



DRILL STEM TEST REPORT

Prepared For: **McElvain Energy Inc**

1050 17th St. STE 2500
Denver CO 80265-2080

ATTN: Jim McKinney, Mike R

Gustafson #11-6

11-10s-22w Graham,KS

Start Date: 2014.02.22 @ 01:31:03

End Date: 2014.02.22 @ 09:03:27

Job Ticket #: 56242 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.02.27 @ 11:25:33

McElvain Energy Inc
11-10s-22w Graham,KS
Gustafson #11-6
DST # 1
LKC "A"
2014.02.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56242

DST#: 1

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.22 @ 01:31:03

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:58:43

Time Test Ended: 09:03:27

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 3567.00 ft (KB) To 3607.00 ft (KB) (TVD)

Reference Elevations: 2334.00 ft (KB)

Total Depth: 3607.00 ft (KB) (TVD)

2324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8369

Inside

Press@RunDepth: 55.26 psig @ 3572.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.22

End Date:

2014.02.22

Last Calib.:

2014.02.22

Start Time: 01:31:03

End Time:

09:03:27

Time On Btm:

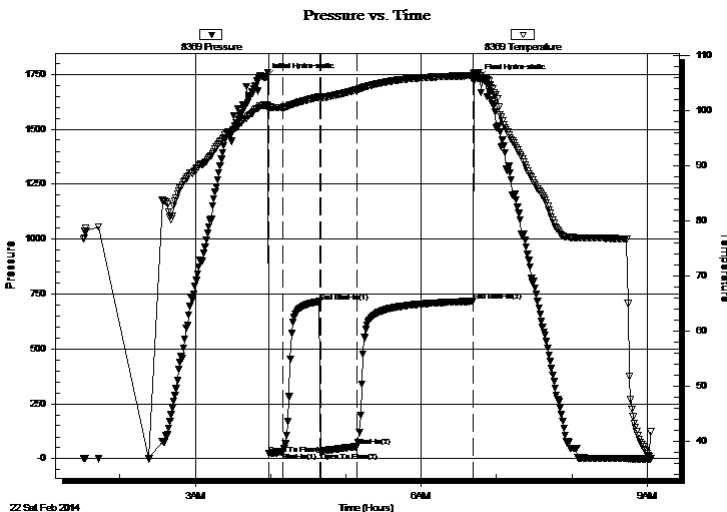
2014.02.22 @ 03:56:28

Time Off Btm:

2014.02.22 @ 06:45:12

TEST COMMENT: 10-IFP-w k to a gd bl 1/2" to 6" bl
30-ISIP-no bl bk
30-FFP-fr to a strg bl 4" to bottom of bucket
90-FSIP-no bl bk

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1735.35 | 101.04 | Initial Hydro-static |
| 3 | 21.90 | 100.27 | Open To Flow (1) |
| 14 | 31.40 | 100.65 | Shut-In(1) |
| 43 | 715.83 | 102.54 | End Shut-In(1) |
| 44 | 31.52 | 102.40 | Open To Flow (2) |
| 73 | 55.26 | 103.84 | Shut-In(2) |
| 165 | 717.13 | 106.43 | End Shut-In(2) |
| 169 | 1731.19 | 106.93 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 0.00 | 335'GIP | 0.00 |
| 50.00 | CO | 0.70 |
| 50.00 | MGO 10%G40%M50%O | 0.70 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56242

DST#: 1

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.22 @ 01:31:03

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3558.00 ft | Diameter: 3.80 inches | Volume: 49.91 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 75000.00 lb |
| | | | <u>Total Volume: 49.91 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 26.00 ft | | | String Weight: Initial 52000.00 lb |
| Depth to Top Packer: | 3567.00 ft | | | Final 53000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 40.00 ft | | | |
| Tool Length: | 75.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Recorder | 0.00 | 8374 | Fluid | 3532.00 | |
| Blank Spacing | 5.00 | | | 3537.00 | |
| Shut In Tool | 5.00 | | | 3542.00 | |
| Sampler | 2.00 | | | 3544.00 | |
| Hydraulic tool | 5.00 | | | 3549.00 | |
| Jars | 5.00 | | | 3554.00 | |
| Safety Joint | 3.00 | | | 3557.00 | |
| Packer | 5.00 | | | 3562.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3567.00 | |
| Stubb | 1.00 | | | 3568.00 | |
| Perforations | 4.00 | | | 3572.00 | |
| Recorder | 0.00 | 8369 | Inside | 3572.00 | |
| Recorder | 0.00 | 8700 | Outside | 3572.00 | |
| Blank Spacing | 32.00 | | | 3604.00 | |
| Bullnose | 3.00 | | | 3607.00 | 40.00 Bottom Packers & Anchor |

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56242

DST#: 1

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.22 @ 01:31:03

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.54 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------|---------------|
| 0.00 | 335'GIP | 0.000 |
| 50.00 | CO | 0.701 |
| 50.00 | MGO 10%G40%M50%O | 0.701 |

Total Length: 100.00 ft Total Volume: 1.402 bbl

Num Fluid Samples: 0

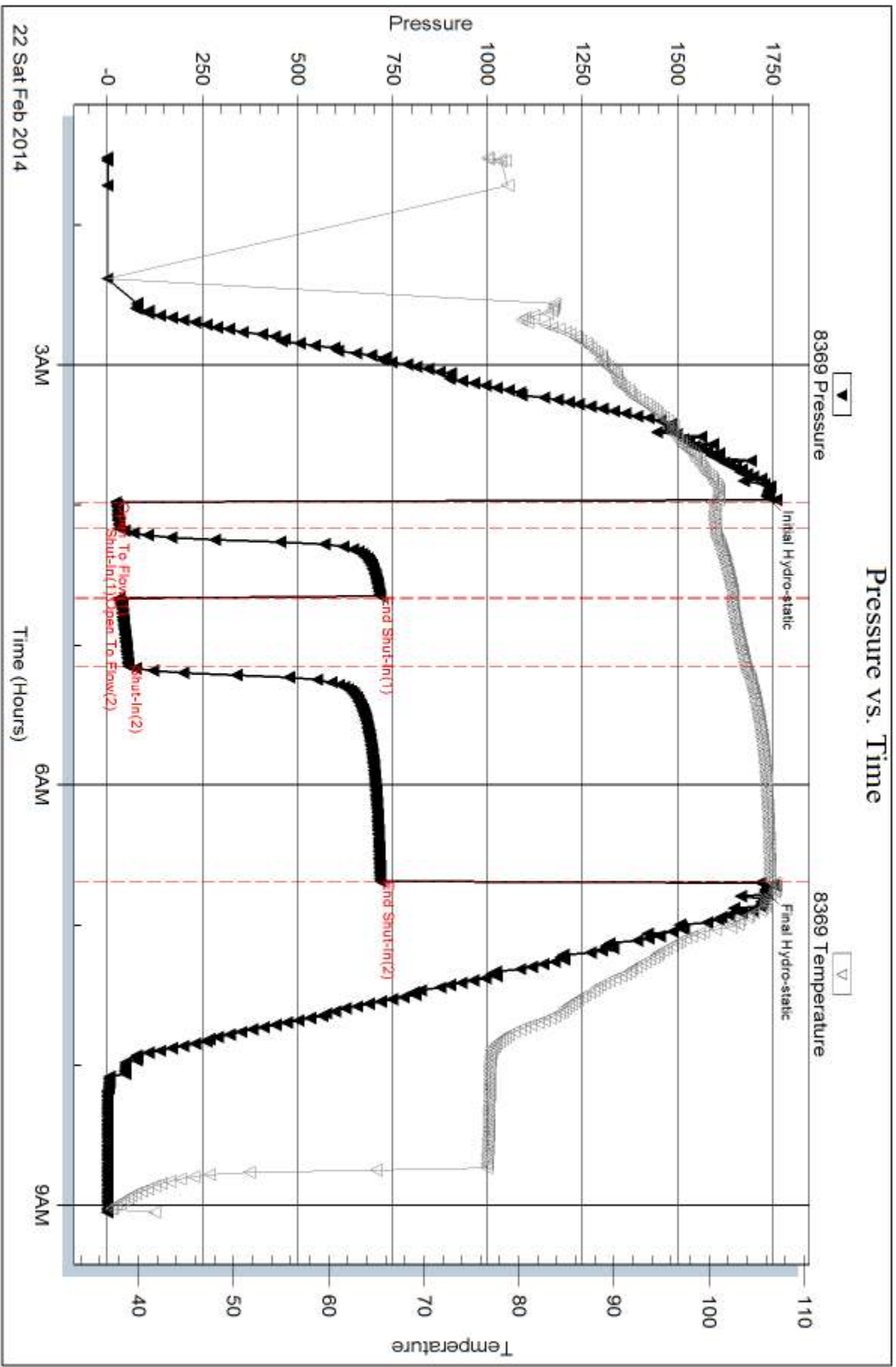
Num Gas Bombs: 0

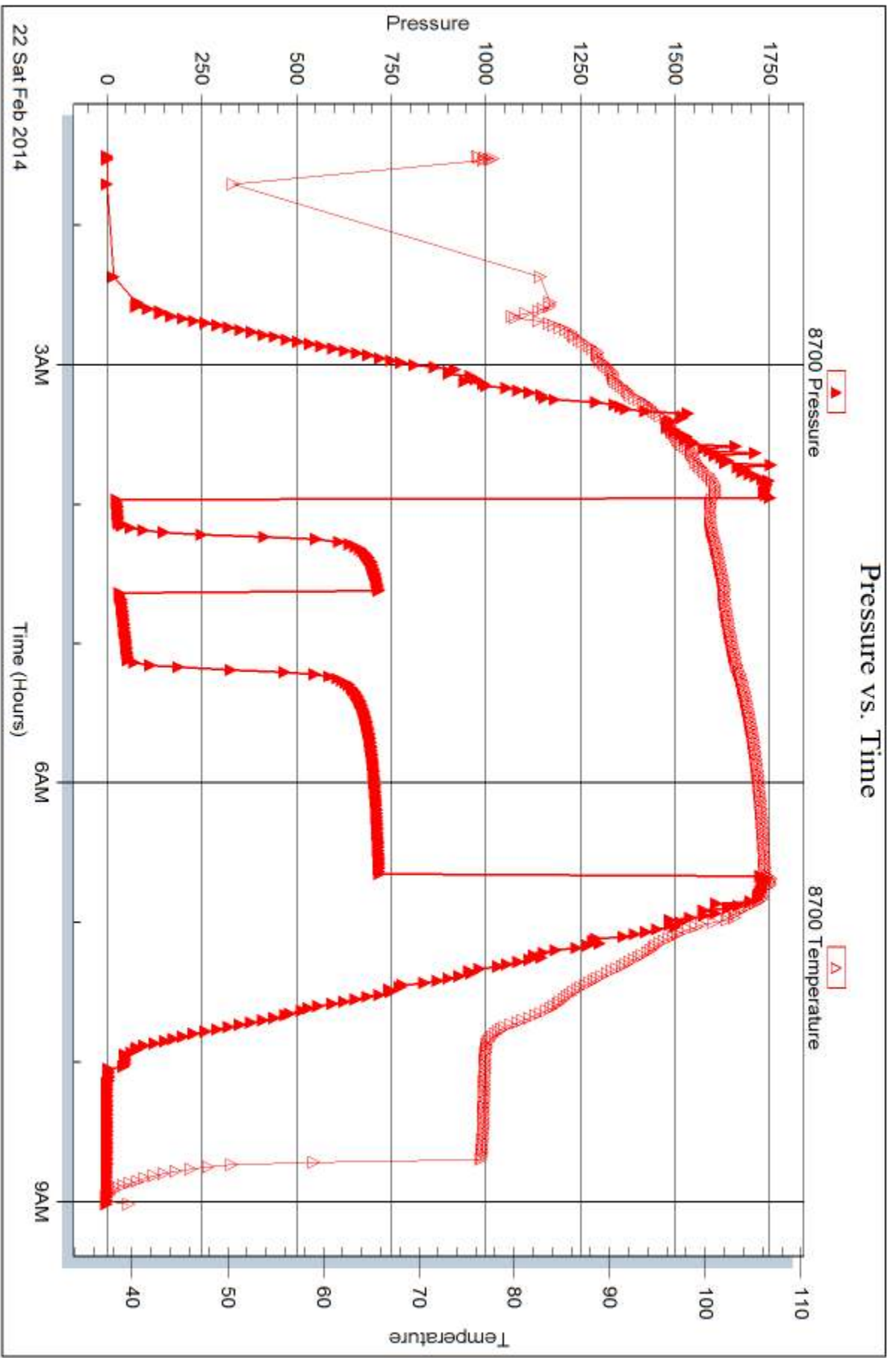
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 100# 200ML gas 1800ML oil





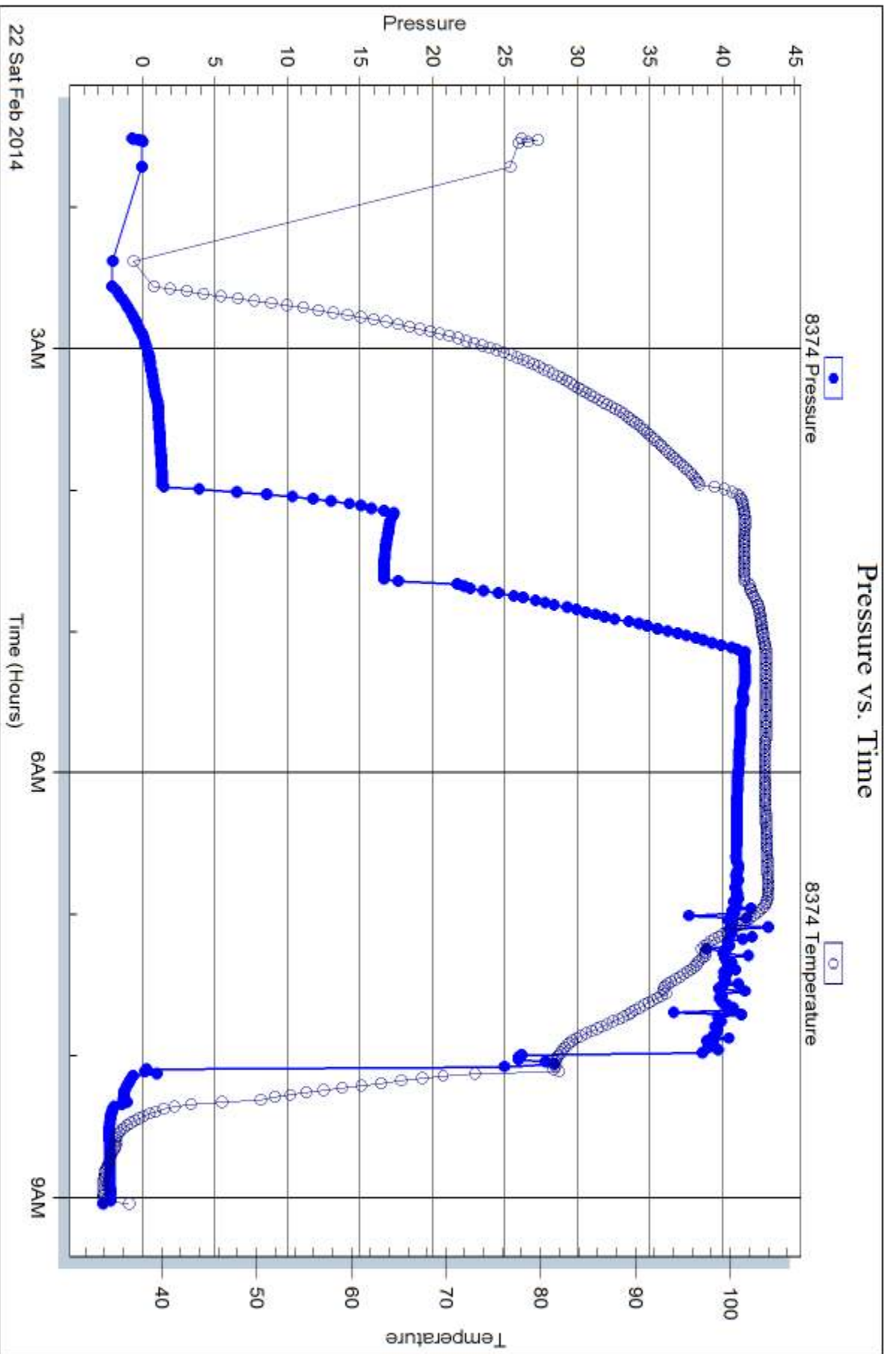
Serial #: 8374

Fluid

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56242

Printed: 2014.02.27 @ 11:25:36



DRILL STEM TEST REPORT

Prepared For: **McElvain Energy Inc**

1050 17th St. STE 2500
Denver CO 80265-2080

ATTN: Jim McKinney, Mike R

Gustafson #11-6

11-10s-22w Graham,KS

Start Date: 2014.02.22 @ 21:05:30

End Date: 2014.02.23 @ 06:39:55

Job Ticket #: 56244 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.02.27 @ 11:25:08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56244

DST#: 2

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.22 @ 21:05:30

GENERAL INFORMATION:

Formation: **LKC C-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:34:25

Time Test Ended: 06:39:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3604.00 ft (KB) To 3665.00 ft (KB) (TVD)

Reference Elevations: 2334.00 ft (KB)

Total Depth: 3665.00 ft (KB) (TVD)

2324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8369 Inside

Press@RunDepth: 36.66 psig @ 3610.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.22

End Date:

2014.02.23

Last Calib.:

2014.02.23

Start Time: 21:05:30

End Time:

06:39:55

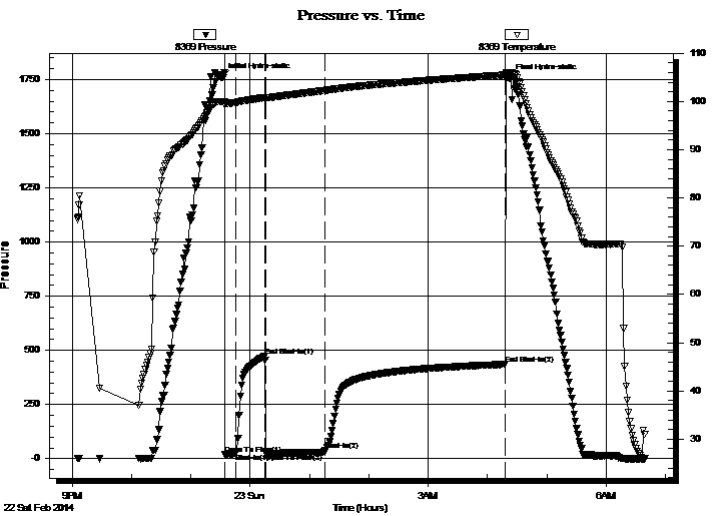
Time On Btm:

2014.02.22 @ 23:31:10

Time Off Btm:

2014.02.23 @ 04:21:39

TEST COMMENT: 10-IFP-w k bl thru-out 1/4" bl
30-ISIP-no bl bk
60-FFP-w k bl thru-out , surface bl
180-FSIP-no bl bk



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1761.07 | 99.94 | Initial Hydro-static |
| 4 | 20.08 | 99.27 | Open To Flow (1) |
| 15 | 23.55 | 99.78 | Shut-In(1) |
| 44 | 472.62 | 100.80 | End Shut-In(1) |
| 45 | 24.44 | 100.68 | Open To Flow (2) |
| 105 | 36.66 | 102.26 | Shut-In(2) |
| 287 | 435.10 | 105.47 | End Shut-In(2) |
| 291 | 1755.30 | 106.00 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 20.00 | SOCM 1%O99%M | 0.28 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56244

DST#: 2

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.22 @ 21:05:30

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3589.00 ft | Diameter: 3.80 inches | Volume: 50.34 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 50.34 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 20.00 ft | | | String Weight: Initial 52000.00 lb |
| Depth to Top Packer: | 3604.00 ft | | | Final 52000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 61.00 ft | | | |
| Tool Length: | 96.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Recorder | 0.00 | 8374 | Fluid | 3569.00 | |
| Blank Spacing | 5.00 | | | 3574.00 | |
| Shut In Tool | 5.00 | | | 3579.00 | |
| Sampler | 2.00 | | | 3581.00 | |
| Hydraulic tool | 5.00 | | | 3586.00 | |
| Jars | 5.00 | | | 3591.00 | |
| Safety Joint | 3.00 | | | 3594.00 | |
| Packer | 5.00 | | | 3599.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3604.00 | |
| Stubb | 1.00 | | | 3605.00 | |
| Perforations | 5.00 | | | 3610.00 | |
| Recorder | 0.00 | 8369 | Inside | 3610.00 | |
| Recorder | 0.00 | 8700 | Outside | 3610.00 | |
| Blank Spacing | 32.00 | | | 3642.00 | |
| Perforations | 20.00 | | | 3662.00 | |
| Bullnose | 3.00 | | | 3665.00 | 61.00 Bottom Packers & Anchor |
| Total Tool Length: | 96.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56244

DST#: 2

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.22 @ 21:05:30

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|--------------|----------------|
| 20.00 | SOCM 1%O99%M | 0.281 |

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

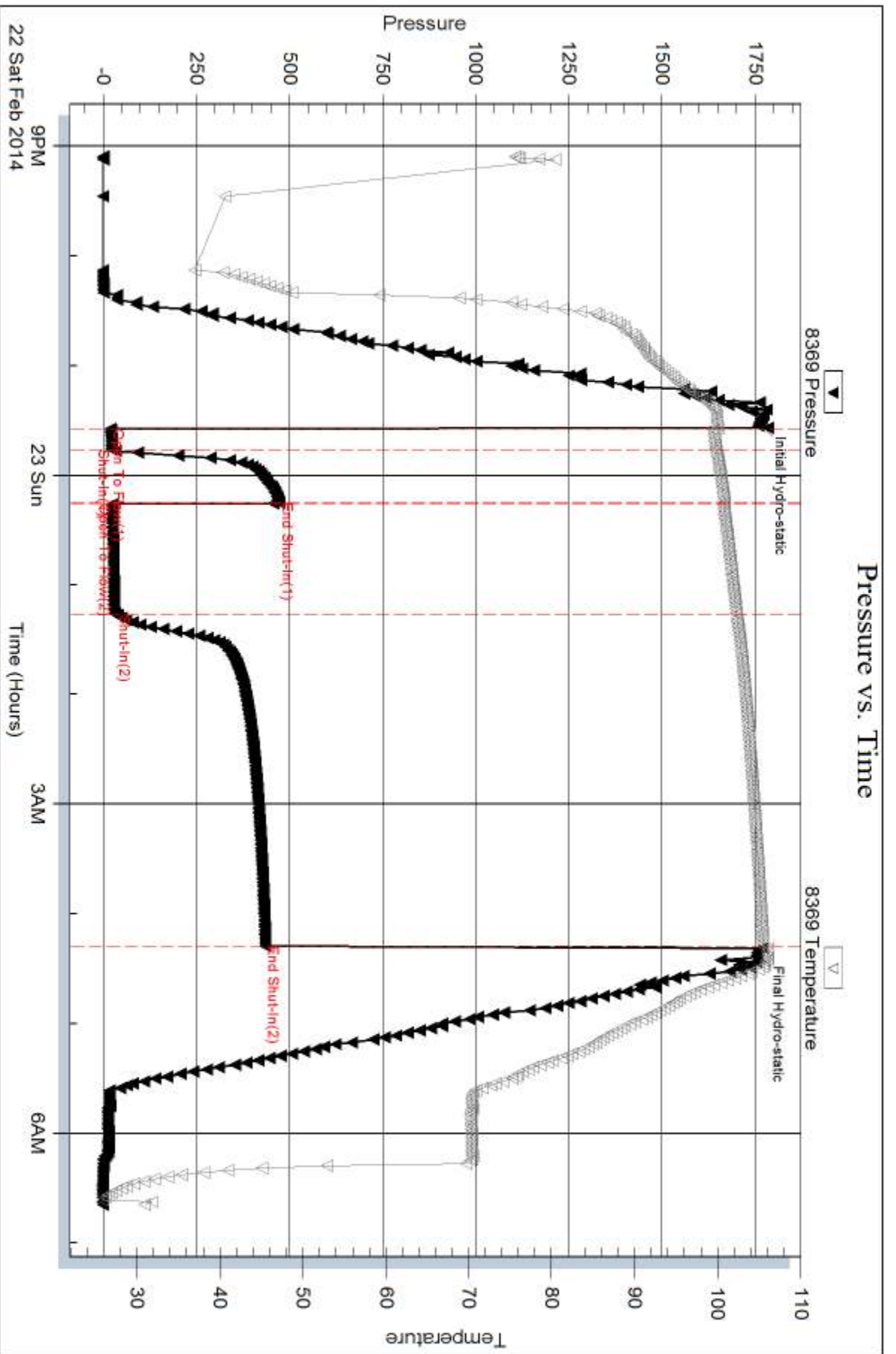
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 100# 1500ML mud , trace of oil

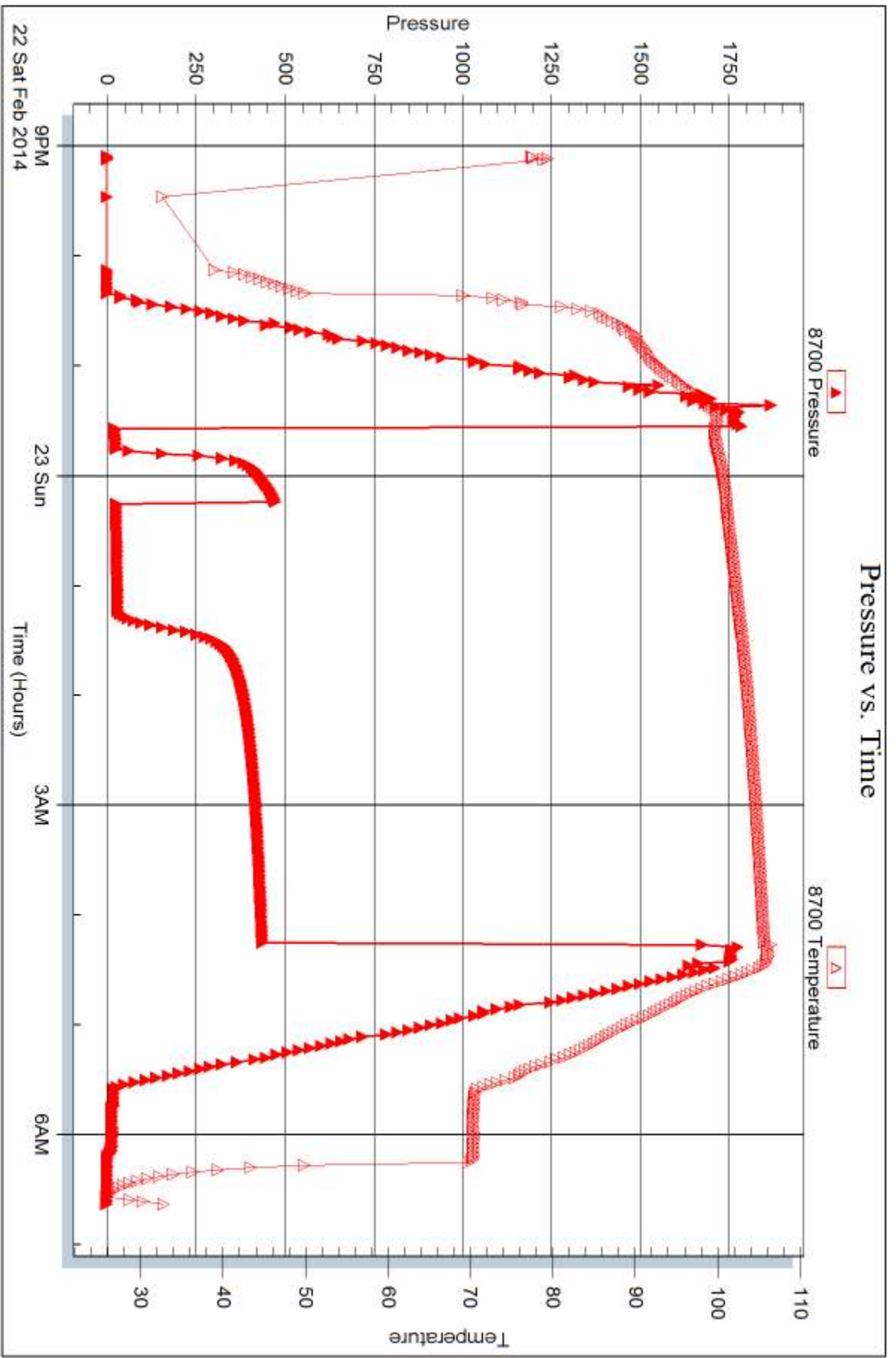


Serial #: 8700

Outside McElvain Energy Inc

Gustafson #11-6

DST Test Number: 2



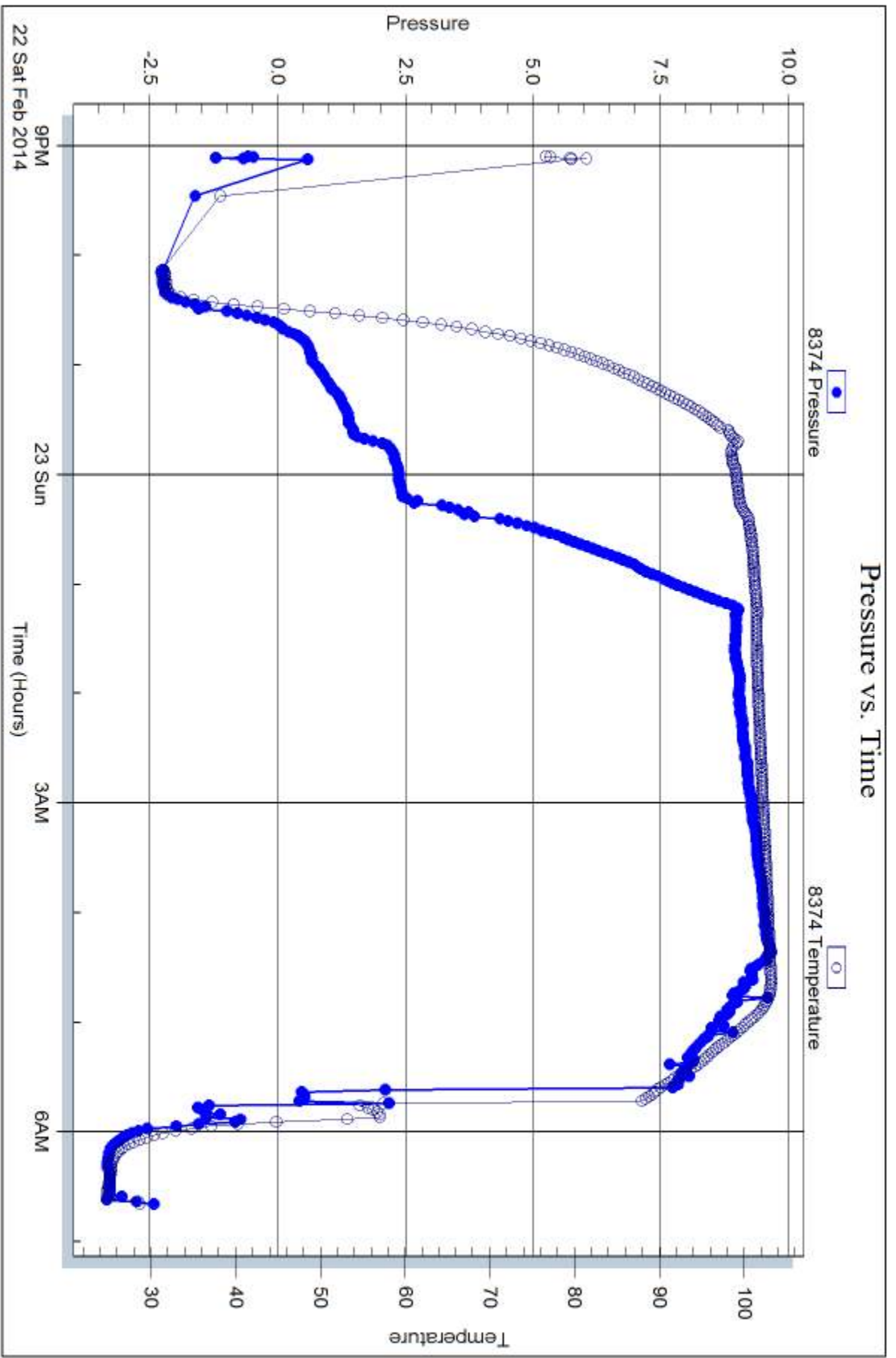
Serial #: 8374

Fluid

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56244

Printed: 2014.02.27 @ 11:25:11



DRILL STEM TEST REPORT

Prepared For: **McElvain Energy Inc**

1050 17th St. STE 2500
Denver CO 80265-2080

ATTN: Jim McKinney, Mike R

Gustafson #11-6

11-10s-22w Graham,KS

Start Date: 2014.02.23 @ 22:00:12

End Date: 2014.02.24 @ 05:30:21

Job Ticket #: 56245 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.02.27 @ 11:24:41



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56245

DST#: 3

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.23 @ 22:00:12

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:56:07

Time Test Ended: 05:30:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3697.00 ft (KB) To 3758.00 ft (KB) (TVD)

Reference Elevations: 2334.00 ft (KB)

Total Depth: 3758.00 ft (KB) (TVD)

2324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8369

Inside

Press@RunDepth: 133.24 psig @ 3702.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.23

End Date:

2014.02.24

Last Calib.:

2014.02.24

Start Time:

22:00:12

End Time:

05:30:21

Time On Btm:

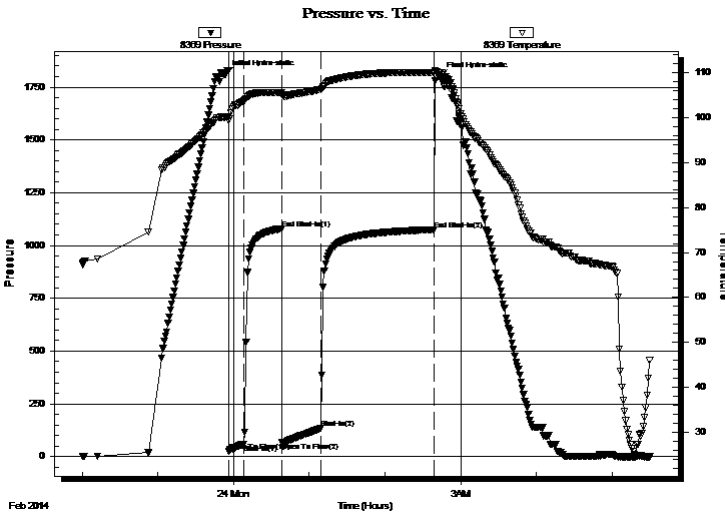
2014.02.23 @ 23:53:52

Time Off Btm:

2014.02.24 @ 02:43:21

TEST COMMENT: 10-IFP-w k to strg in 3 min
30-ISIP-surface bl bk
30-FFP-w k to strg in 4 min
90-FSIP-surface bl bk

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1808.78 | 100.20 | Initial Hydro-static |
| 3 | 26.36 | 99.33 | Open To Flow (1) |
| 15 | 59.47 | 103.76 | Shut-In(1) |
| 44 | 1079.90 | 105.62 | End Shut-In(1) |
| 45 | 67.48 | 105.23 | Open To Flow (2) |
| 75 | 133.24 | 106.36 | Shut-In(2) |
| 166 | 1075.53 | 110.16 | End Shut-In(2) |
| 170 | 1799.75 | 109.95 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 0.00 | 690°GIP | 0.00 |
| 270.00 | CO | 3.79 |
| 95.00 | MGO 20%G25%M55%O | 1.33 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56245

DST#: 3

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.23 @ 22:00:12

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3683.00 ft | Diameter: 3.80 inches | Volume: 51.66 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 51.66 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial 53000.00 lb |
| Depth to Top Packer: | 3697.00 ft | | | Final 54000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 61.00 ft | | | |
| Tool Length: | 96.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Recorder | 0.00 | 8374 | Fluid | 3662.00 | |
| Blank Spacing | 5.00 | | | 3667.00 | |
| Shut In Tool | 5.00 | | | 3672.00 | |
| Sampler | 2.00 | | | 3674.00 | |
| Hydraulic tool | 5.00 | | | 3679.00 | |
| Jars | 5.00 | | | 3684.00 | |
| Safety Joint | 3.00 | | | 3687.00 | |
| Packer | 5.00 | | | 3692.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3697.00 | |
| Stubb | 1.00 | | | 3698.00 | |
| Perforations | 4.00 | | | 3702.00 | |
| Recorder | 0.00 | 8369 | Inside | 3702.00 | |
| Recorder | 0.00 | 8700 | Outside | 3702.00 | |
| Blank Spacing | 32.00 | | | 3734.00 | |
| Perforations | 21.00 | | | 3755.00 | |
| Bullnose | 3.00 | | | 3758.00 | 61.00 Bottom Packers & Anchor |
| Total Tool Length: | 96.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56245

DST#: 3

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.23 @ 22:00:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------|---------------|
| 0.00 | 690'GIP | 0.000 |
| 270.00 | CO | 3.787 |
| 95.00 | MGO 20%G25%M55%O | 1.333 |

Total Length: 365.00 ft Total Volume: 5.120 bbl

Num Fluid Samples: 0

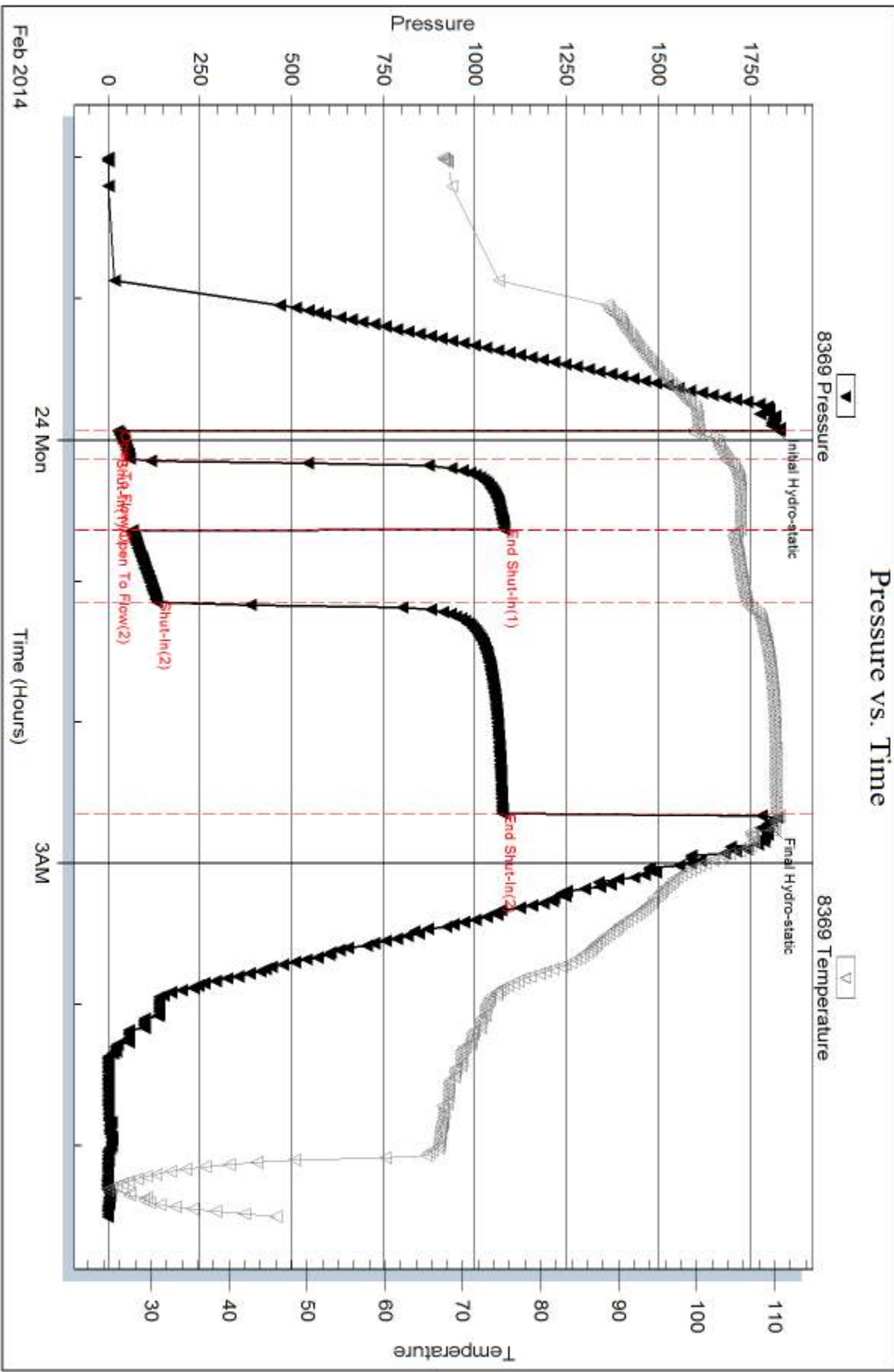
Num Gas Bombs: 0

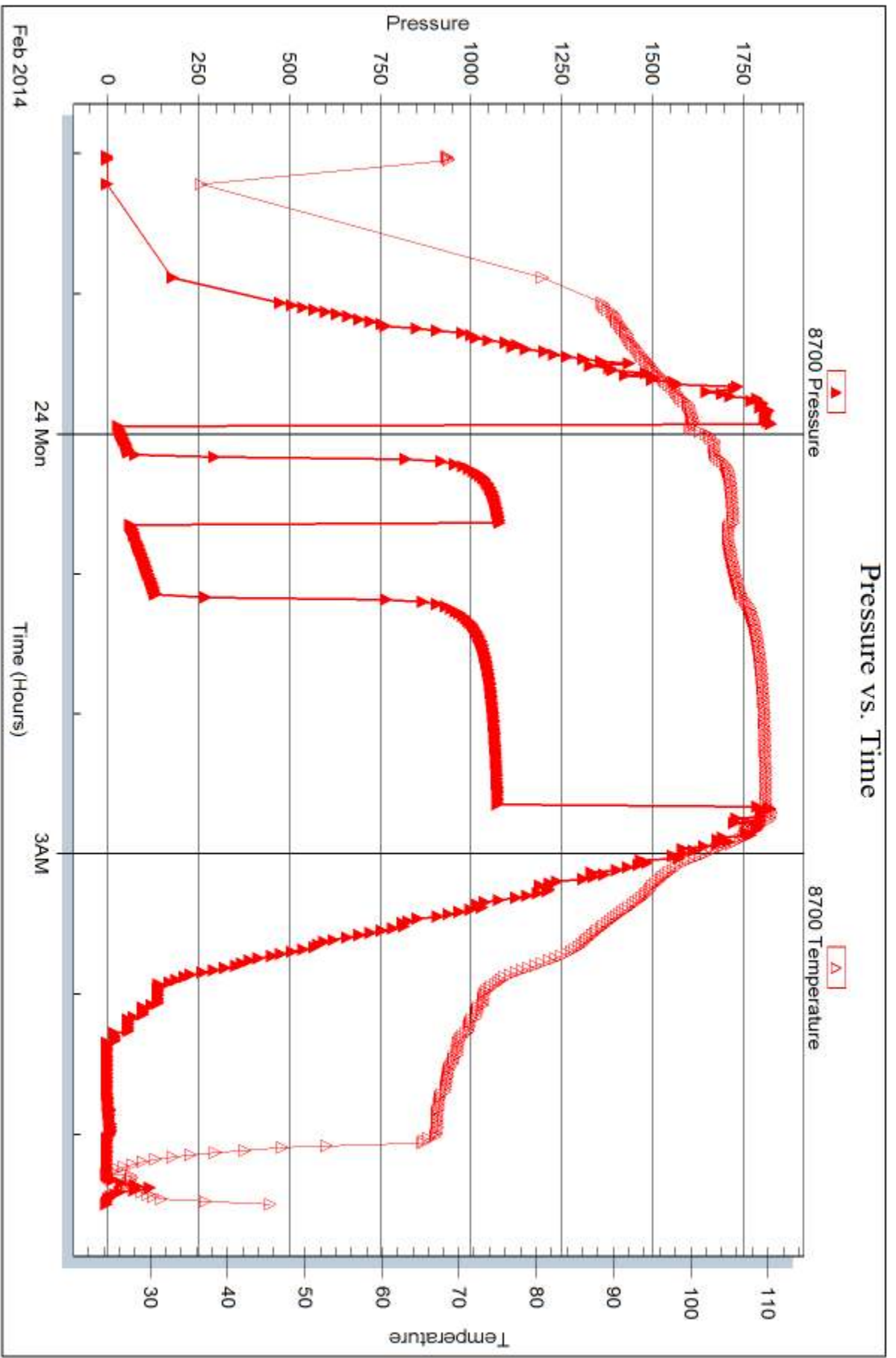
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 400# 200MLgas 1700ML oil 100MLmud





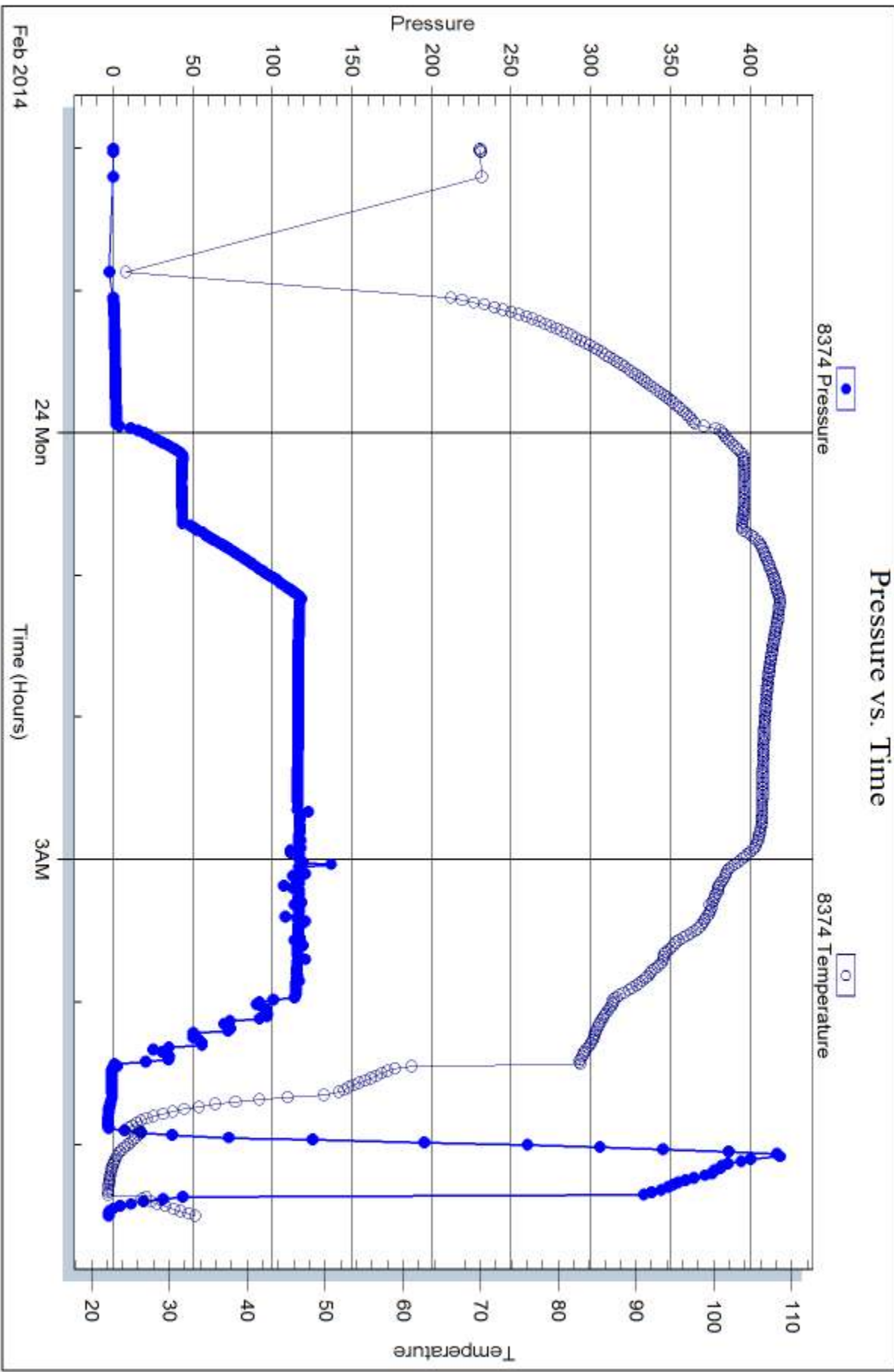
Serial #: 8374

Fluid

McEvain Energy Inc

Gustafson #11-6

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 56245

Printed: 2014.02.27 @ 11:24:44



DRILL STEM TEST REPORT

Prepared For: **McElvain Energy Inc**

1050 17th St. STE 2500
Denver CO 80265-2080

ATTN: Jim McKinney, Mike R

Gustafson #11-6

11-10s-22w Graham,KS

Start Date: 2014.02.24 @ 14:20:03

End Date: 2014.02.24 @ 18:15:00

Job Ticket #: 56246 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.27 @ 11:24:14

McElvain Energy Inc

11-10s-22w Graham,KS

Gustafson #11-6

DST # 4

LKC K-L

2014.02.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56246

DST#: 4

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.24 @ 14:20:03

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3745.00 ft | Diameter: 3.80 inches | Volume: 52.53 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 75000.00 lb |
| | | | <u>Total Volume: 52.53 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 54000.00 lb |
| Depth to Top Packer: | 3755.00 ft | | | Final 55000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 39.00 ft | | | |
| Tool Length: | 74.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Recorder | 0.00 | 8374 | Fluid | 3720.00 | |
| Blank Spacing | 5.00 | | | 3725.00 | |
| Shut In Tool | 5.00 | | | 3730.00 | |
| Sampler | 2.00 | | | 3732.00 | |
| Hydraulic tool | 5.00 | | | 3737.00 | |
| Jars | 5.00 | | | 3742.00 | |
| Safety Joint | 3.00 | | | 3745.00 | |
| Packer | 5.00 | | | 3750.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3755.00 | |
| Stubb | 1.00 | | | 3756.00 | |
| Perforations | 3.00 | | | 3759.00 | |
| Recorder | 0.00 | 8369 | Inside | 3759.00 | |
| Recorder | 0.00 | 8700 | Outside | 3759.00 | |
| Blank Spacing | 32.00 | | | 3791.00 | |
| Bullnose | 3.00 | | | 3794.00 | 39.00 Bottom Packers & Anchor |

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56246

DST#: 4

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.24 @ 14:20:03

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 150.00 | Mud | 2.104 |

Total Length: 150.00 ft

Total Volume: 2.104 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

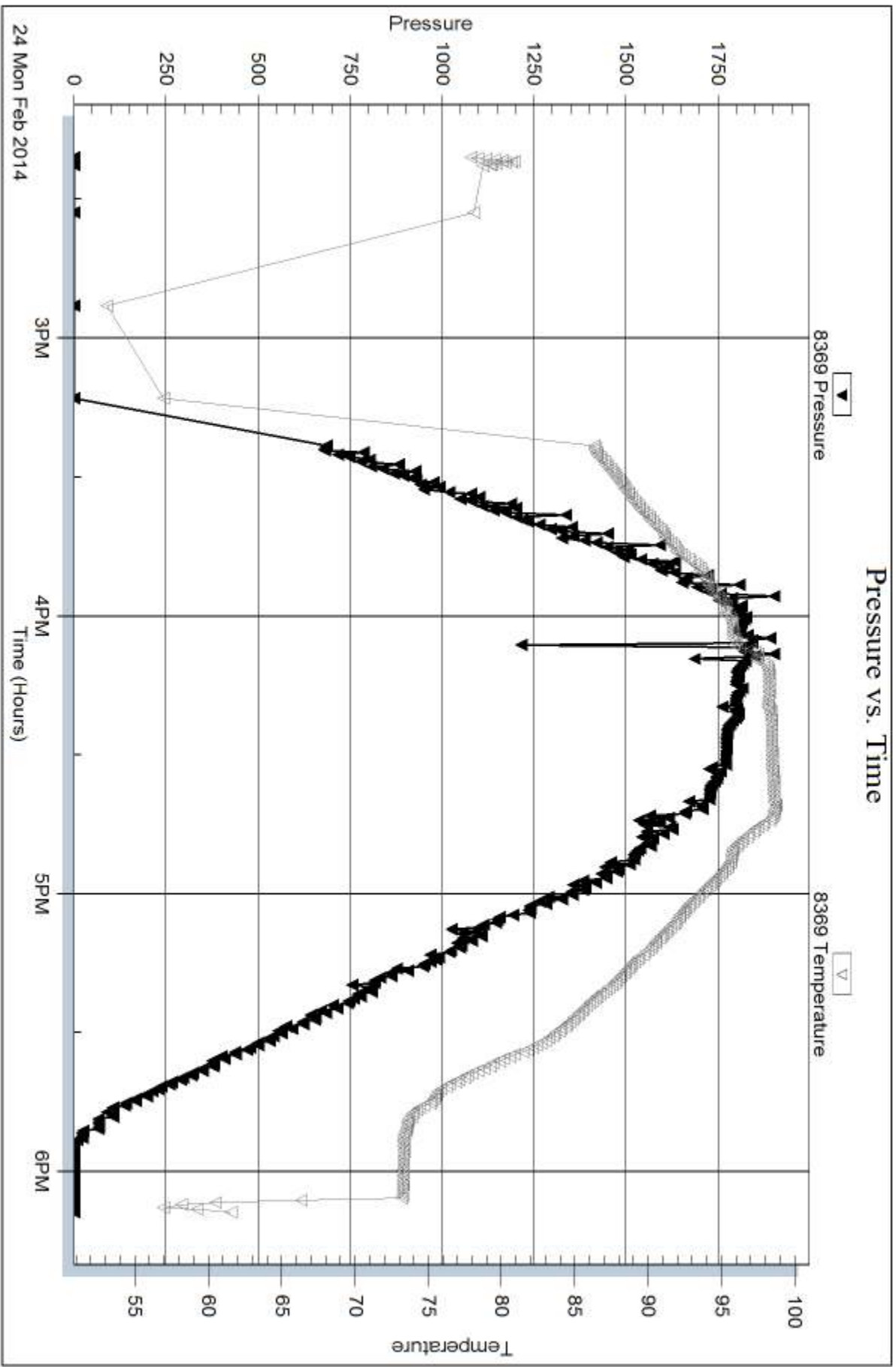
Serial #: 8369

Inside

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56246

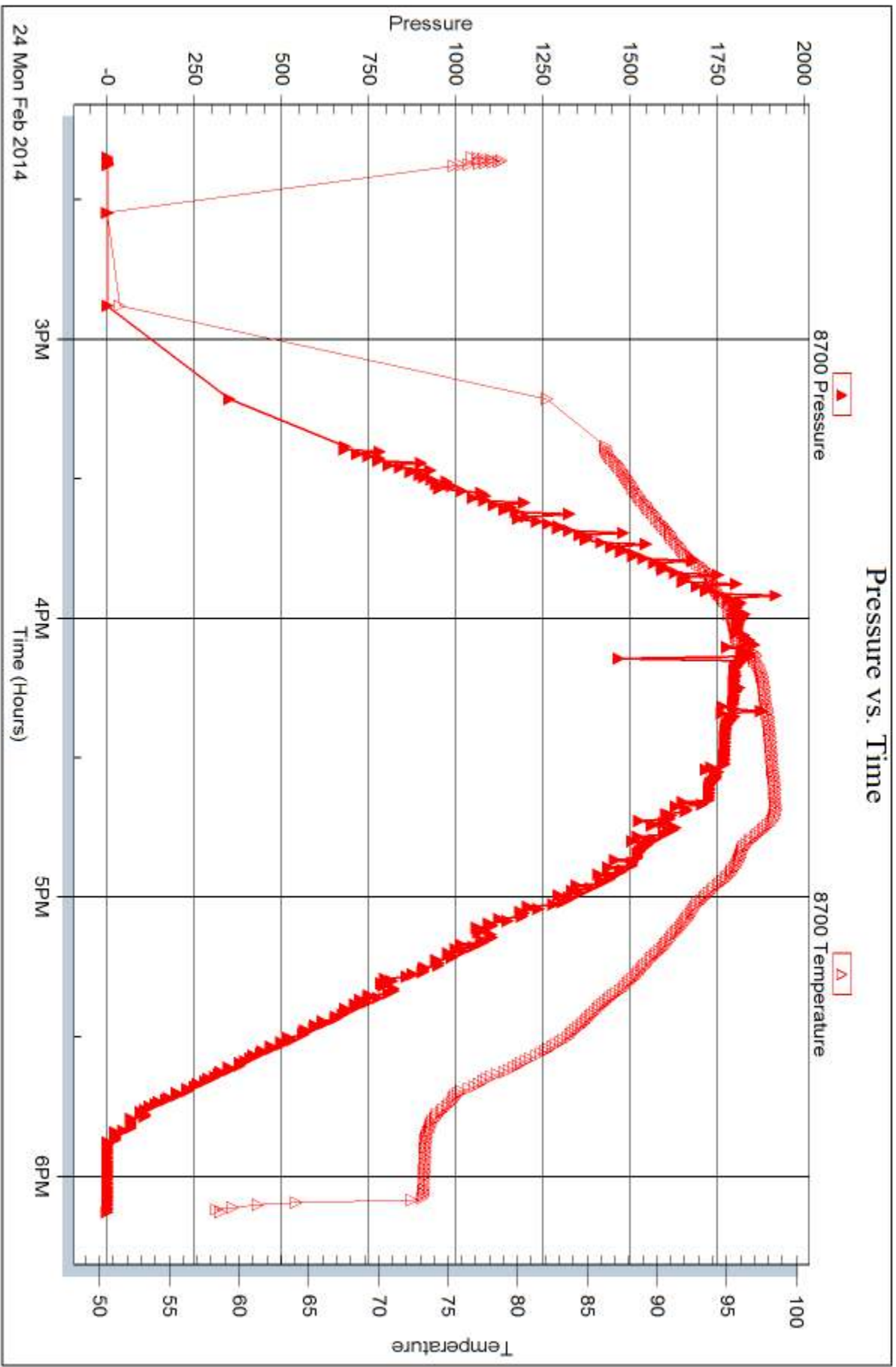
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Serial #: 8700

Outside McElvain Energy Inc

Gustafson #11-6

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 56246

Printed: 2014.02.27 @ 11:24:16

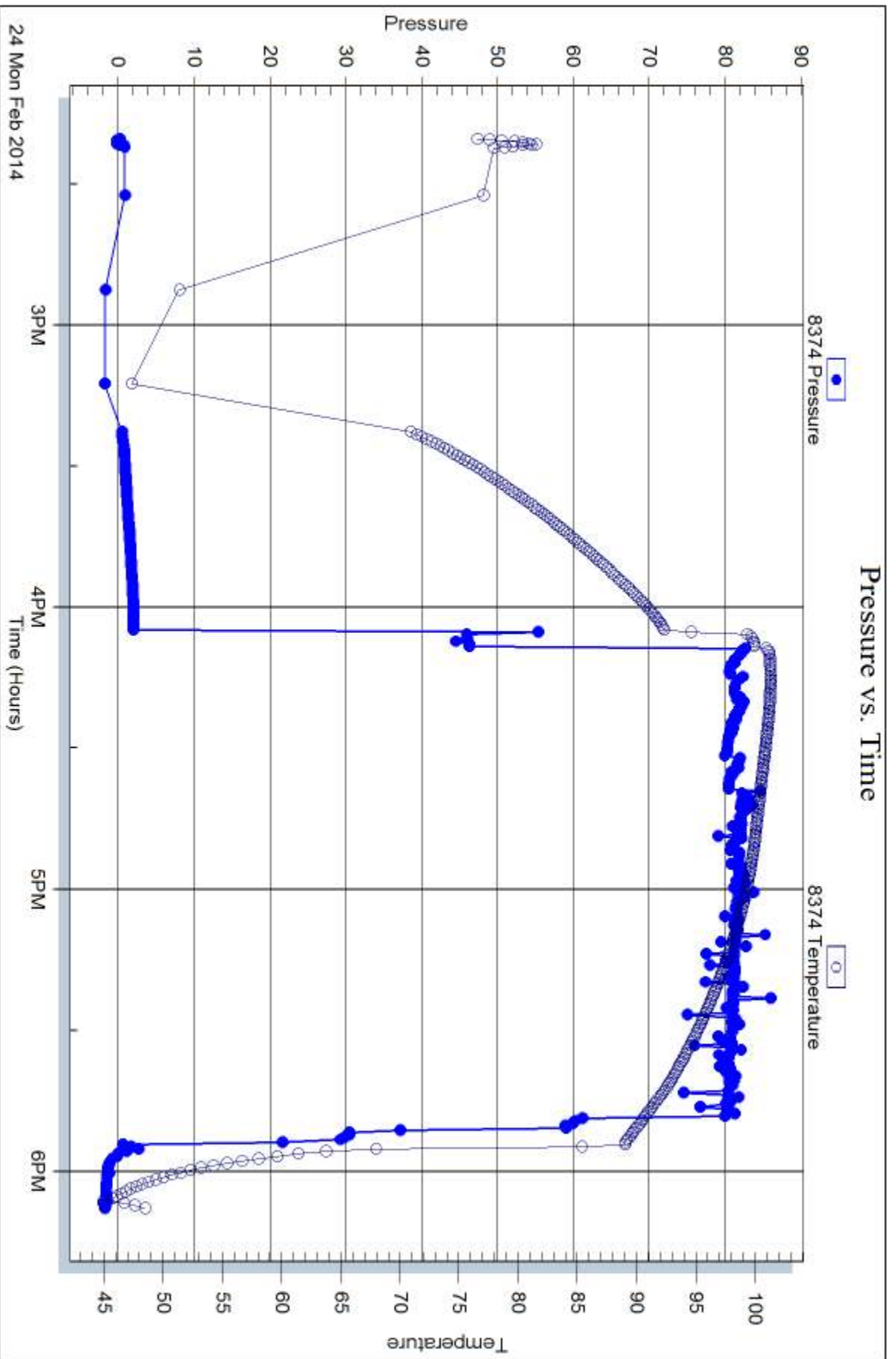
Serial #: 8374

Fluid

McEvain Energy Inc

Gustafson #11-6

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56246

Printed: 2014.02.27 @ 11:24:16



DRILL STEM TEST REPORT

Prepared For: **McElvain Energy Inc**

1050 17th St. STE 2500
Denver CO 80265-2080

ATTN: Jim McKinney, Mike R

Gustafson #11-6

11-10s-22w Graham,KS

Start Date: 2014.02.24 @ 18:30:24

End Date: 2014.02.25 @ 03:13:04

Job Ticket #: 56247 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.27 @ 11:20:26

McElvain Energy Inc

11-10s-22w Graham,KS

Gustafson #11-6

DST # 5

LKC K-L

2014.02.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56247

DST#: 5

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.24 @ 18:30:24

GENERAL INFORMATION:

Formation: **LKC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:57:04

Time Test Ended: 03:13:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3750.00 ft (KB) To 3794.00 ft (KB) (TVD)

Reference Elevations: 2334.00 ft (KB)

Total Depth: 3794.00 ft (KB) (TVD)

2324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8369

Inside

Press@RunDepth: 25.32 psig @ 3759.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.24

End Date:

2014.02.25

Last Calib.:

2014.02.25

Start Time: 18:30:24

End Time:

03:13:04

Time On Btm:

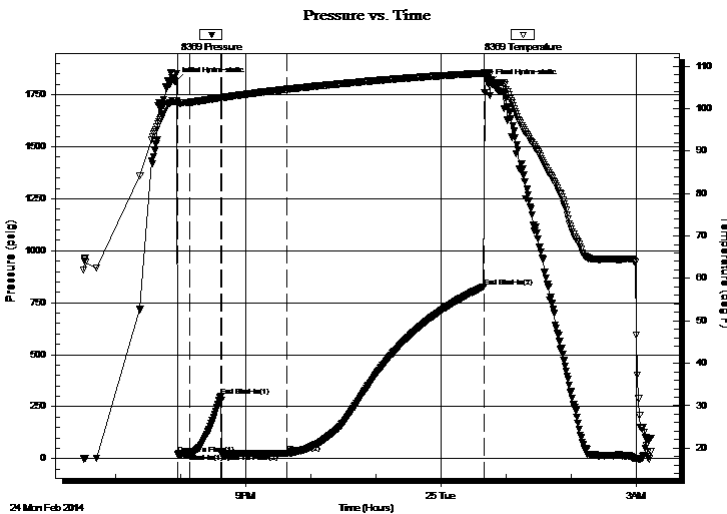
2014.02.24 @ 19:54:49

Time Off Btm:

2014.02.25 @ 00:44:18

TEST COMMENT: 10-IFP-w k bl , 1/2" bl
30-ISIP-no bl
60-FFP-no bl
180-FSIP-no bl

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1813.68 | 101.76 | Initial Hydro-static |
| 3 | 22.49 | 101.20 | Open To Flow (1) |
| 13 | 23.52 | 101.47 | Shut-In(1) |
| 42 | 301.45 | 102.60 | End Shut-In(1) |
| 43 | 23.75 | 102.55 | Open To Flow (2) |
| 104 | 25.32 | 104.56 | Shut-In(2) |
| 285 | 827.67 | 108.31 | End Shut-In(2) |
| 290 | 1803.34 | 108.42 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | Mud | 0.07 |
| | | |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56247

DST#: 5

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.24 @ 18:30:24

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3746.00 ft | Diameter: 3.80 inches | Volume: 52.55 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 75000.00 lb |
| | | | <u>Total Volume: 52.55 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial 54000.00 lb |
| Depth to Top Packer: | 3750.00 ft | | | Final 54000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 44.00 ft | | | |
| Tool Length: | 79.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Recorder | 0.00 | 8374 | Fluid | 3715.00 | |
| Blank Spacing | 5.00 | | | 3720.00 | |
| Shut In Tool | 5.00 | | | 3725.00 | |
| Sampler | 2.00 | | | 3727.00 | |
| Hydraulic tool | 5.00 | | | 3732.00 | |
| Jars | 5.00 | | | 3737.00 | |
| Safety Joint | 3.00 | | | 3740.00 | |
| Packer | 5.00 | | | 3745.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3750.00 | |
| Stubb | 1.00 | | | 3751.00 | |
| Perforations | 8.00 | | | 3759.00 | |
| Recorder | 0.00 | 8369 | Inside | 3759.00 | |
| Recorder | 0.00 | 8700 | Outside | 3759.00 | |
| Blank Spacing | 32.00 | | | 3791.00 | |
| Bullnose | 3.00 | | | 3794.00 | 44.00 Bottom Packers & Anchor |

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

11-10s-22w Graham,KS

1050 17th St. STE 2500
Denver CO 80265-2080

Gustafson #11-6

Job Ticket: 56247

DST#: 5

ATTN: Jim McKinney, Mike R

Test Start: 2014.02.24 @ 18:30:24

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | Mud | 0.070 |

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

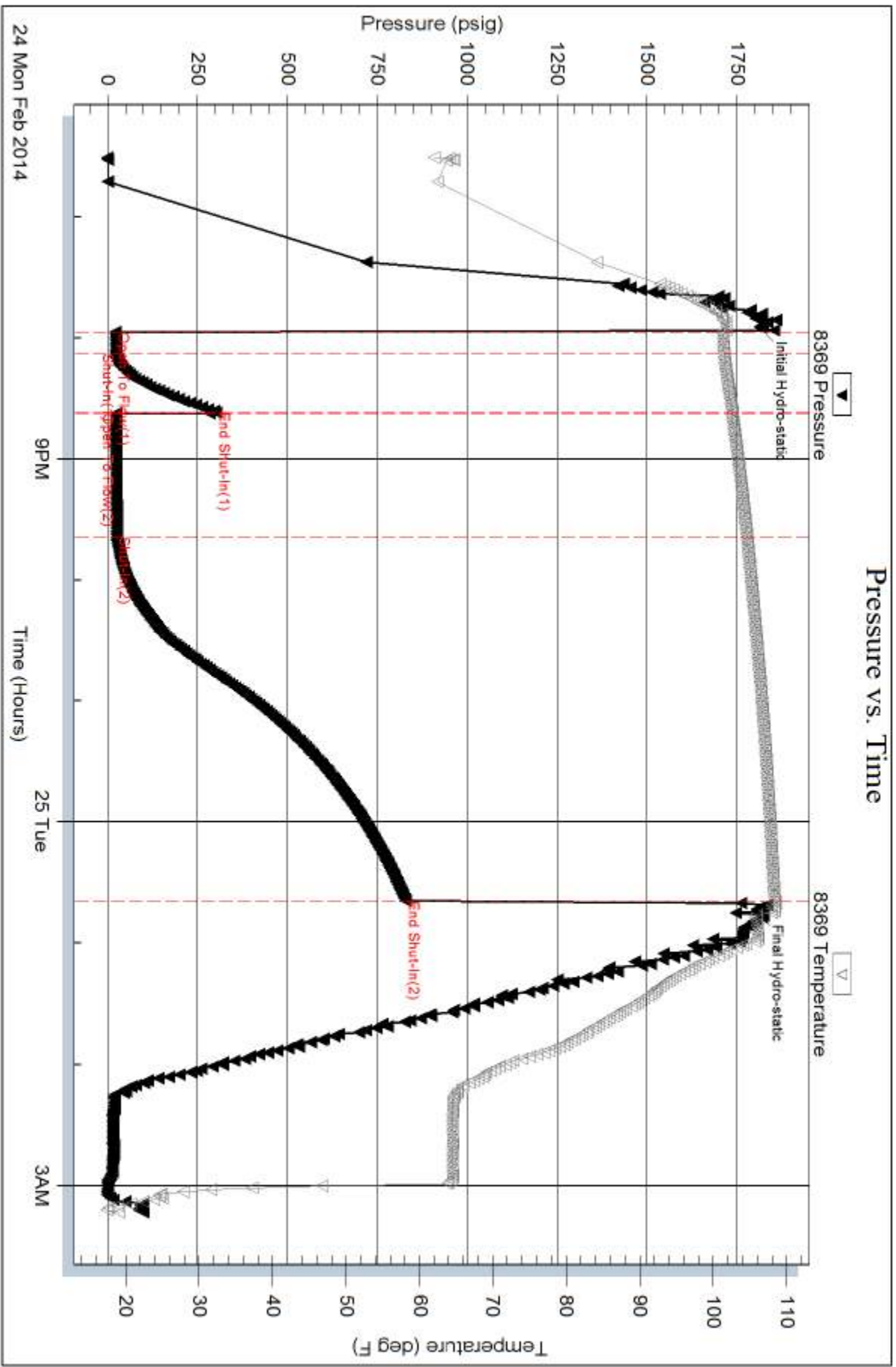
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 40 # 1000MLmud

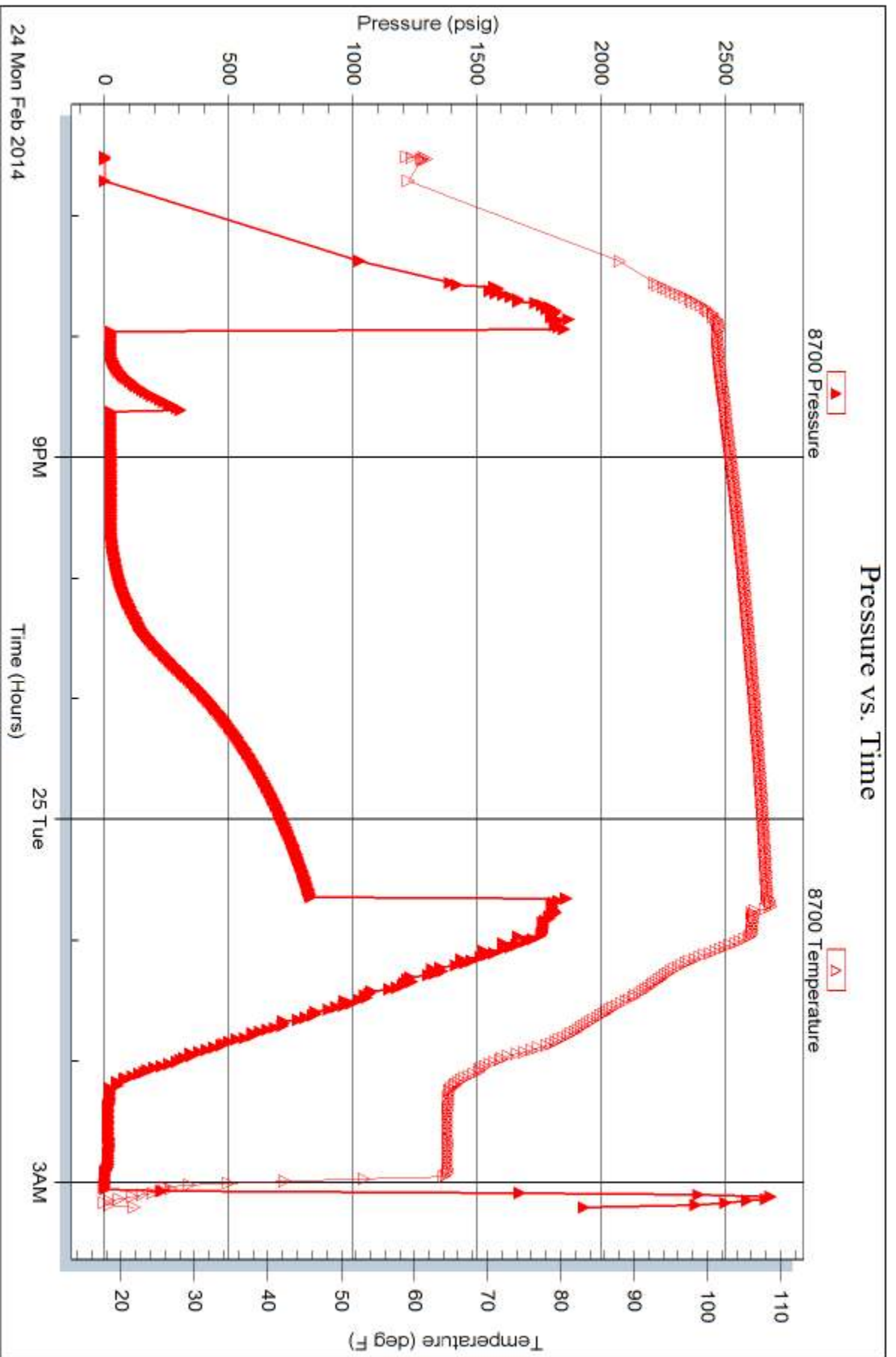


Serial #: 8700

Outside McElvain Energy Inc

Gustafson #11-6

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 56247

Printed: 2014.02.27 @ 11:20:29

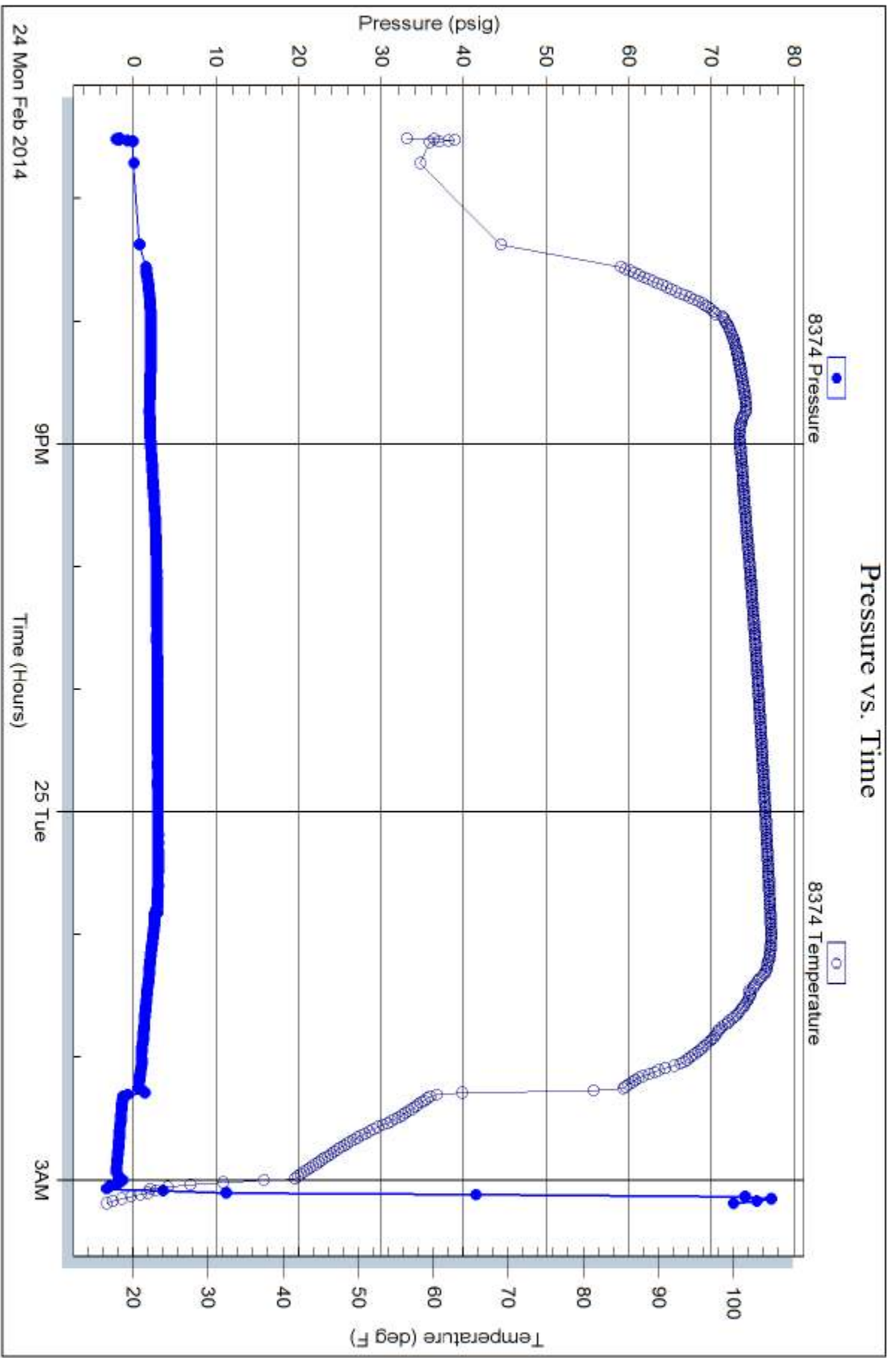
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Fluid

McEvain Energy Inc

Gustafson #11-6

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 56247

Printed: 2014.02.27 @ 11:20:29



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56243

Well Name & No. Gustafson #11-6 Test No. 1 Date 2-21-14
 Company McELVAIN Energy, INC Elevation 2334 KB 2324 GL
 Address 1050 17th ST. STE 2500 Denver, Co 80265-2080
 Co. Rep / Geo. Mike Rigby Rig VAL rig 6
 Location: Sec. 11 Twp. 10^s Rge. 22^w Co. GRAHAM State KO

Interval Tested 3567-3607 Zone Tested LKC "A"
 Anchor Length 40 Drill Pipe Run 3558 Mud Wt. 9
 Top Packer Depth 3562 Drill Collars Run - Vis 51
 Bottom Packer Depth 3567 Wt. Pipe Run - WL 5.6
 Total Depth 3607 Chlorides 2400 ppm System LCM 1#

Blow Description IFP - Weak To A Good Blow 1/2" To 6" Blow
ISIP - NO Blow
FFP - Fair To A Strong Blow 4" To Bottom of Bucket
FSIP - NO Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|-----------|-----------|--------|-----------|
| <u>335</u> | <u>GIP</u> | | | | |
| <u>50</u> | <u>CO</u> | | | | |
| <u>50</u> | <u>MGO</u> | <u>10</u> | <u>50</u> | | <u>40</u> |
| | | | | | |
| | | | | | |

Rec Total 100 BHT 106 Gravity 30 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1735 Test 1150 T-On Location 2310
 (B) First Initial Flow 21 Jars 250 T-Started 0130
 (C) First Final Flow 31 Safety Joint 75 T-Open 0355
 (D) Initial Shut-In 715 Circ Sub _____ T-Pulled 0635
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 0903
 (F) Second Final Flow 55 Mileage 90 RT 139.50 Comments _____
 (G) Final Shut-In 717 Sampler 250 _____
 (H) Final Hydrostatic 1731 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 10
 Initial Shut-In 30 Extra Recorder 200 Sub Total 0
 Final Flow 30 Day Standby _____ Total 2064.50
 Final Shut-In 90 Accessibility _____ MP/DST Disc't _____
 Sub Total 2064.50

Approved By Randy Samples Our Representative Ray Schwager Thank you

Trilobite Testing Inc. shall not be liable for damaged or 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.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 56243 Date 2-21-14
 Company Name McELVAIN Energy Inc
 Lease GUSTAFSON #11-6 Test No. 1
 County GRAHAM Sec. 11 Twp. 10^s Rng. 22^w

SAMPLER RECOVERY

Gas 200 ML
 Oil 1800 ML
 Mud - ML
 Water - ML
 Other _____ ML
 Pressure 100 # ~~ML~~
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 2400 ppm.
 Resistivity 1.6 ohms @ 65 F
 Viscosity 51
 Mud Weight 9
 Filtrate 5.6
 Other 1 # LCM

SAMPLER ANALYSIS

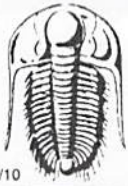
Resistivity - ohms @ - F
 Chlorides _____ ppm.
 Gravity 30 corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56244

4/10

Well Name & No. Gustafson #11-6 Test No. 2 Date 2-22-14
 Company McELVAIN Energy, Inc Elevation 2334 KB 2324 GL
 Address 1050 17th ST, STE 2500 DENVER, Co 80265-2080
 Co. Rep / Geo. Mike Rigby Rig DAL rig 6
 Location: Sec. 11 Twp. 10^s Rge. 22^w Co. GRAHAM State Ks.

Interval Tested 3604-3665 Zone Tested LKC C-F
 Anchor Length 61 Drill Pipe Run 3589 Mud Wt. 9.5
 Top Packer Depth 3599 Drill Collars Run - Vis 57
 Bottom Packer Depth 3604 Wt. Pipe Run - WL 5.4
 Total Depth 3665 Chlorides 2500 ppm System LCM 1#
 Blow Description IFP - Weak Blow thru-out 1/4" Blow
ISIP - NO Blow
FFP - Weak Blow thru-out, surface Blow
FSIP - NO Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|-------------|----------|------|-----------|------|
| <u>20</u> | <u>50CM</u> | <u>1</u> | | <u>99</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 20 BHT 105 Gravity - API RW - @ - ° F Chlorides - ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1761</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>1950</u> |
| (B) First Initial Flow <u>20</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>2105</u> |
| (C) First Final Flow <u>23</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>2335</u> |
| (D) Initial Shut-In <u>472</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>0415</u> |
| (E) Second Initial Flow <u>24</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>0639</u> |
| (F) Second Final Flow <u>36</u> | <input checked="" type="checkbox"/> Mileage <u>90RT</u> 139.50 | Comments |
| (G) Final Shut-In <u>435</u> | <input checked="" type="checkbox"/> Sampler <u>250</u> | |
| (H) Final Hydrostatic <u>1755</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>10</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>60</u> | <input checked="" type="checkbox"/> Extra Recorder <u>200</u> | Sub Total <u>0</u> |
| Final Shut-In <u>180</u> | <input type="checkbox"/> Day Standby | Total <u>2064.50</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>2064.50</u> | |

Approved By [Signature] Our Representative Ray Schwager thank you

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.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 56244 Date 2-22-14
 Company Name McELVAIN Energy, Inc
 Lease GUSTAFSON #11-6 Test No. 2
 County GRAHAM Sec. 11 Twp. 10^s Rng. 22^w

SAMPLER RECOVERY

Gas — ML
 Oil TRACE ML
 Mud 1500 ML
 Water — ML
 Other F ML
 Pressure 100 # ML
 Total 1500 ML

PIT MUD ANALYSIS

Chlorides 2500 ppm.
 Resistivity 1.6 ohms @ 60 F
 Viscosity 57
 Mud Weight 9.5
 Filtrate 5.4
 Other 1# LCM

SAMPLER ANALYSIS

Resistivity — ohms @ — F
 Chlorides — ppm.
 Gravity — corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56245

4/10

Well Name & No. Gustafson #11-6 Test No. 3 Date 2-23-14
 Company McELVAIN Energy Inc Elevation 2334 KB 2324 GL
 Address 1050 17TH ST. STE 2500 Denver, Co 80265-2080
 Co. Rep / Geo. Mike Rigby Rig VALrig6
 Location: Sec. 11 Twp. 10^s Rge. 22^w Co. GRAHAM State Ko

Interval Tested 3697-3758 Zone Tested LKC H-5
 Anchor Length 61 Drill Pipe Run 3683 Mud Wt. 9.4
 Top Packer Depth 3692 Drill Collars Run - Vis 56
 Bottom Packer Depth 3697 Wt. Pipe Run - WL 6.4
 Total Depth 3758 Chlorides 2400 ppm System LCM 1#

Blow Description IFP - WEAK TO STRONG IN 3 MIN
TSIP - SURFACE BLOW BACK
FFP - WEAK TO STRONG IN 4 MIN
FSIP - SURFACE BLOW BACK

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|-----------|-----------|--------|-----------|
| <u>690</u> | <u>GIP</u> | | | | |
| <u>270</u> | <u>CO</u> | | | | |
| <u>95</u> | <u>MGO</u> | <u>20</u> | <u>55</u> | | <u>25</u> |
| | | | | | |
| | | | | | |

Rec Total 365 BHT 110 Gravity 36 API RW - @ - ° F Chlorides - ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1868</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>2120</u> |
| (B) First Initial Flow <u>26</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>2200</u> |
| (C) First Final Flow <u>59</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>2355</u> |
| (D) Initial Shut-In <u>1079</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>0235</u> |
| (E) Second Initial Flow <u>67</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>0530</u> |
| (F) Second Final Flow <u>133</u> | <input checked="" type="checkbox"/> Mileage <u>90RT</u> 139.50 | Comments |
| (G) Final Shut-In <u>1075</u> | <input checked="" type="checkbox"/> Sampler <u>250</u> | |
| (H) Final Hydrostatic <u>1799</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| | <input checked="" type="checkbox"/> Extra Recorder <u>200</u> | Sub Total <u>0</u> |
| | <input type="checkbox"/> Day Standby | Total <u>2064.50</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>2064.50</u> | |

Initial Open 10
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 90

Approved By Rodriguez Gonzalez Our Representative RAY SCHWAGER *Thank you*

TriLOBite Testing Inc. shall not be liable for damages of any kind or 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.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 56245 Date 2-23-14
 Company Name McELWAIN Energy Inc
 Lease GUSTAFSON 11-6 Test No. 3
 County GRAHAM Sec. 11 Twp. 10^r Rng. 22^w

SAMPLER RECOVERY

Gas 200 ML
 Oil 1700 ML
 Mud 100 ML
 Water — ML
 Other — ML
 Pressure 400 # ML
 Total _____ ML

PIT MUD ANALYSIS

Chlorides 2400 ppm.
 Resistivity 1.6 ohms @ 65 F
 Viscosity 56
 Mud Weight 9.4
 Filtrate 6.4
 Other 1# LCM

SAMPLER ANALYSIS

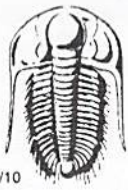
Resistivity — ohms @ — F
 Chlorides — ppm.
 Gravity 36 corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56246

Well Name & No. GUSTAFSON #11-6 Test No. 4 Date 2-24-14
 Company McFLUAIN Energy Inc Elevation 2334 KB 2324 GL
 Address 1050 17th ST. STE 2500 DENVER, CO 80265-2080
 Co. Rep / Geo. Mike Rigby Rig VAL rig 6
 Location: Sec. 11 Twp. 10^s Rge. 22^w Co. GRAHAM State Ko

Interval Tested 3755-3794 Zone Tested LKC K-2
 Anchor Length 39 Drill Pipe Run 3745 Mud Wt. 9.2
 Top Packer Depth 3750 Drill Collars Run - Vis 60
 Bottom Packer Depth 3755 Wt. Pipe Run - WL 6
 Total Depth 3794 Chlorides 2400 ppm System LCM 1#
 Blow Description TFP - NO PACKER SEAT, SET TWICE
ISIP - pulled Tool
FFP -
FSIP -

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|---------------|------|------|--------|------|
| <u>150</u> | <u>Mud</u> | | | | |
| | <u>MISRUN</u> | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 150 BHT _____ Gravity - API RW - @ - ° F Chlorides - ppm

| | | |
|-------------------------------|--|--|
| (A) Initial Hydrostatic _____ | <input checked="" type="checkbox"/> Test <u>950</u> | T-On Location <u>1335</u> |
| (B) First Initial Flow _____ | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>1420</u> |
| (C) First Final Flow _____ | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>1610</u> |
| (D) Initial Shut-In _____ | <input type="checkbox"/> Circ Sub _____ | T-Pulled <u>1630</u> |
| (E) Second Initial Flow _____ | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>1815</u> |
| (F) Second Final Flow _____ | <input checked="" type="checkbox"/> Mileage <u>90 RT</u> <u>139.50</u> | Comments _____ |
| (G) Final Shut-In _____ | <input checked="" type="checkbox"/> Sampler _____ | |
| (H) Final Hydrostatic _____ | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Initial Open _____ | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Extra Copies _____ |
| Initial Shut-In _____ | <input checked="" type="checkbox"/> Extra Recorder <u>200</u> | Sub Total <u>0</u> |
| Final Flow _____ | <input type="checkbox"/> Day Standby _____ | Total <u>1614.50</u> |
| Final Shut-In _____ | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>1614.50</u> | |

Approved By Rock Morales Our Representative RAY SCHWAGER Thank you

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.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 56246 Date 2-24-14
 Company Name McELVAIN Energy Inc
 Lease GUSTAFSON #11-6 Test No. 4
 County GRAHAM Sec. 11 Twp. 10^s Rng. 22^w

SAMPLER RECOVERY

Gas — ML
 Oil — ML
 Mud 2000 ML
 Water — ML
 Other — ML
 Pressure — ML
 Total 2000 ML

PIT MUD ANALYSIS

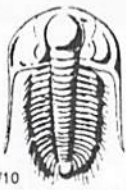
Chlorides 2400 ppm.
 Resistivity 1.6 ohms @ 65 F
 Viscosity 60
 Mud Weight 9.2
 Filtrate 6
 Other 1H

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56247

Well Name & No. Gustafson #11-6 Test No. 5 Date 2-24-14
 Company McELVAIN Energy, Inc Elevation 2334 KB 2324 GL
 Address 1050 17th ST. STE 2500 Denver, Co 80265-2080
 Co. Rep / Geo. Mike Rigby Rig Ual rig 6
 Location: Sec. 11 Twp. 10^s Rge. 22^w Co. Graham State Ko

Interval Tested 3750-3794 Zone Tested LKC K-L
 Anchor Length 44 Drill Pipe Run 3746 Mud Wt. 9.4
 Top Packer Depth 3745 Drill Collars Run - Vis 60
 Bottom Packer Depth 3750 Wt. Pipe Run - WL 6
 Total Depth 3794 Chlorides 2400 ppm System LCM 1#
 Blow Description TFP - WEAK Blow, 1/2" Blow
ISIP - NO Blow
FFP - NO Blow
FSIP - NO Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|------|------|--------|------|
| <u>5</u> | <u>Mud</u> | | | | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 108 Gravity - API RW - @ - ° F Chlorides - ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1813</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>2100 1335</u> |
| (B) First Initial Flow <u>22</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>1830</u> |
| (C) First Final Flow <u>23</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>1955</u> |
| (D) Initial Shut-In <u>301</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>0035</u> |
| (E) Second Initial Flow <u>23</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>0313 25th</u> |
| (F) Second Final Flow <u>25</u> | <input checked="" type="checkbox"/> Mileage <u>N/C</u> <u>139.50</u> | Comments <u>Loaded Tool</u> |
| (G) Final Shut-In <u>827</u> | <input checked="" type="checkbox"/> Sampler <u>250</u> | <u>25th 2130</u> |
| (H) Final Hydrostatic <u>1803</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |

Initial Open 10
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 180

Shale Packer
 Extra Packer
 Extra Recorder 200
 Day Standby
 Accessibility

Sub Total 2064.50
 Total 2064.50
 MP/DST Disc't

Approved By [Signature] Our Representative RAY SCHWAGER Thank you

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TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 56246 Date 2-24-14
 Company Name McELVAIN Energy Inc
 Lease GUSTAFSON 11-6 Test No. #5
 County GRAHAM Sec. 11 Twp. 10^s Rng. 22^w

SAMPLER RECOVERY

Gas — ML
 Oil — ML
 Mud 1000 ML
 Water — ML
 Other — ML
 Pressure 40# ML
 Total _____ ML

PIT MUD ANALYSIS

Chlorides 2400 ppm.
 Resistivity 1.6 ohms @ 65 F
 Viscosity 60
 Mud Weight 9.2
 Filtrate 6
 Other 1#

SAMPLER ANALYSIS

Resistivity — ohms @ — F
 Chlorides — ppm.
 Gravity — corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.