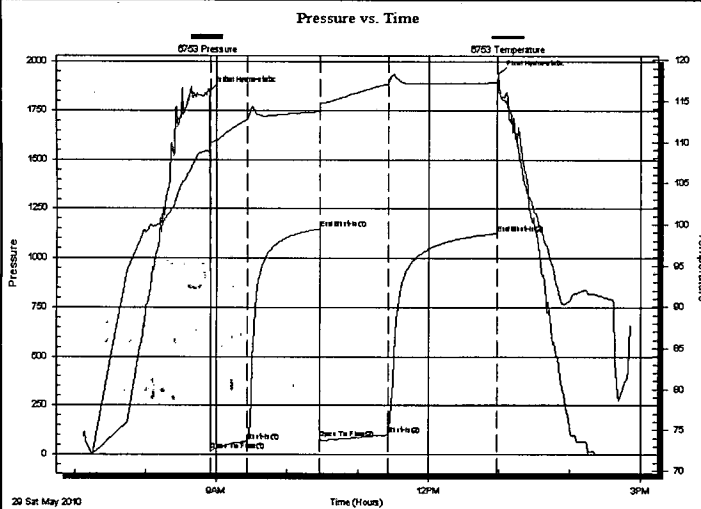
Lawrence 32-23
23/16/28 Lane KS
Job Ticket: 37539 DST#: 1
Test Start: 2010.05.29 @ 07:07:52

GENERAL INFORMATION:

Formation: **Toronto-Lansing 'A'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:54:51
Time Test Ended: 14:52:01
Interval: **3856.00 ft (KB) To 3924.00 ft (KB) (TVD)**
Total Depth: 3924.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good
Reference Elevations: 2660.00 ft (KB)
2655.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole
Tester: Chris Hagman
Unit No: 34

Serial #: 6753 Inside
Press@RunDepth: 98.32 psig @ 3858.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.05.29 End Date: 2010.05.29 Last Calib.: 2010.05.29
Start Time: 07:07:52 End Time: 14:52:01 Time On Btm: 2010.05.29 @ 08:54:01
Time Off Btm: 2010.05.29 @ 12:59:31

TEST COMMENT: IF: 7 inches in 30 min., fair building blow
ISI: No blow back
FF: BOB 50 min., strong building blow
FSI: No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1852.46 | 108.83 | Initial Hydro-static |
| 1 | 18.09 | 109.85 | Open To Flow (1) |
| 33 | 67.77 | 112.79 | Shut-In(1) |
| 94 | 1149.52 | 113.67 | End Shut-In(1) |
| 94 | 80.18 | 114.47 | Open To Flow (2) |
| 152 | 98.32 | 117.14 | Shut-In(2) |
| 245 | 1126.67 | 117.25 | End Shut-In(2) |
| 246 | 1937.62 | 116.29 | Final Hydro-static |

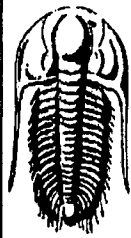
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------------|--------------|
| 61.00 | oily muddy w ater 5%O,70%W,25%M | 0.30 |
| 31.00 | oily w atery mud 5%O,45%W,50%M | 0.15 |
| 61.00 | oil 100%O | 0.58 |
| | | |
| | | |

Gas Rates

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

ORIGINAL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC

Lawrence 32-23

303 E 17th Ave STE 940 Denver, CO 80203

23/16/28 Lane KS

Job Ticket: 37539

DST#: 1

ATTN: Tim Priest

Test Start: 2010.05.29 @ 07:07:52

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3724.00 ft | Diameter: 3.80 inches | Volume: 52.24 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 122.00 ft | Diameter: 2.25 inches | Volume: 0.60 bbl | Weight to Pull Loose: 60000.00 lb |
| | | | Total Volume: 52.84 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 10.00 ft | | | String Weight: Initial 47000.00 lb |
| Depth to Top Packer: | 3856.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 68.00 ft | | | |
| Tool Length: | 88.00 ft | | | |
| Number of Packers: | 2 | Diameter: 7.78 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3837.00 | |
| Shut In Tool | 5.00 | | | 3842.00 | |
| Hydraulic tool | 5.00 | | | 3847.00 | |
| Packer | 5.00 | | | 3852.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3856.00 | |
| Stubb | 1.00 | | | 3857.00 | |
| Perforations | 1.00 | | | 3858.00 | |
| Recorder | 0.00 | 8374 | Inside | 3858.00 | |
| Recorder | 0.00 | 6753 | Inside | 3858.00 | |
| Change Over Sub | 1.00 | | | 3859.00 | |
| Drill Pipe | 61.00 | | | 3920.00 | |
| Change Over Sub | 1.00 | | | 3921.00 | |
| Bullnose | 3.00 | | | 3924.00 | 68.00 Bottom Packers & Anchor |

Total Tool Length: 88.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Lawrence 32-23

303 E 17th Ave STE 940 Denver, CO 80203

23/16/28 Lane KS

Job Ticket: 37539

DST#: 1

ATTN: Tim Priest

Test Start: 2010.05.29 @ 07:07:52

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

74000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|---------------------------------|----------------|
| 61.00 | oily muddy w ater 5%O,70%W,25%M | 0.300 |
| 31.00 | oily w atery mud 5%O,45%W,50%M | 0.152 |
| 61.00 | oil 100%O | 0.582 |

Total Length: 153.00 ft

Total Volume: 1.034 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

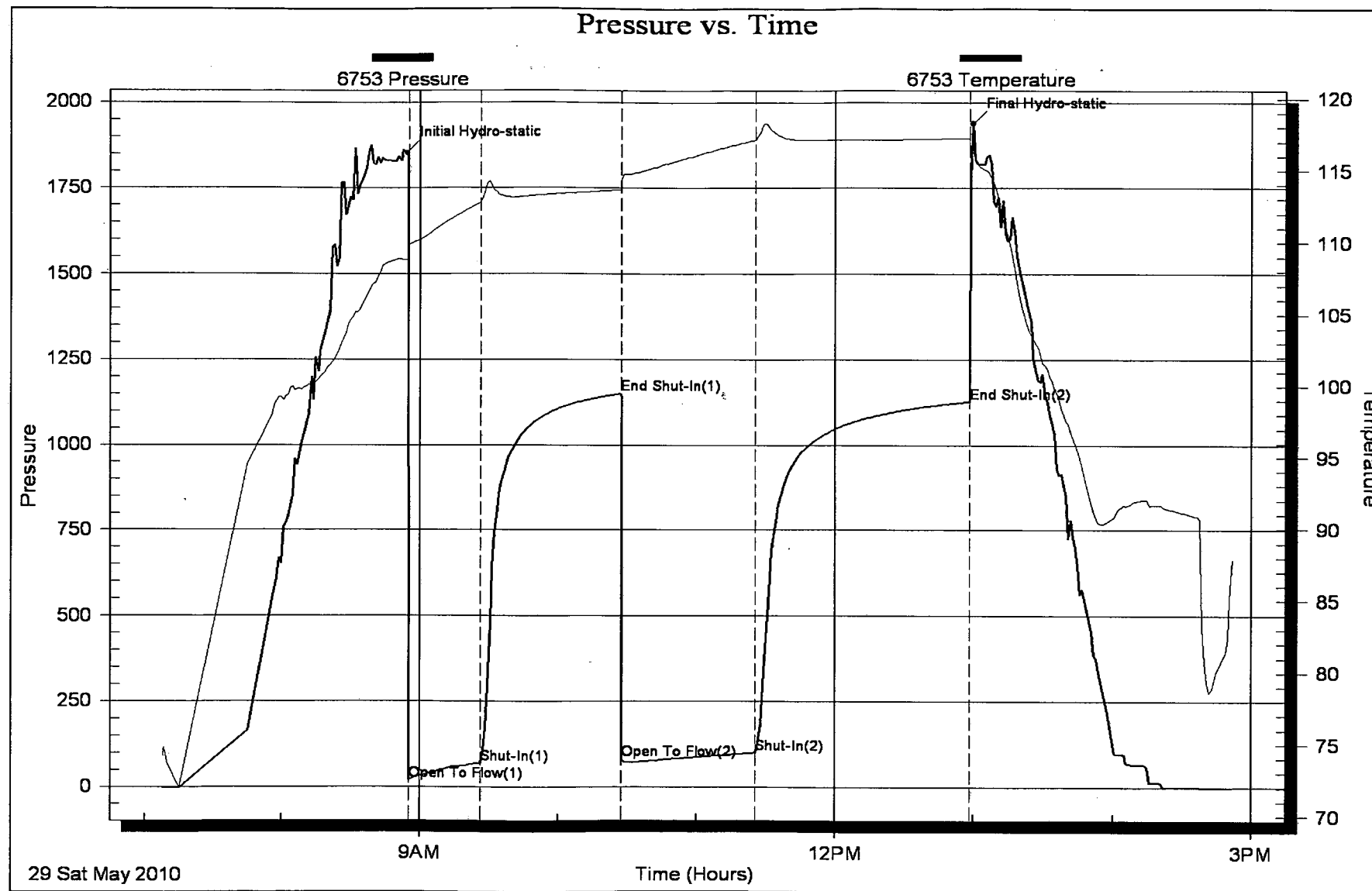
Serial #:

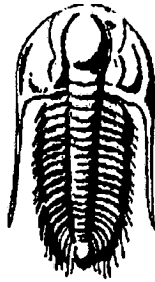
Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.080@92F=74,000ppm

AP=31@90F=28api





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th Ave STE 940 Denver, CO 80203

ATTN: Tim Priest

23/16/28 Lane KS

Lawrence 32-23

Start Date: 2010.05.30 @ 05:45:35

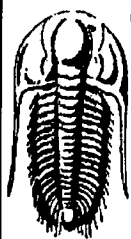
End Date: 2010.05.30 @ 13:38:24

Job Ticket #: 37540 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Resources, LLC
303 E 17th Ave STE 940 Denver, CO 80203
ATTN: Tim Priest

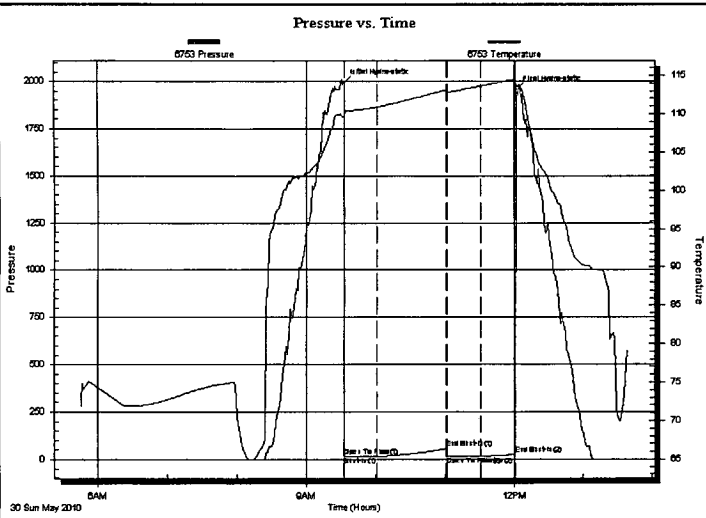
Lawrence 32-23
23/16/28 Lane KS
Job Ticket: 37540 DST#: 2
Test Start: 2010.05.30 @ 05:45:35

GENERAL INFORMATION:

Formation: **Lansing I&J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:32:24
Time Test Ended: 13:38:24
Interval: **4082.00 ft (KB) To 5133.00 ft (KB) (TVD)**
Total Depth: **4133.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chris Hagman**
Unit No: **34**
Reference Elevations: **2660.00 ft (KB)**
2655.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6753 **Inside**
Press@RunDepth: **16.77 psig @ 4084.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.05.30** End Date: **2010.05.30** Last Calib.: **2010.05.30**
Start Time: **05:45:36** End Time: **13:38:25** Time On Btm: **2010.05.30 @ 09:31:35**
Time Off Btm: **2010.05.30 @ 12:02:15**

TEST COMMENT: IF: Weak surface blow, died 15 min.
IS: No blow back
FF: No blow
FSI: No blow back



PRESSURE SUMMARY

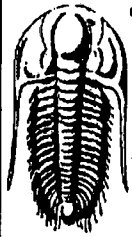
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1990.07 | 109.60 | Initial Hydro-static |
| 1 | 14.93 | 109.77 | Open To Flow (1) |
| 30 | 14.40 | 110.86 | Shut-In(1) |
| 90 | 56.77 | 113.17 | End Shut-In(1) |
| 90 | 15.43 | 112.75 | Open To Flow (2) |
| 120 | 16.77 | 113.63 | Shut-In(2) |
| 150 | 25.64 | 114.51 | End Shut-In(2) |
| 151 | 1955.17 | 113.46 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | 100%M | 0.05 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC
303 E 17th Ave STE 940 Denver, CO 80203
ATTN: Tim Priest

Lawrence 32-23
23/16/28 Lane KS
Job Ticket: 37540 DST#: 2
Test Start: 2010.05.30 @ 05:45:35

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3945.00 ft | Diameter: 3.80 inches | Volume: 55.34 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 122.00 ft | Diameter: 2.25 inches | Volume: 0.60 bbl | Weight to Pull Loose: 55000.00 lb |
| | | | <u>Total Volume: 55.94 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 5.00 ft | | | String Weight: Initial 47000.00 lb |
| Depth to Top Packer: | 4082.00 ft | | | Final 47000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 51.00 ft | | | |
| Tool Length: | 71.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 4063.00 | |
| Shut In Tool | 5.00 | | | 4068.00 | |
| Hydraulic tool | 5.00 | | | 4073.00 | |
| Packer | 5.00 | | | 4078.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4082.00 | |
| Stubb | 1.00 | | | 4083.00 | |
| Perforations | 1.00 | | | 4084.00 | |
| Recorder | 0.00 | 8374 | Inside | 4084.00 | |
| Recorder | 0.00 | 6753 | Inside | 4084.00 | |
| Perforations | 13.00 | | | 4097.00 | |
| Change Over Sub | 1.00 | | | 4098.00 | |
| Drill Pipe | 31.00 | | | 4129.00 | |
| Change Over Sub | 1.00 | | | 4130.00 | |
| Bullnose | 3.00 | | | 4133.00 | 51.00 Bottom Packers & Anchor |

Total Tool Length: 71.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Lawrence 32-23

303 E 17th Ave STE 940 Denver, CO 80203

23/16/28 Lane KS

Job Ticket: 37540

DST#: 2

ATTN: Tim Priest

Test Start: 2010.05.30 @ 05:45:35

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:

11000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 10.00 | 100%M | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

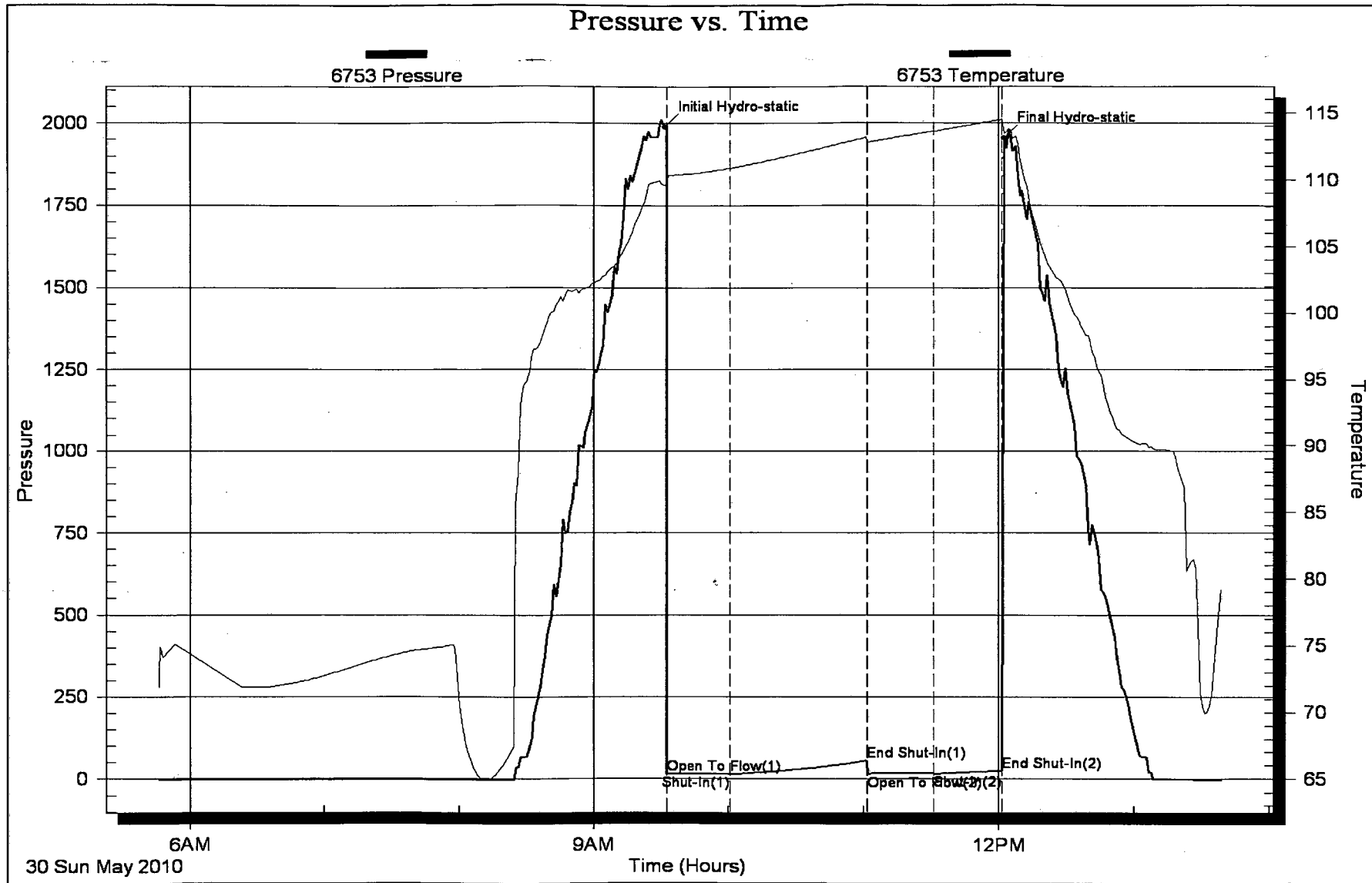
Num Gas Bombs: 0

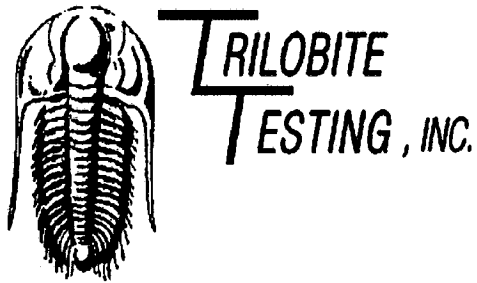
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .420@90F=11,000ppm





DRILL STEM TEST REPORT

Prepared For: **Flatirons Recources, LLC**

303 E 17th Ave STE 940 Denver, CO 80203

ATTN: Tim Priest

23/16/28 Lane KS

Lawrence 32-23

Start Date: 2010.05.31 @ 11:25:43

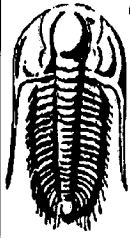
End Date: 2010.05.31 @ 20:25:02

Job Ticket #: 37541 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC

Lawrence 32-23

303 E 17th Ave STE 940 Denver, CO 80203

23/16/28 Lane KS

Job Ticket: 37541

DST#: 3

ATTN: Tim Priest

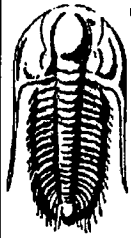
Test Start: 2010.05.31 @ 11:25:43

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 4197.00 ft | Diameter: 3.80 inches | Volume: 58.87 bbl | Tool Weight: | 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: | 20000.00 lb |
| Drill Collar: | Length: 122.00 ft | Diameter: 2.25 inches | Volume: 0.60 bbl | Weight to Pull Loose: | 60000.00 lb |
| | | | <u>Total Volume: 59.47 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial | 48000.00 lb |
| Depth to Top Packer: | 4308.00 ft | | | Final | 52000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 82.00 ft | | | | |
| Tool Length: | 102.00 ft | | | | |
| Number of Packers: | 2 | Diameter: | 6.75 inches | | |
| Tool Comments: | | | | | |

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4289.00 | |
| Shut In Tool | 5.00 | | | 4294.00 | |
| Hydraulic tool | 5.00 | | | 4299.00 | |
| Packer | 5.00 | | | 4304.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4308.00 | |
| Stubb | 1.00 | | | 4309.00 | |
| Perforations | 1.00 | | | 4310.00 | |
| Recorder | 0.00 | 8374 | Inside | 4310.00 | |
| Recorder | 0.00 | 6753 | Inside | 4310.00 | |
| Perforations | 13.00 | | | 4323.00 | |
| Change Over Sub | 1.00 | | | 4324.00 | |
| Drill Pipe | 62.00 | | | 4386.00 | |
| Change Over Sub | 1.00 | | | 4387.00 | |
| Bullnose | 3.00 | | | 4390.00 | 82.00 Bottom Packers & Anchor |
| Total Tool Length: | 102.00 | | | | |



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Lawrence 32-23

303 E 17th Ave STE 940 Denver, CO 80203

23/16/28 Lane KS

Job Ticket: 37541

DST#: 3

ATTN: Tim Priest

Test Start: 2010.05.31 @ 11:25:43

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 1488.00 | gassy oil 50%G,50%O | 19.761 |

Total Length: 1488.00 ft Total Volume: 19.761 bbl

Num Fluid Samples: 0

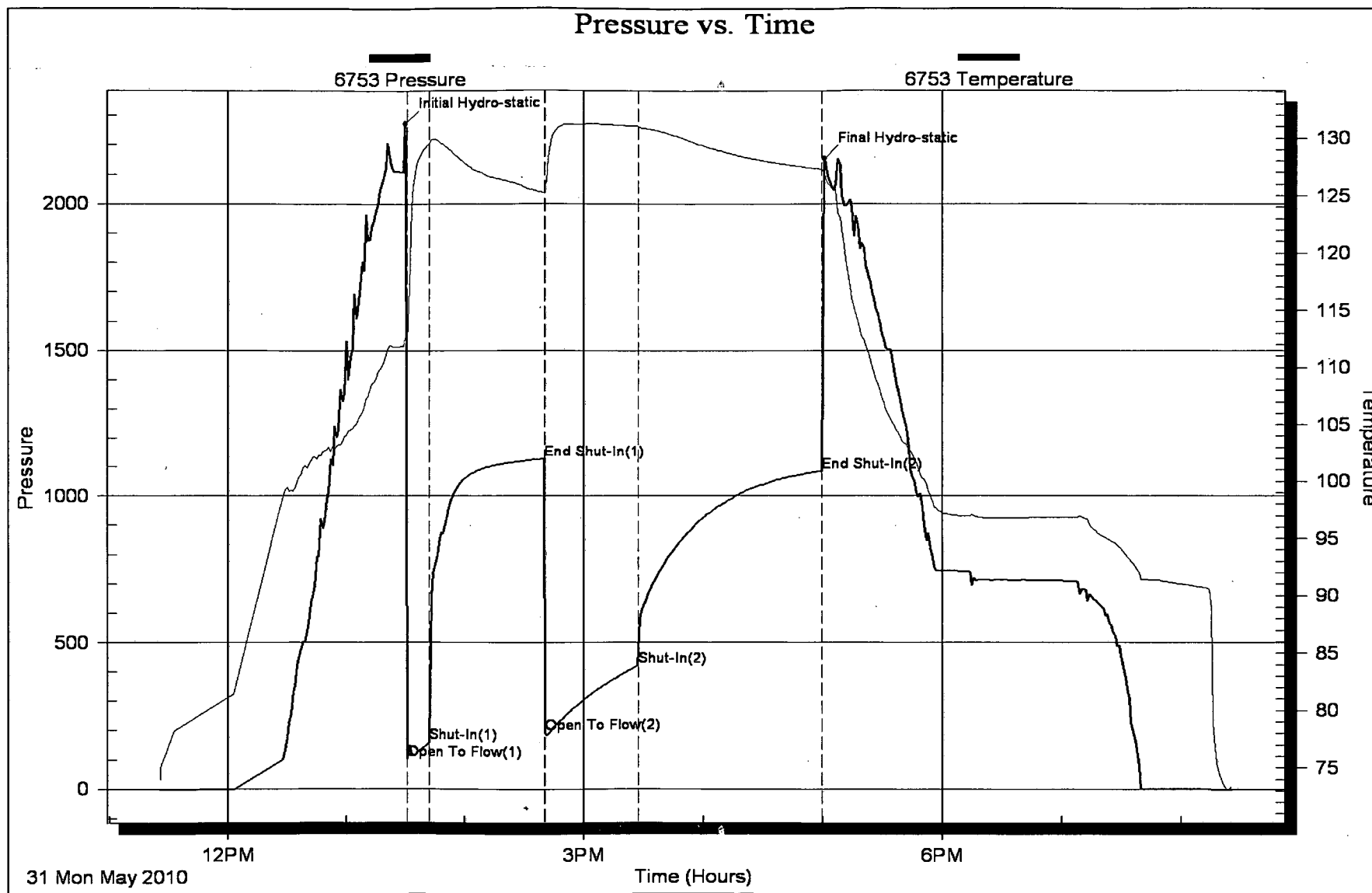
Num Gas Bombs: 0

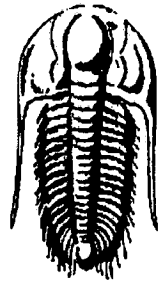
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: AP=34@80F=32
2831'GIP





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th Ave STE 940 Denver, CO 80203

ATTN: Tim Priest

23/16/28 Lane KS

Lawrence 32-23

Start Date: 2010.06.01 @ 04:52:44

End Date: 2010.06.01 @ 12:28:53

Job Ticket #: 37542 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Flatirons Resources, LLC

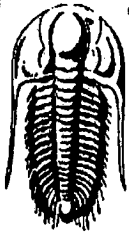
Lawrence 32-23

23/16/28 Lane KS

DST # 4

Fort Scott

2010.06.01



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC
303 E 17th Ave STE 940 Denver, CO 80203
ATTN: Tim Priest

Lawrence 32-23
23/16/28 Lane KS
Job Ticket: 37542 DST#: 4
Test Start: 2010.06.01 @ 04:52:44

Tool Information

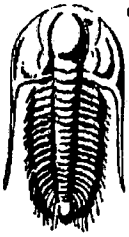
| | | | | |
|---------------------------|--------------------|------------------------------------|--------------------------------|-----------------------------------|
| Drill Pipe: | Length: 4289.00 ft | Diameter: 3.80 inches | Volume: 60.16 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 122.00 ft | Diameter: 2.25 inches | Volume: 0.60 bbl | Weight to Pull Loose: 60000.00 lb |
| | | | <u>Total Volume: 60.76 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | String Weight: Initial 48000.00 lb | | |
| Depth to Top Packer: | 4400.00 ft | Final 49000.00 lb | | |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 34.00 ft | | | |
| Tool Length: | 54.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 4381.00 | |
| Shut In Tool | 5.00 | | | 4386.00 | |
| Hydraulic tool | 5.00 | | | 4391.00 | |
| Packer | 5.00 | | | 4396.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4400.00 | |
| Stubb | 1.00 | | | 4401.00 | |
| Perforations | 1.00 | | | 4402.00 | |
| Recorder | 0.00 | 8374 | Inside | 4402.00 | |
| Recorder | 0.00 | 6753 | Inside | 4402.00 | |
| Perforations | 29.00 | | | 4431.00 | |
| Bullnose | 3.00 | | | 4434.00 | 34.00 Bottom Packers & Anchor |

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC
303 E 17th Ave STE 940 Denver, CO 80203
ATTN: Tim Priest

Lawrence 32-23
23/16/28 Lane KS
Job Ticket: 37542 **DST#: 4**
Test Start: 2010.06.01 @ 04:52:44

Mud and Cushion Information

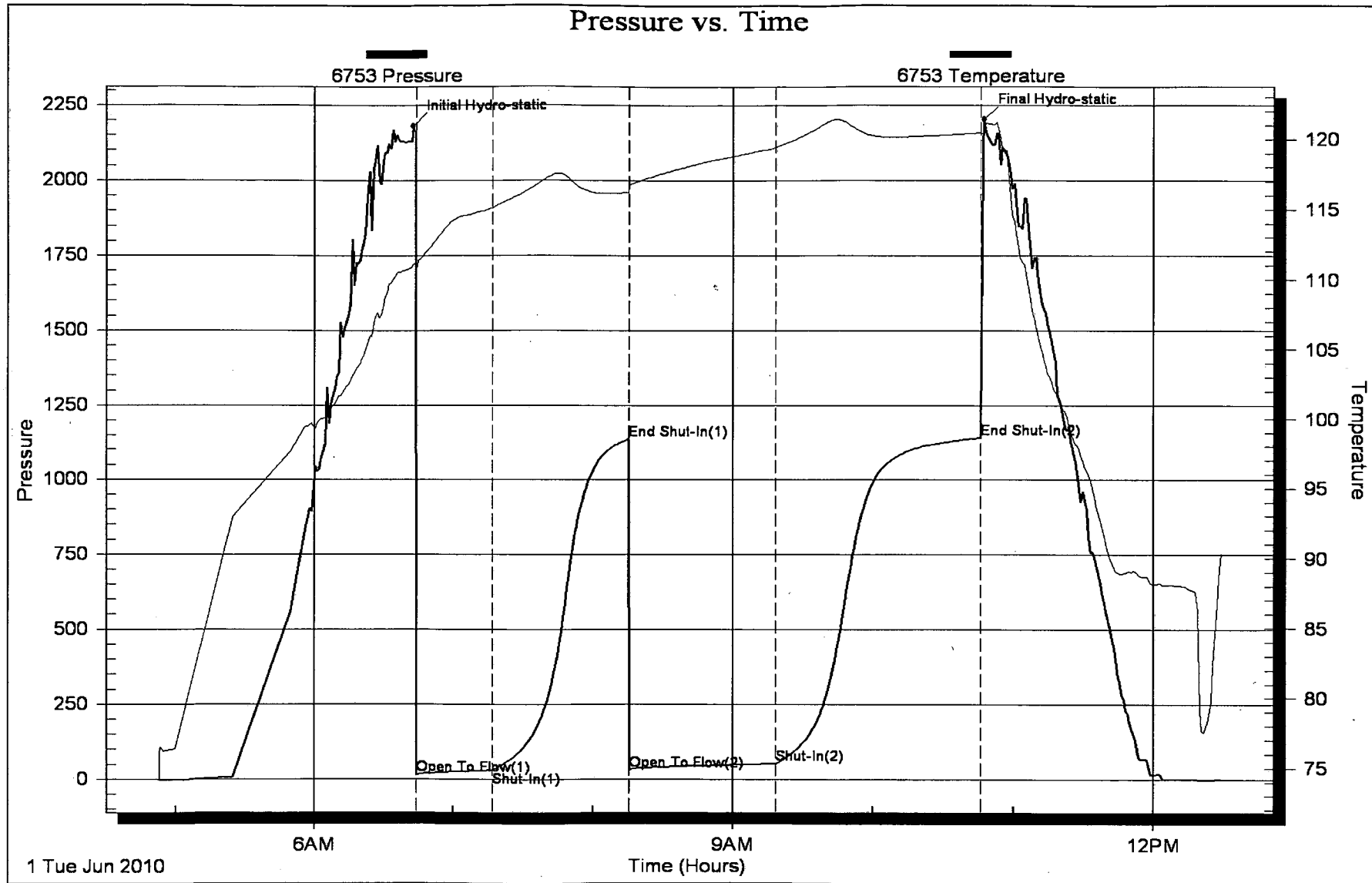
| | | | |
|-----------------------------------|----------------------------|-----------------|----------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | 4600 ppm |
| Viscosity: 47.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 10.37 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2700.00 ppm | | | |
| Filter Cake: inches | | | |

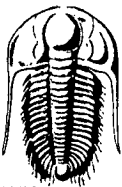
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------|---------------|
| 75.00 | oily mud 35%O,65%M | 0.369 |

Total Length: 75.00 ft Total Volume: 0.369 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW=1.042@90F=4600ppm





TRILOBITE TESTING INC.

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Test Ticket

NO. 37539

Well Name & No. Lawrence 3223 Test No. 1 Date 5-29-10
 Company Flatirons Resources LLC Elevation 2660 KB 2655 GL
 Address 303 E 17th Ave STE 940 Denver, CO 80203
 Co. Rep / Geo. Tim Priest Rig WW#8
 Location: Sec. 23 Twp. 16 Rge. 28 Co. Lave State KS

Interval Tested 3856-3924 Zone Tested Toronto-Lansing 'A'
 Anchor Length 68 Drill Pipe Run 3724 Mud Wt. 8.6
 Top Packer Depth 3851 Drill Collars Run 122 Vis 54
 Bottom Packer Depth 3856 Wt. Pipe Run N.A. WL 8.8
 Total Depth 3924 Chlorides 2000 ppm System LCM 1^B

Blow Description IF: 17 inches in 30 min, fair building blow
IF: No blow back
FF: BOB 50 min, strong building blow
FF: No blow back

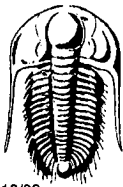
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|---------------------------------|------|------------|-----------|-----------|
| <u>61</u> | <u>Feet of oily muddy water</u> | | <u>5</u> | <u>70</u> | <u>25</u> |
| <u>31</u> | <u>Feet of oily watery mud</u> | | <u>5</u> | <u>45</u> | <u>50</u> |
| <u>61</u> | <u>Feet of oil</u> | | <u>100</u> | | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 153 BHT 117 Gravity 28 API RW .080 @ 92 °F Chlorides 74,000 ppm

(A) Initial Hydrostatic 1827 Test conv 1125 T-On Location 0630
 (B) First Initial Flow 18 Jars _____ T-Started 0700
 (C) First Final Flow 68 Safety Joint _____ T-Open 0855
 (D) Initial Shut-In 1150 Circ Sub _____ T-Pulled 1255
 (E) Second Initial Flow 80 Hourly Standby _____ T-Out 1430
 (F) Second Final Flow 98 Mileage 80 RT 100 Comments 6753 (0707)
 (G) Final Shut-In 1127 Sampler _____ 8374 (0710)
 (H) Final Hydrostatic 1821 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total _____
 Accessibility _____ Total 1225
 Sub Total 1225

Approved By [Signature] Our Representative [Signature]

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Test Ticket

No. 37540

Well Name & No. Lawrence 32-23 Test No. 2 Date 5-30-10
 Company Habitons Resources LLC Elevation 2660 KB 2655 GL
 Address 303 E 17th Ave STE 940 Denver, CO 80203
 Co. Rep / Geo. Tim Priest Rig WW #8
 Location: Sec. 23 Twp. 16 Rge. 28 Co. Lane State KS

Interval Tested 4082-4133 Zone Tested Lansing I&J
 Anchor Length 51 Drill Pipe Run 3945 Mud Wt. 9.1
 Top Packer Depth 4077 Drill Collars Run 122 Vis SS
 Bottom Packer Depth 4082 Wt. Pipe Run N.A. WL 8.8
 Total Depth 4133 Chlorides 1800 ppm System LCM 2[#]

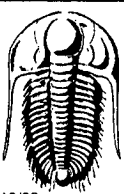
Blow Description T.F. Weak surface blow, died 15 min.
ESI: No blow back
FPI: No blow
PBI: No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|------|------|------------|------|
| <u>10</u> | <u>mud</u> | | | <u>100</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 10 BHT 115 Gravity API RW .420 @ 90 °F Chlorides 11,000 ppm

(A) Initial Hydrostatic 1990 Test 1225 T-On Location 0515
 (B) First Initial Flow 15 Jars 0800
 (C) First Final Flow 14 Safety Joint 0930
 (D) Initial Shut-In 57 Circ Sub 1200
 (E) Second Initial Flow 15 Hourly Standby 1330
 (F) Second Final Flow 17 Mileage 80 RT 100 Comments #6753 (0545)
 (G) Final Shut-In 26 Sampler #8374 (0547)
 (H) Final Hydrostatic 1980 Straddle
 Shale Packer Ruined Shale Packer
 Extra Packer Ruined Packer #1 reg. 260
 Extra Recorder Extra Copies
 Initial Open 30 Day Standby Sub Total 260
 Initial Shut-In 60 Accessibility Total 1585
 Final Flow 30 Sub Total 1325

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Test Ticket

No. 37541

10/08

BY: _____

Well Name & No. Lawrence 32-23 Test No. 3 Date 5-31-10
 Company Flatirons Resources LLC Elevation 2660 KB 2655 GL
 Address 303 E 17th Ave STE 940 Denver, CO 80203
 Co. Rep / Geo. Tim Priest Rig WW #8
 Location: Sec. 23 Twp. 16 Rge. 28 Co. Kane State KS

Interval Tested 4308-4390 Zone Tested Altamont/Pawnee
 Anchor Length 82' Drill Pipe Run 4197 Mud Wt. 9.2
 Top Packer Depth 4303 Drill Collars Run 122 Vis 58
 Bottom Packer Depth 4308 Wt. Pipe Run N.A. WL 17.2
 Total Depth 4390 Chlorides 2500 ppm System LCM ~~_____~~ 1"

Blow Description JM BOB 1 min, strong steady blow
ISZ: Blow back 15 sec. BOB 8 min.
FFI: ~~_____~~, BOB 2 min, strong steady blow
FSZ: Blow back immediately, BOB 2 min, GTS 30 min.

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|--------------------------|-----------|-----------|--------|------|
| <u>1488</u> | <u>gassy oil</u> | <u>50</u> | <u>50</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 <u>2831' GIP</u> | %gas | %oil | %water | %mud |

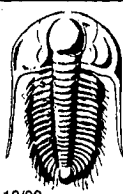
Rec Total 1488 BHT 127 Gravity 32 API RW @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic 2107 Test conv 1225 T-On Location 1145
 (B) First Initial Flow 101 Jars _____ T-Started 1200
 (C) First Final Flow 159 Safety Joint _____ T-Open 1330
 (D) Initial Shut-In 1126 Circ Sub 50' T-Pulled 1655
 (E) Second Initial Flow 191 Hourly Standby _____ T-Out 2030
 (F) Second Final Flow 420 Mileage X80RT 100 Comments _____
 (G) Final Shut-In 1085 Sampler _____ #6753 (1124)
 (H) Final Hydrostatic 2102 Straddle _____ #8374 (1126)

Initial Open 10 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 60 Extra Packer _____ Ruined Packer _____
 Final Flow 45 Extra Recorder _____ Extra Copies _____
 Final Shut-In 90 Day Standby _____ Sub Total 0
 Accessibility _____ Total 11375
 Sub Total 11375

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TRILOBITE TESTING INC.

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Test Ticket

No. 37542

Well Name & No. Lawrence 32-23 Test No. 4 Date 6-1-10
 Company Flatirons Resources LLC Elevation 2660 KB 2655 GL
 Address 303 E 17th Ave STE 940 Denver, CO 80203
 Co. Rep / Geo. Tim Priest Rig WW #8
 Location: Sec. 23 Twp. 16 Rge. 28 Co. Lane State KS

Interval Tested 4400-4434 Zone Tested Fort Scott
 Anchor Length 34 Drill Pipe Run 4289 Mud Wt. 9.3
 Top Packer Depth 4395 Drill Collars Run 122 Vis 47
 Bottom Packer Depth 4400 Wt. Pipe Run N.A. WL 10.4
 Total Depth 4434 Chlorides 2700 ppm System LCM 1#

Blow Description IF: 6 inches in 30 min, fair building blow
ISB: No blow back
FP: BOB 30 min, strong steady blow
FSB: No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|-----------------|-----------|------|-----------|------|
| <u>75</u> | <u>oily mud</u> | <u>35</u> | | <u>65</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 75 BHT 120 Gravity _____ API RW 1042 @ 90 ° F Chlorides 4600 ppm

(A) Initial Hydrostatic 2127 Test conv. 1225 T-On Location 0430
 (B) First Initial Flow 14 Jars _____ T-Started 0500
 (C) First Final Flow 29 Safety Joint _____ T-Open 0645
 (D) Initial Shut-In 1136 Circ Sub _____ T-Pulled 1045
 (E) Second Initial Flow 29 Hourly Standby _____ T-Out 1200
 (F) Second Final Flow 51 Mileage 80 RT 100- Comments _____
 (G) Final Shut-In 1141 Sampler _____ #6753 (0453)
 (H) Final Hydrostatic 2120 Straddle _____ #8374 (0455)

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 60 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 90 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1325
 Sub Total 1325

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