



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1213694
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1213694

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Gustafson 11-6
Doc ID	1213694

All Electric Logs Run

Neutron Density
Micro Resistivity
Induction
Sonic
Mud Log

Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Gustafson 11-6
Doc ID	1213694

Tops

Name	Top	Datum
Stone Corral	1833	501
Wellington Salt	2161	173
Base Wellington	2245	89
Chase	2503	-169
Waubunsee	3172	-838
Topeka	3332	-998
Heebner	3539	-1205
Toronto	3560	-1226
Lansing	3576	-1242
Lansing "C"	3614	-1280
Lansing "H"	3702	-1368
Base KC	3798	-1464
Marmaton	3832	-1498
Pawnee	3866	-1532
Cherokee	3895	-1561
Arbuckle	3964	-1630

Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Gustafson 11-6
Doc ID	1213694

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	Arbuckle: 6'; 24 shots; 90 deg	500 gals 15% HCl	3,974' - 3,980'
	Cement Retainer	Squeeze 175 sx "C" Neat; @2,000 psi; y=1.14; 15.6 ppg; 145 sx below ret.	3,972'
4	Arbuckle: 3'; 12 shots; 90 deg	300 gals 15% HCl	3,960' - 3,963'
	CIBP + 1 sx (10') cement		3,957'
4	Cherokee: 6'; 24 shots; 90 deg		3,931' - 3,937'
	CIBP + 2 sx (20') cement		3,920'
4	LKC "K": 4'; 16 shots; 90 deg	300 gal 28% HCl	3,775' - 3,779'
4	LKC "H": 5'; 20 shots; 90 deg	250 gals 28% HCl	3,710' - 3,715'



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:

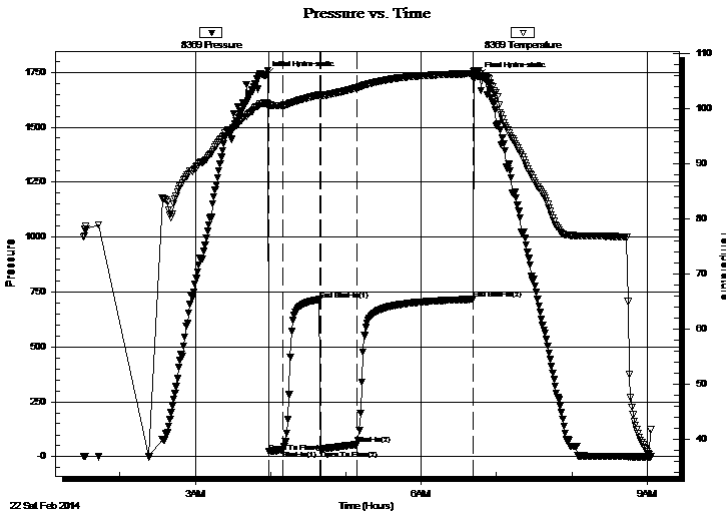
2014.02.22 @ 03:56:28

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

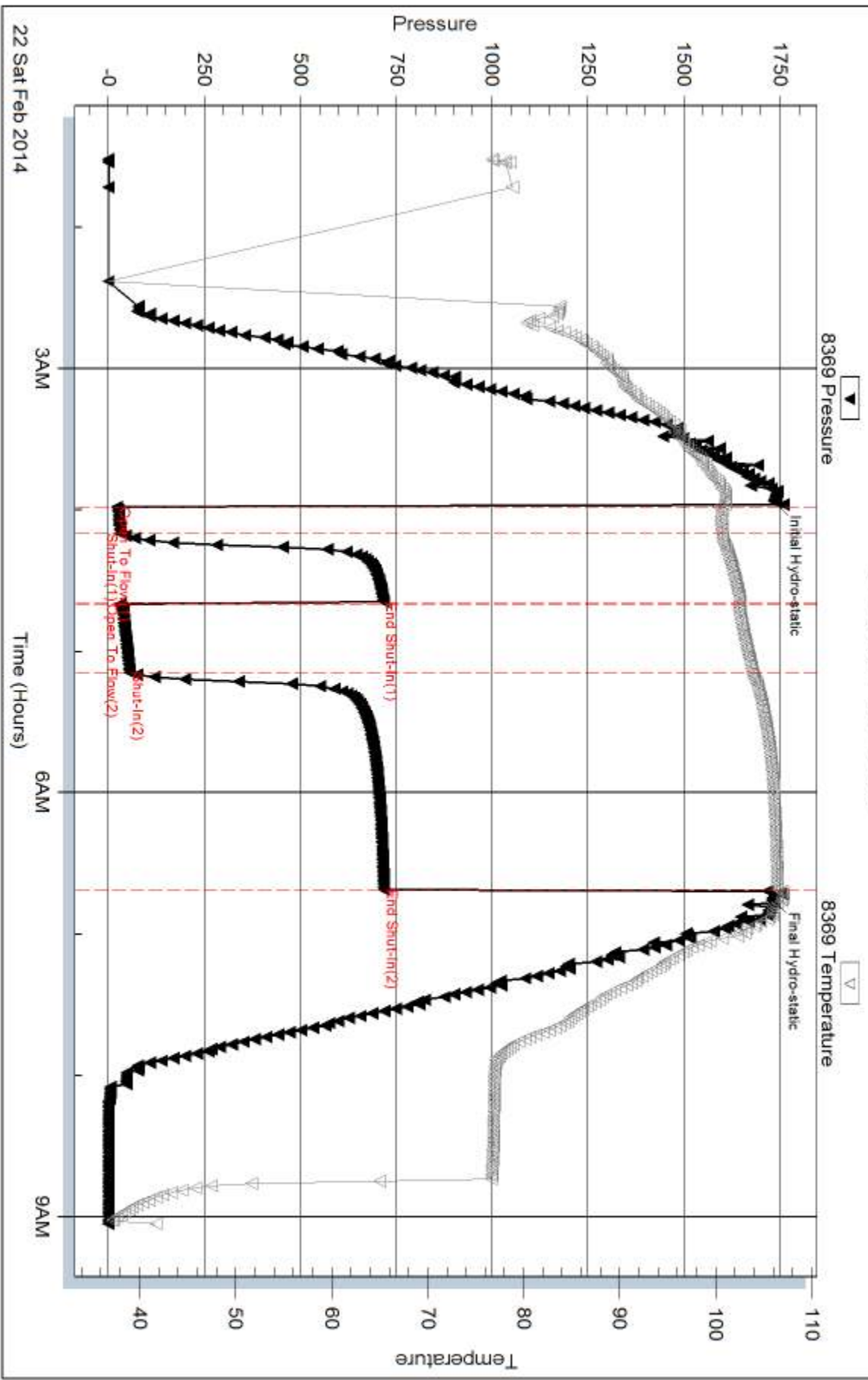
Serial #:

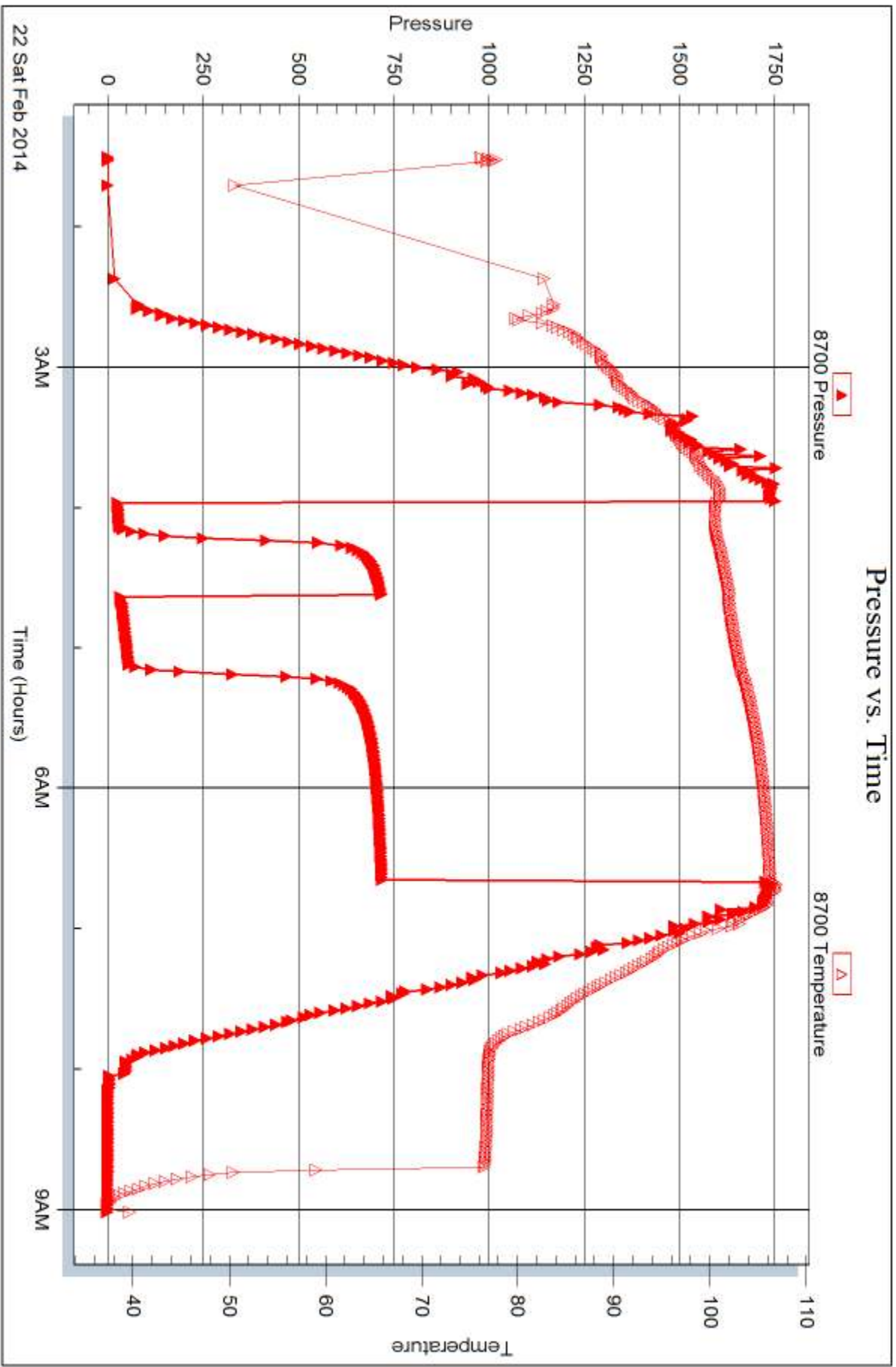
Laboratory Name:

Laboratory Location:

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

Pressure vs. Time





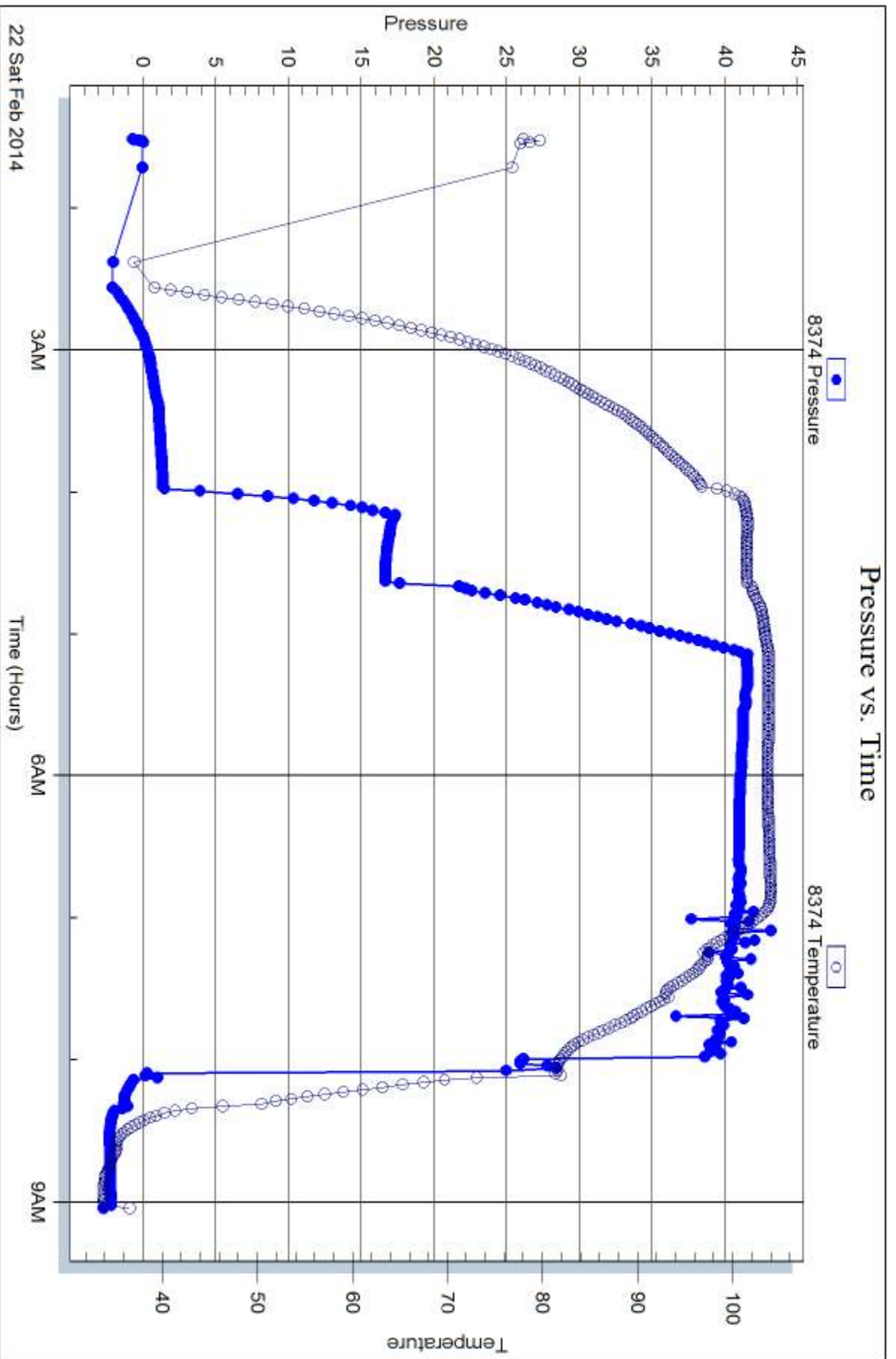
Serial #: 8374

Fluid

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 1



Trilobite 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

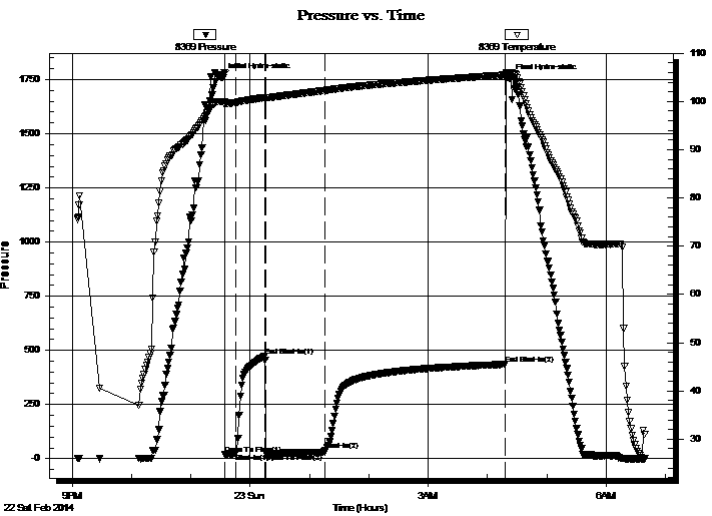
Time Off Btm: 2014.02.23 @ 04:21:39

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 bbl
20.00	SOCM 1%O99%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

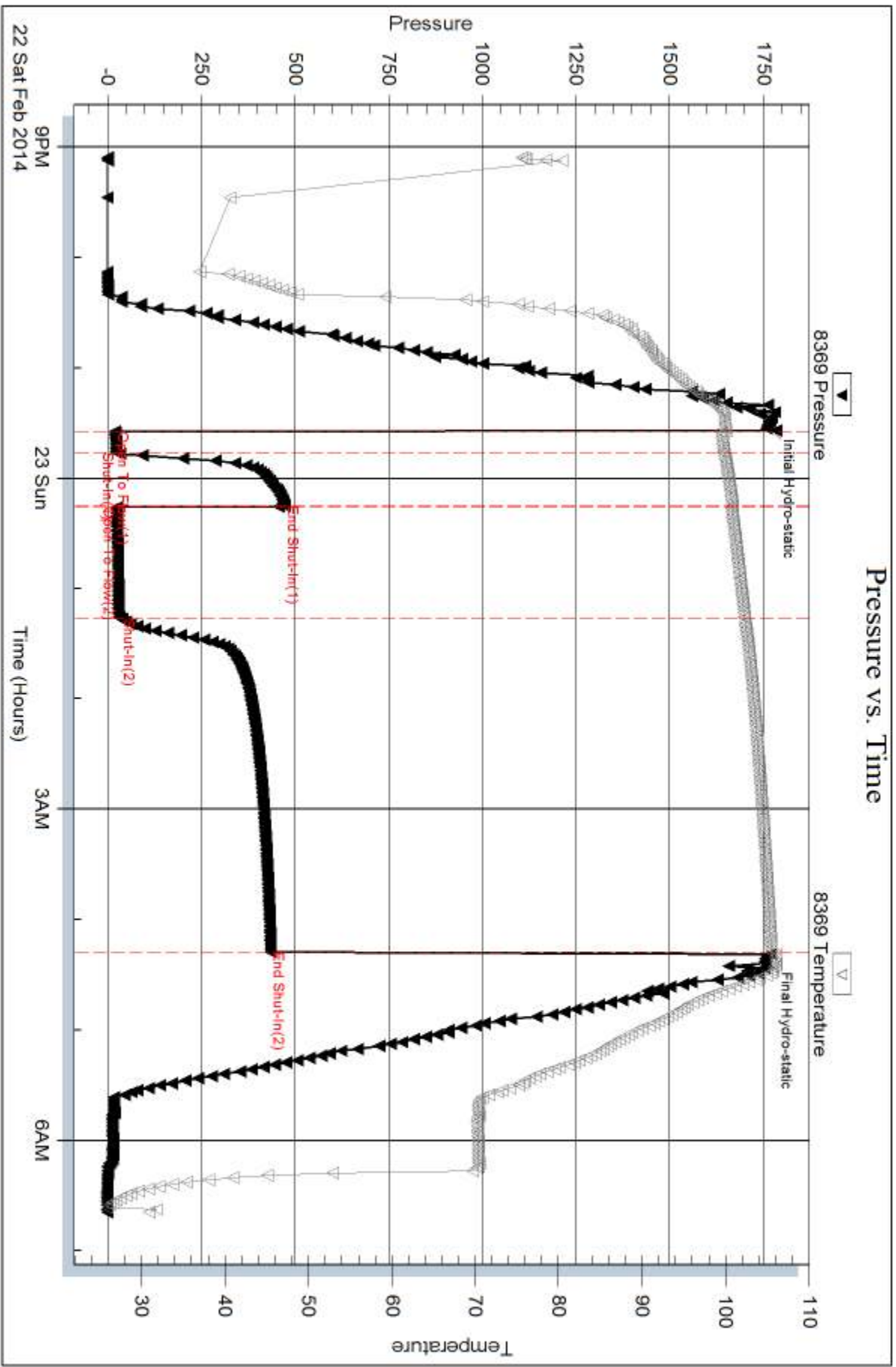
Num Gas Bombs: 0

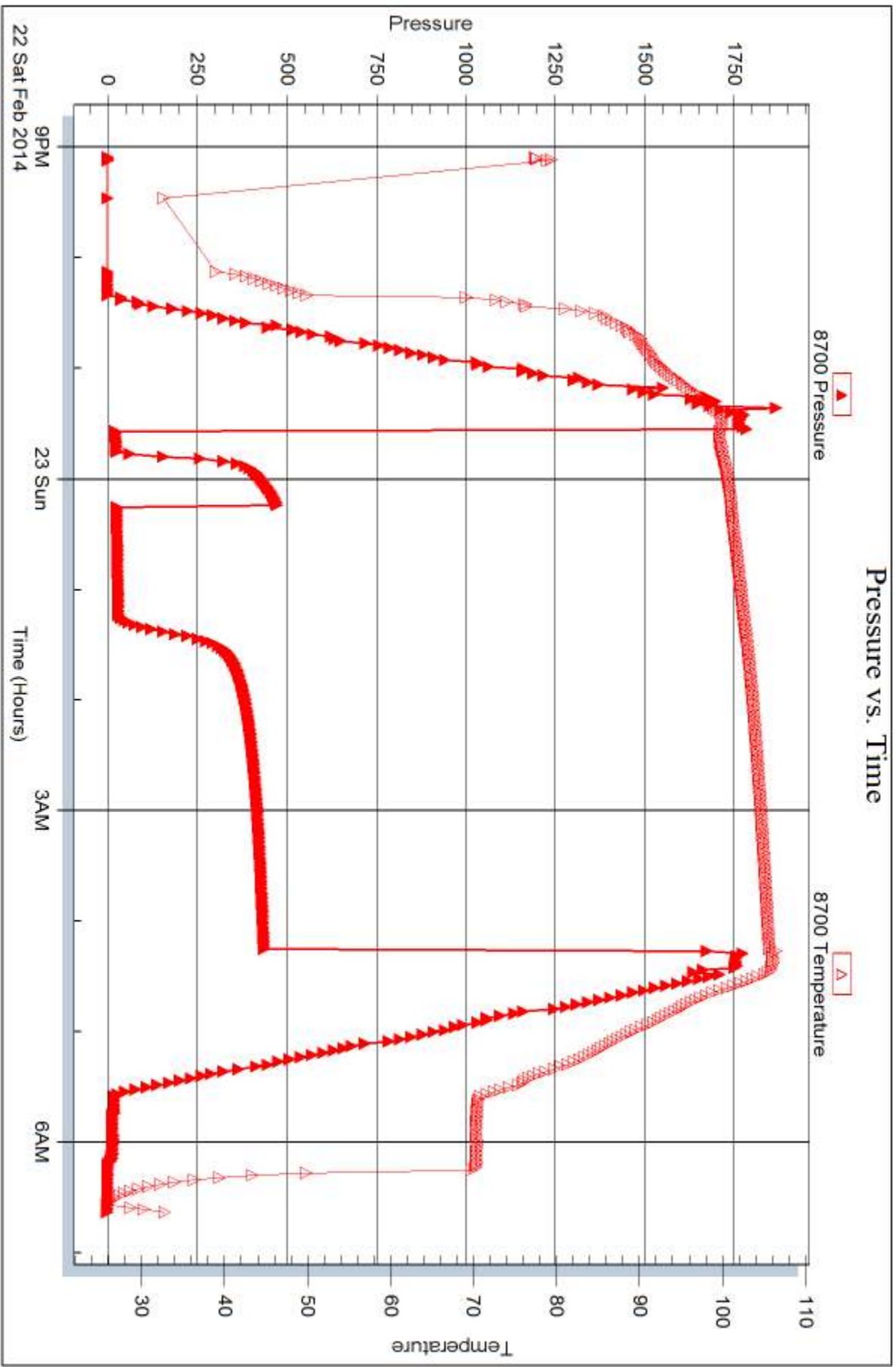
Serial #:

Laboratory Name:

Laboratory Location:

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





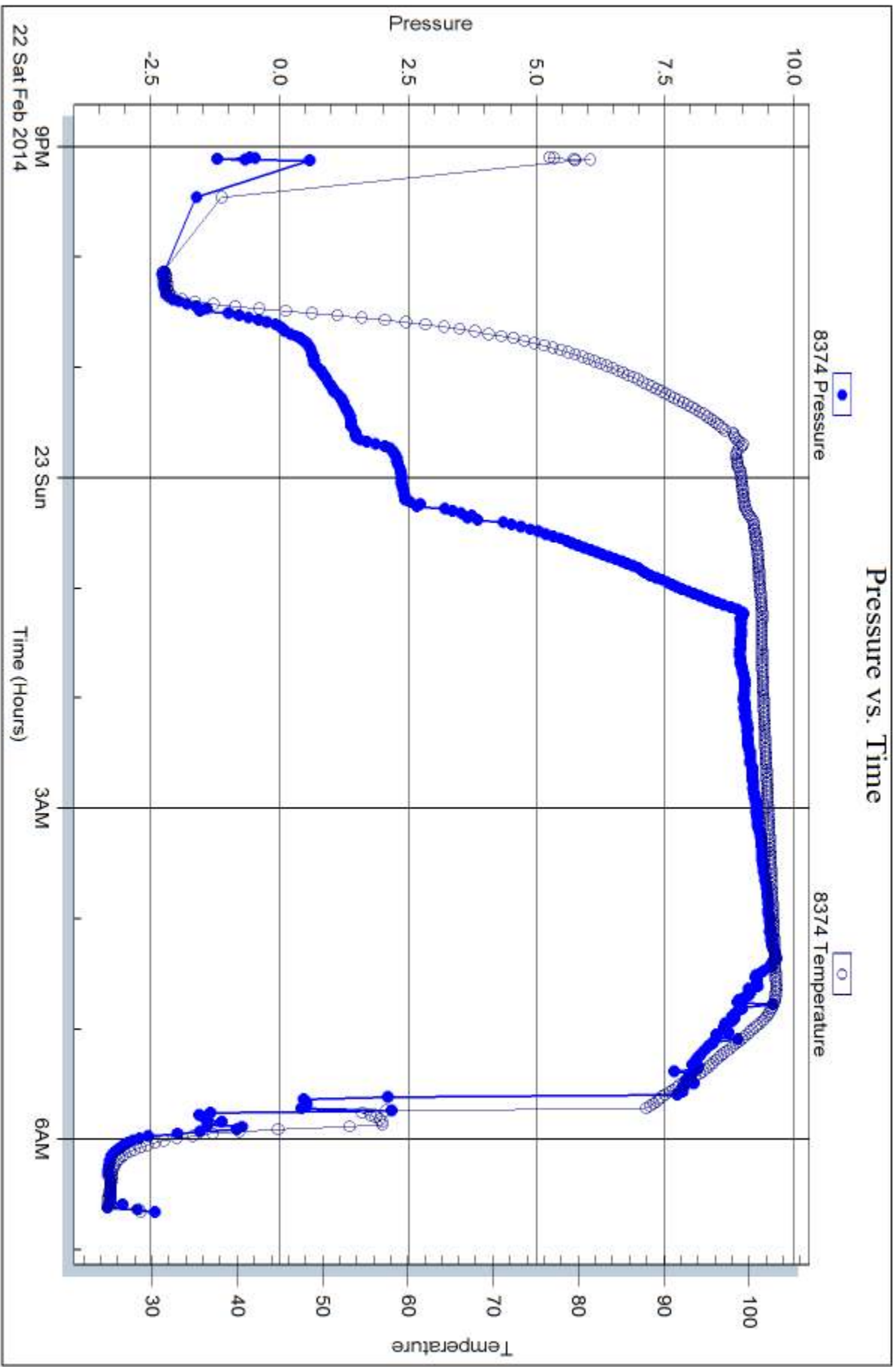
Serial #: 8374

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:

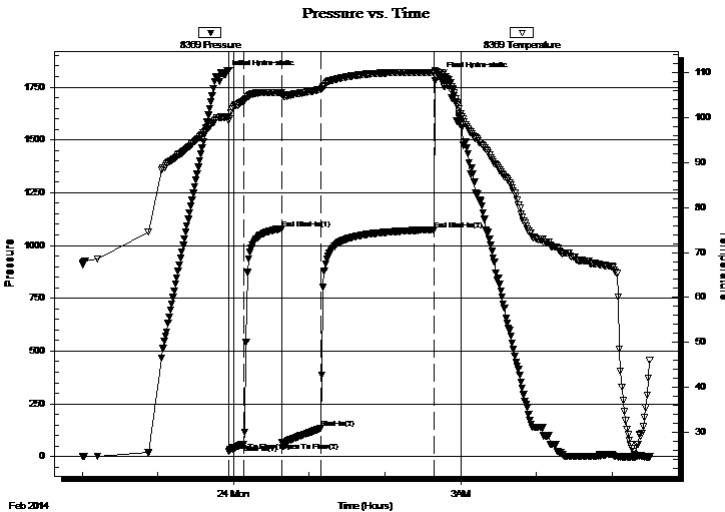
2014.02.23 @ 23:53:52

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

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 #: 8700 Outside

Press@RunDepth: 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: 22:01:04

End Time:

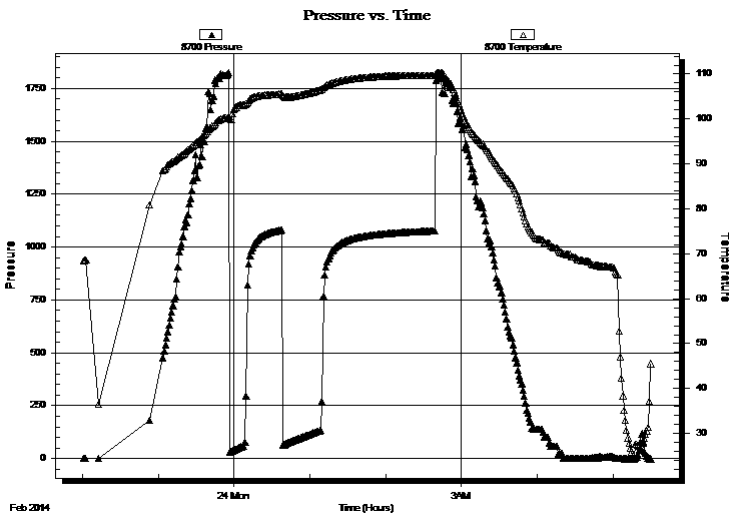
05:29:43

Time On Btm:

Time Off Btm:

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

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

Gas Rates

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

* Recovery from multiple tests



**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

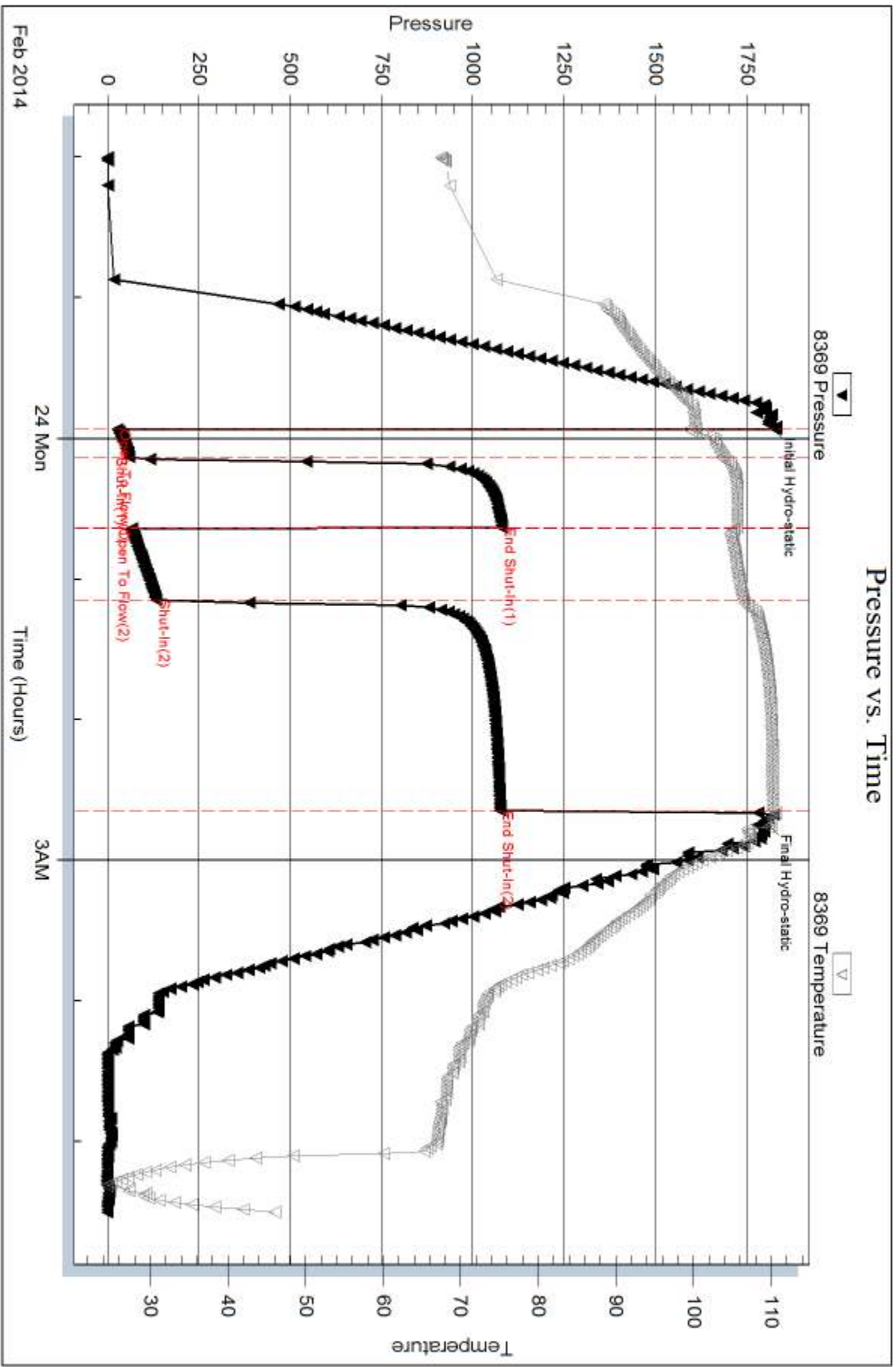
Num Gas Bombs: 0

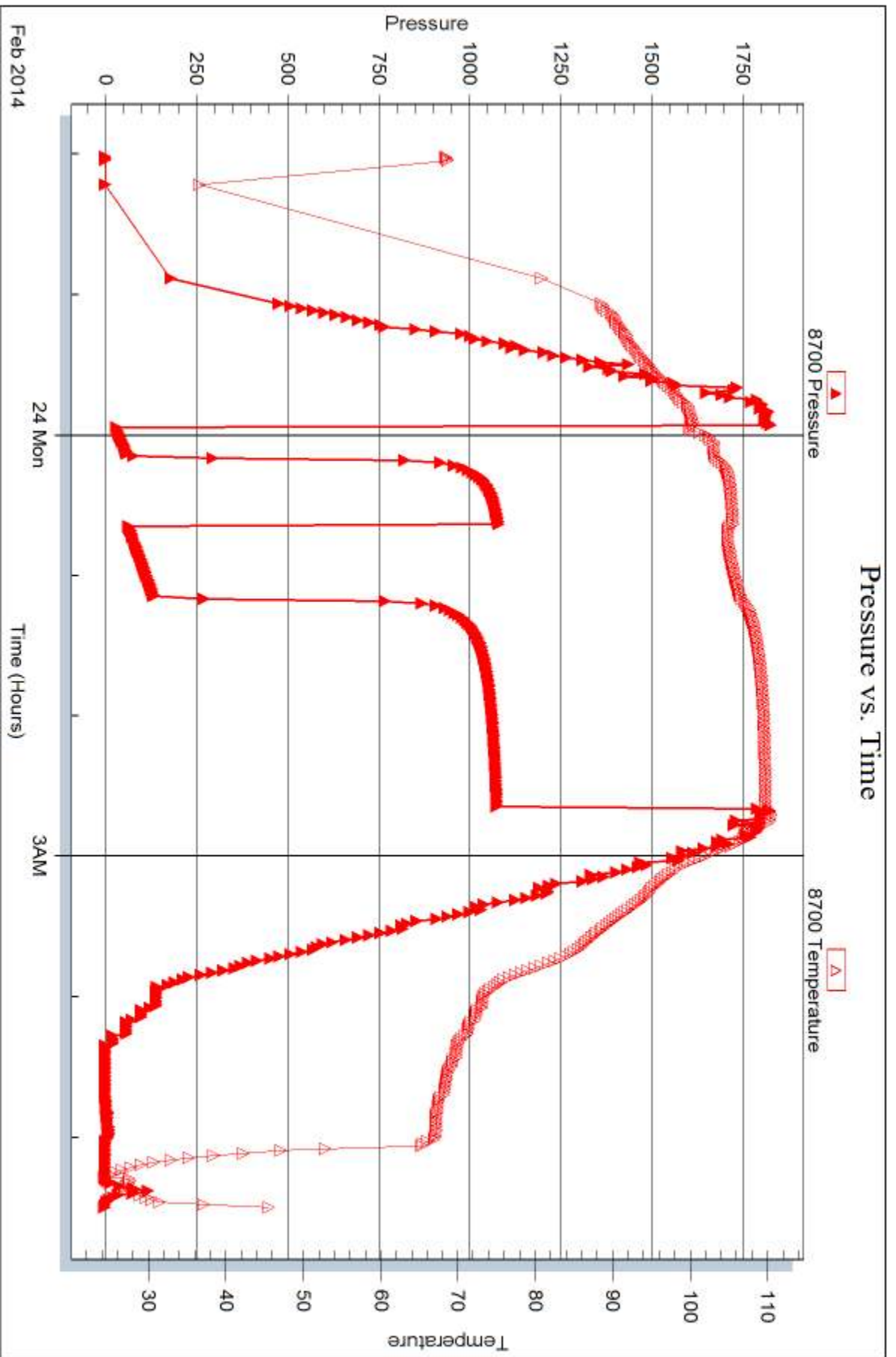
Serial #:

Laboratory Name:

Laboratory Location:

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





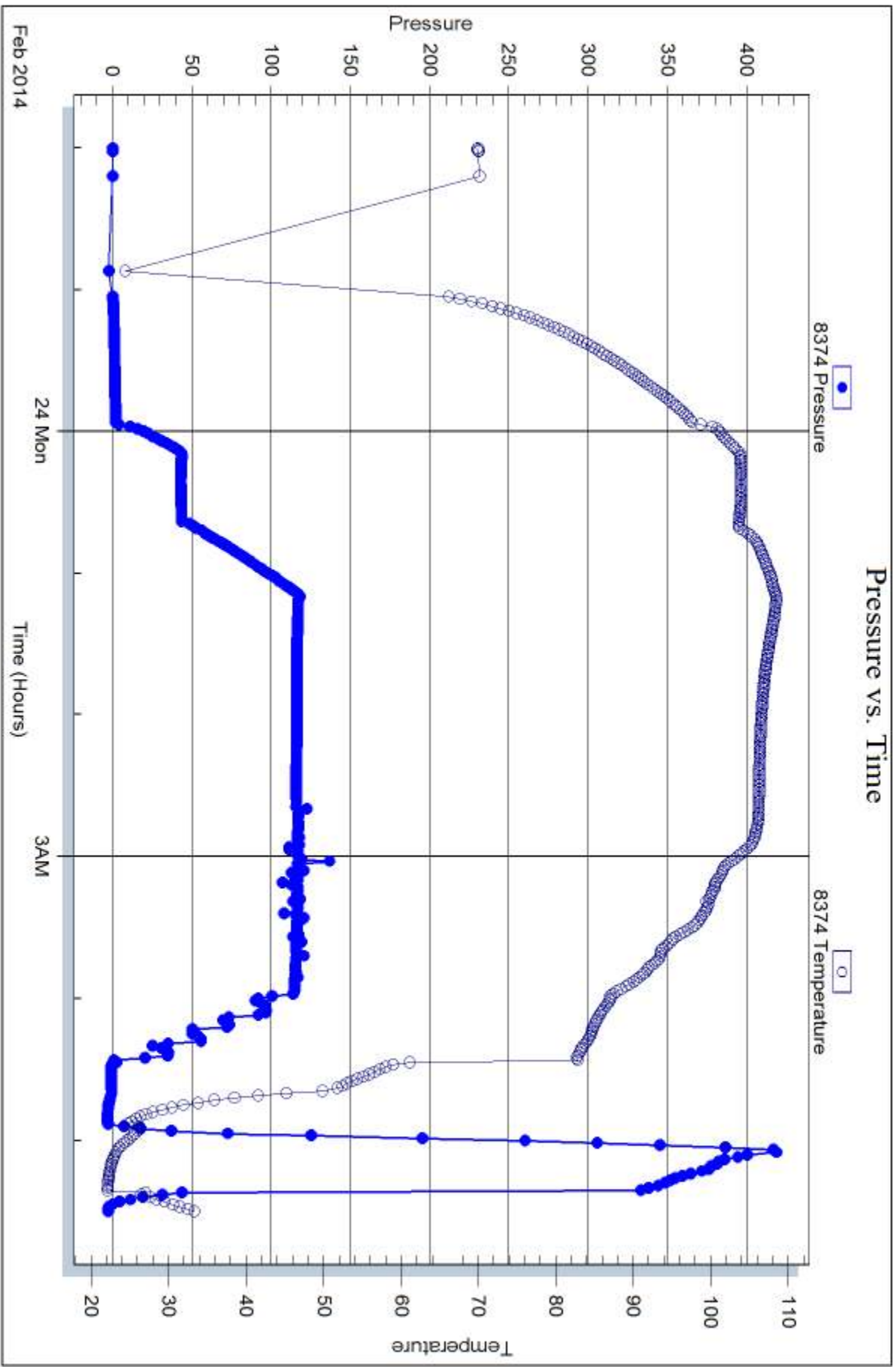
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Fluid

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

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

GENERAL INFORMATION:

Formation: **LKC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:10:00

Time Test Ended: 18:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3755.00 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: psig @ 3759.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.24

End Date:

2014.02.24

Last Calib.:

2014.02.24

Start Time: 14:21:01

End Time:

18:08:41

Time On Btm:

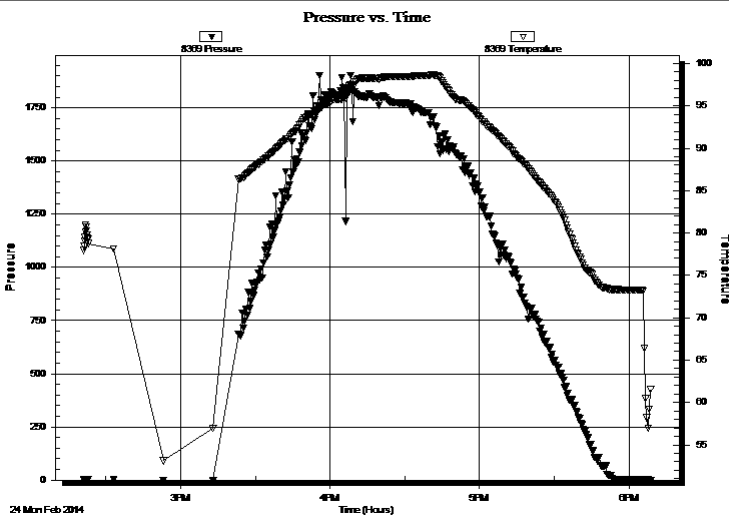
Time Off Btm:

TEST COMMENT: 10-IFP-packer failure , set twice , pulled tool

30-ISIP-

30-FFP-

90-FSIP-



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud	2.10

Gas Rates

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

* Recovery from multiple tests



**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:

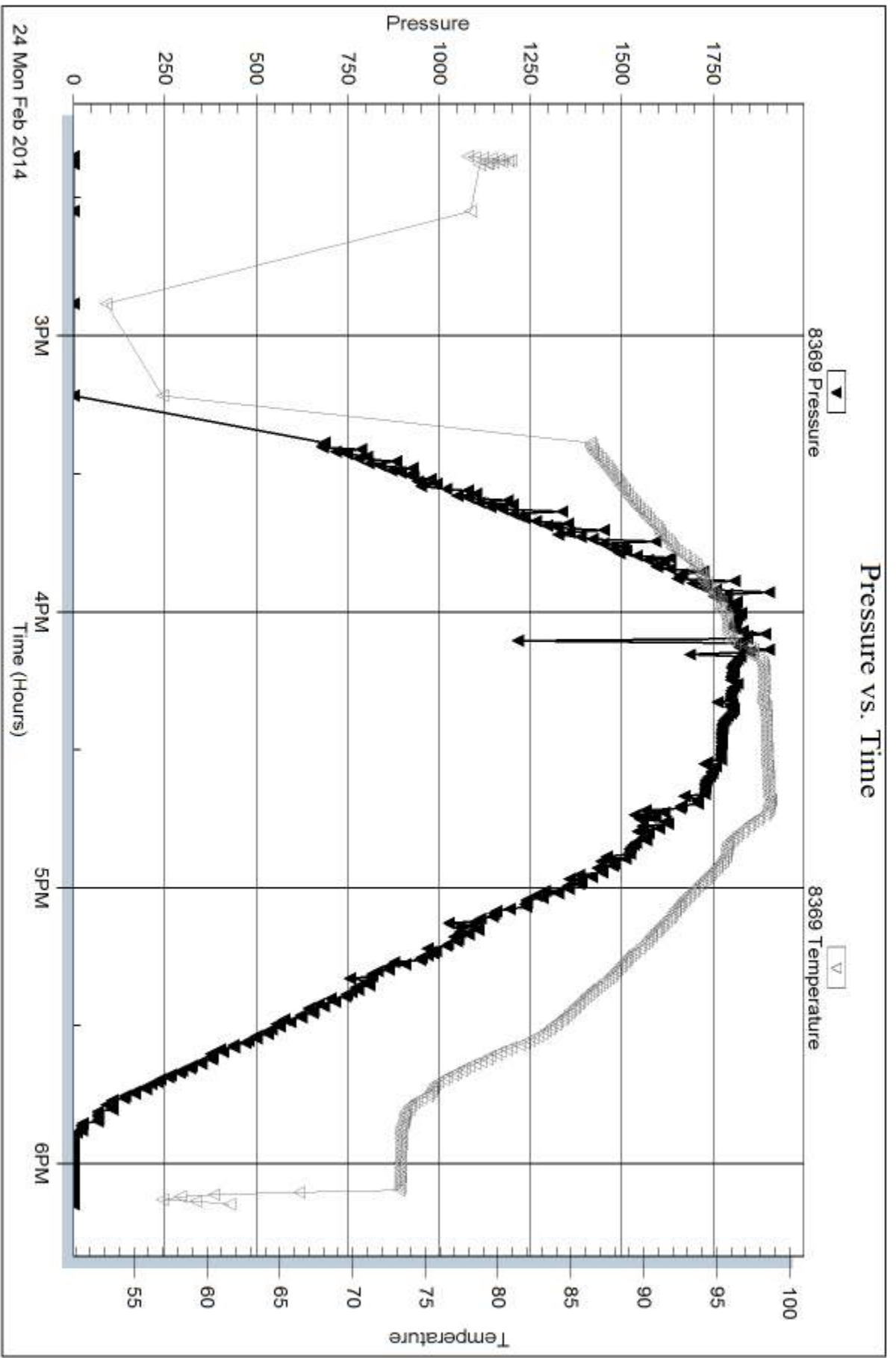
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Inside

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56246

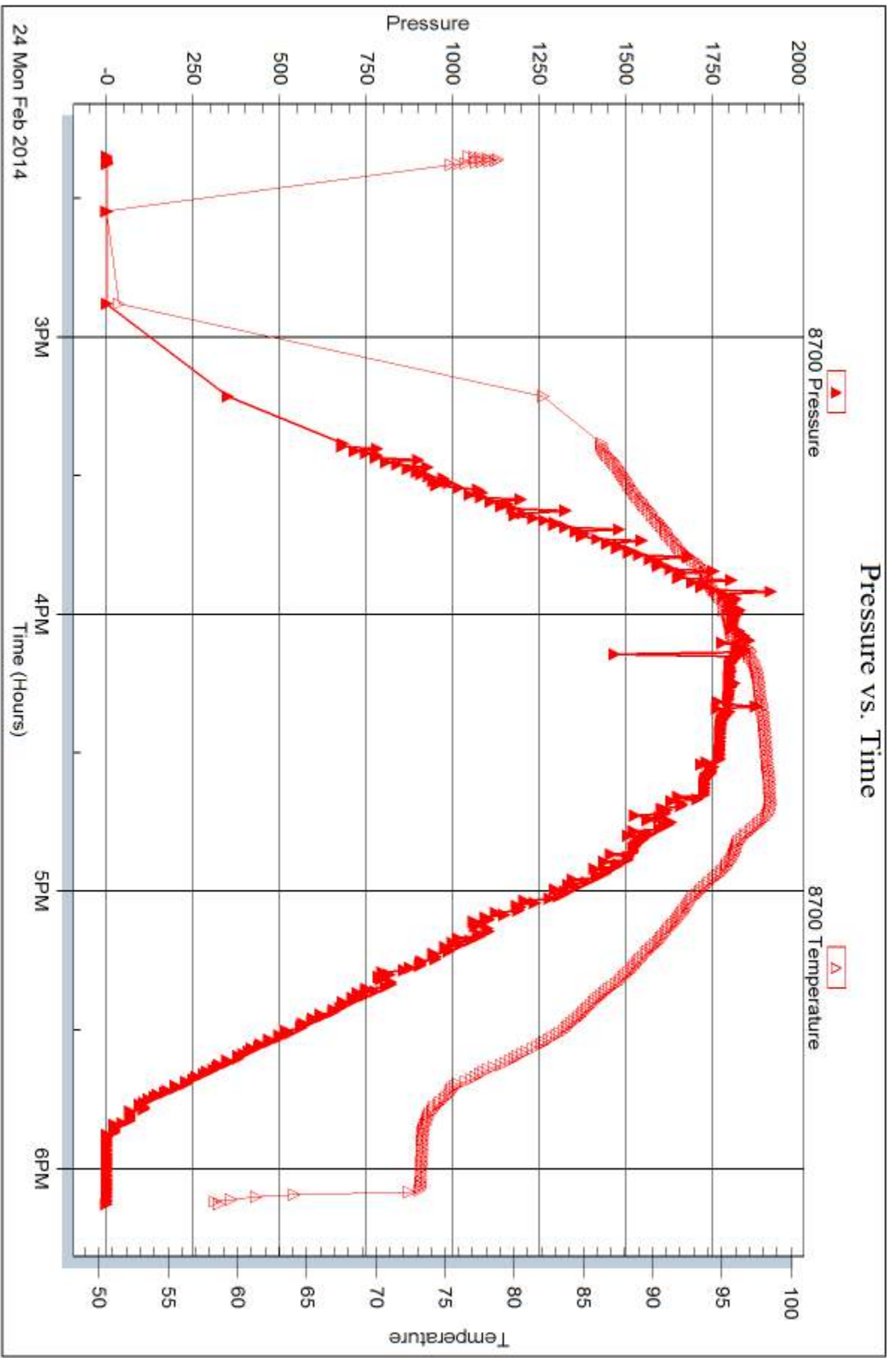
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Serial #: 8700

Outside McElvain Energy Inc

Gustafson #11-6

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 56246

Printed: 2014.02.27 @ 11:24:16

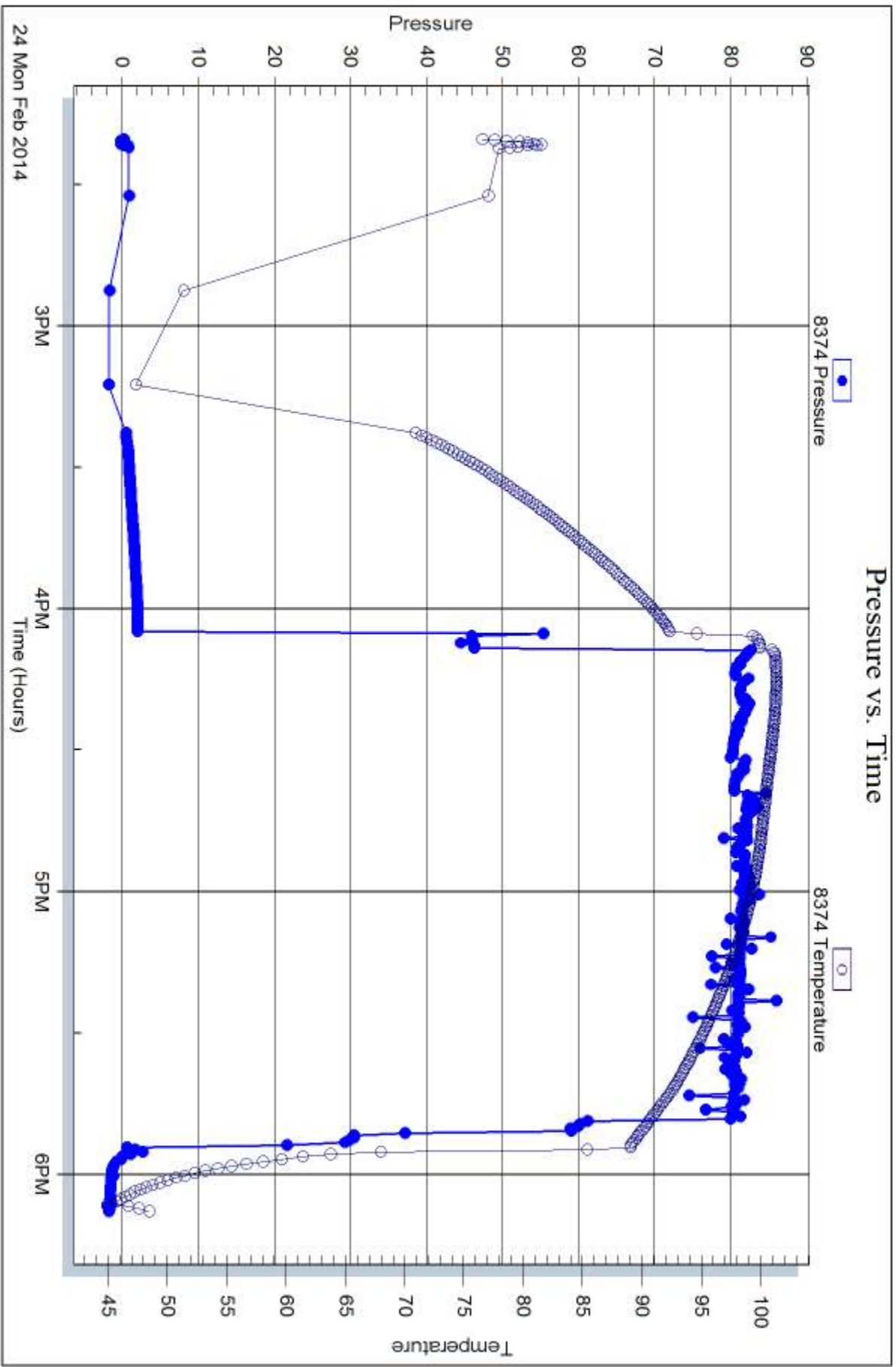
Serial #: 8374

Fluid

McElvain 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



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

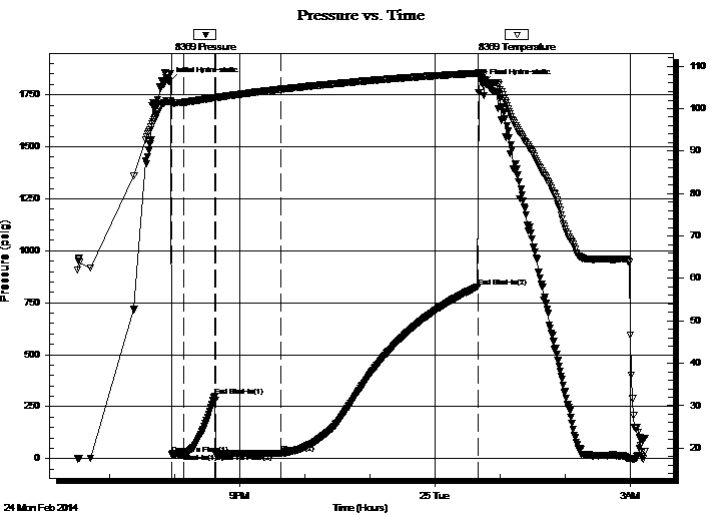
End Time:

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

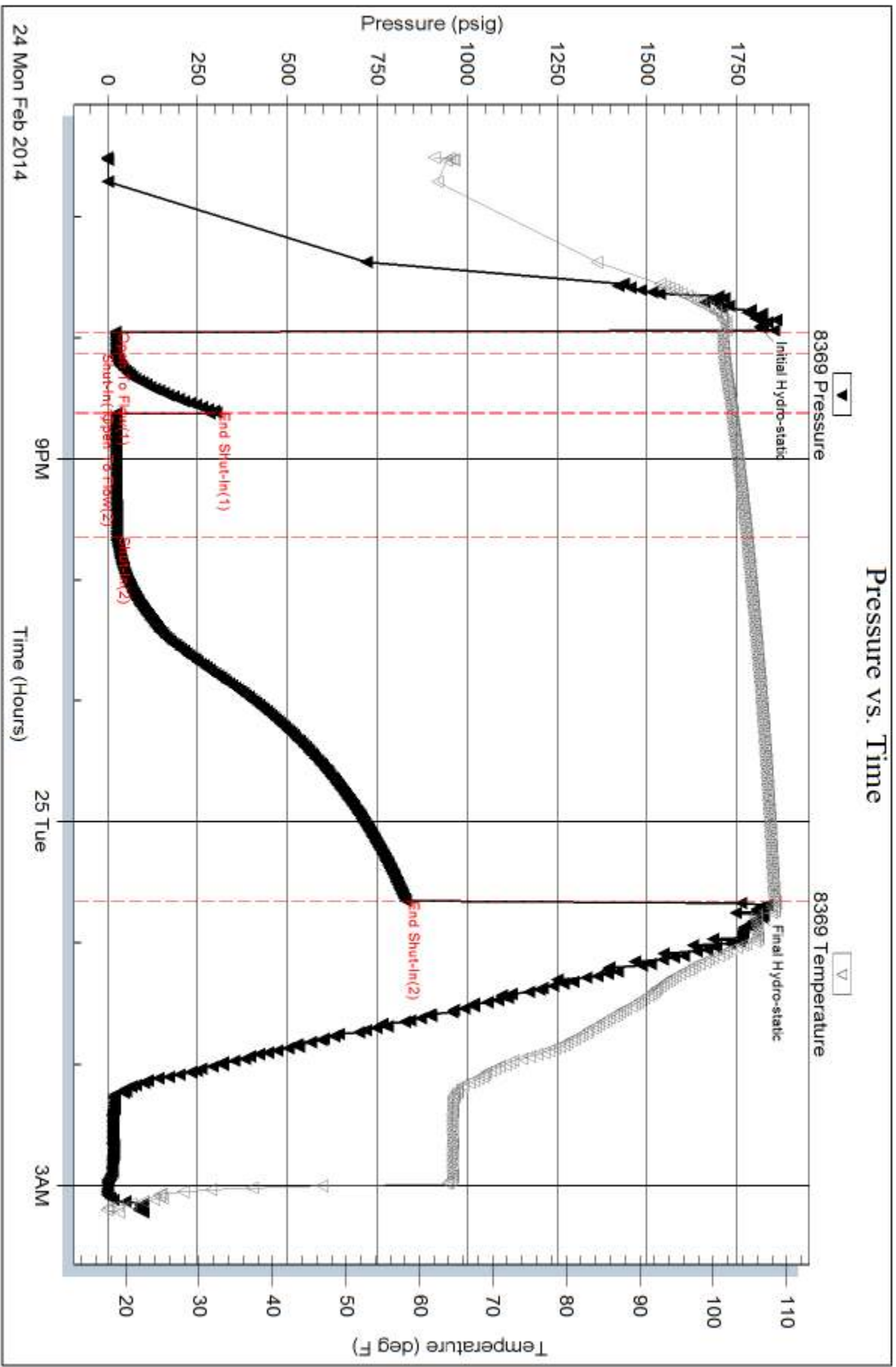
Num Gas Bombs: 0

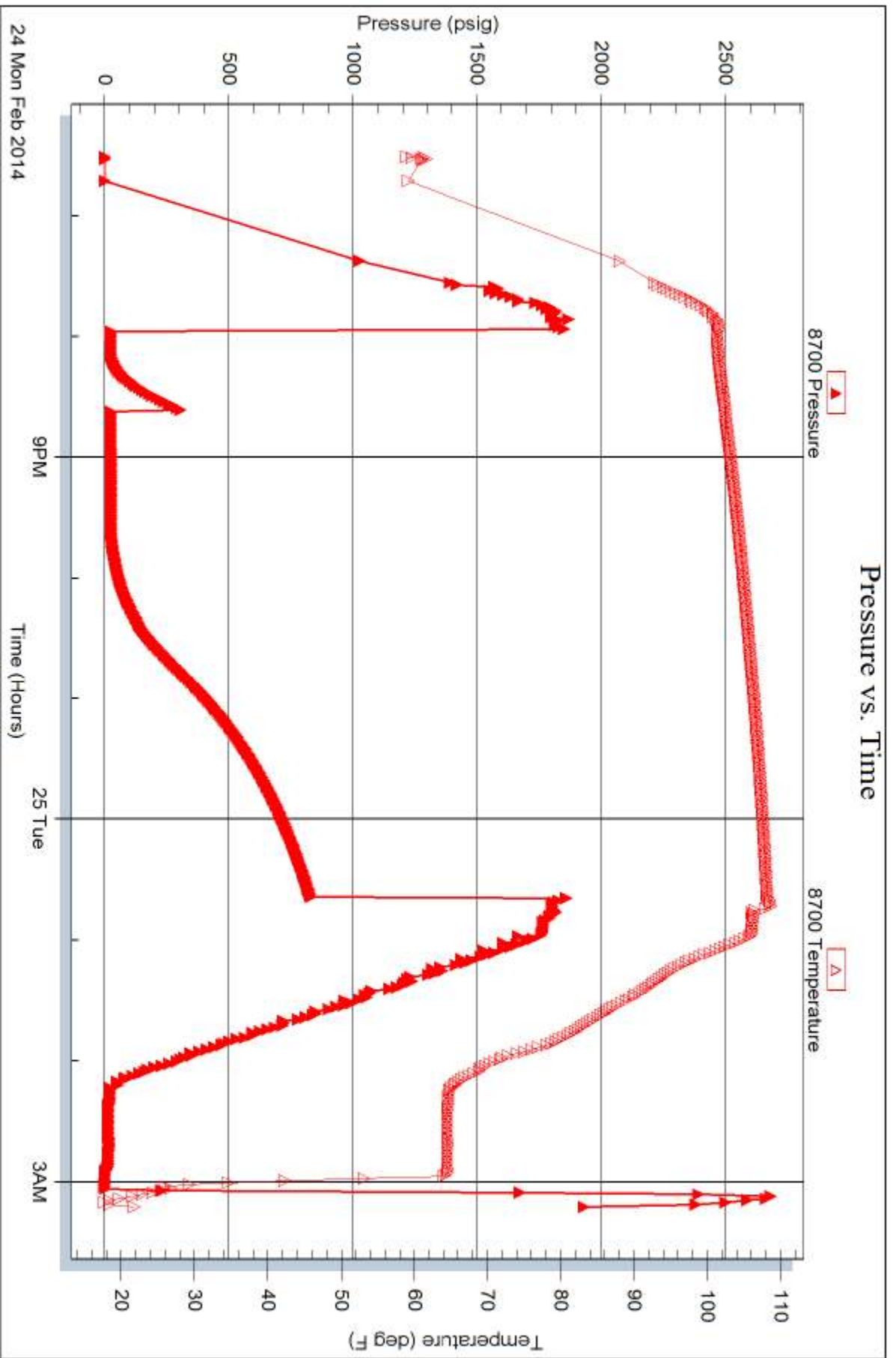
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 40 # 1000MLmud







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

4/10

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

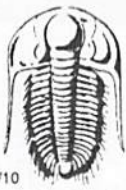
Chlorides 2400 ppm.
 Resistivity 1.6 ohms @ 65 F
 Viscosity 60
 Mud Weight 9.2
 Filtrate 6
 Other 1H

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.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St.
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Mike R

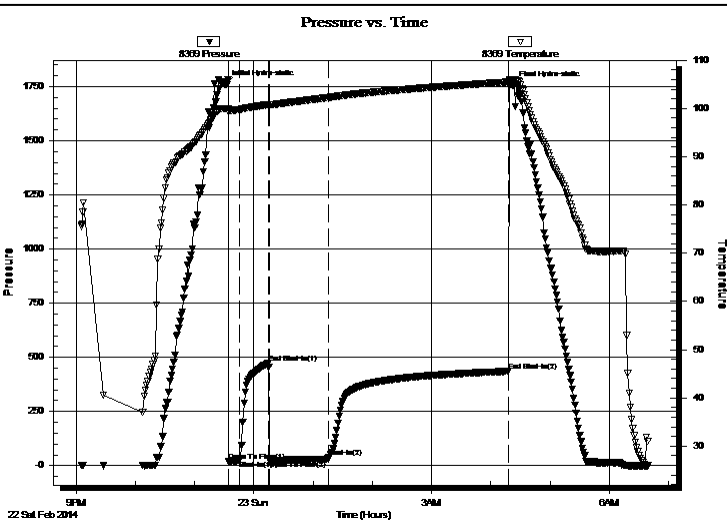
11-10s-22w Graham
Gustafson #11-6
 Job Ticket: 56244 **DST#: 2**
 Test Start: 2014.02.22 @ 21:05:30

GENERAL INFORMATION:

Formation: **LKC C-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:34:25
 Time Test Ended: 06:39:55
 Interval: **3604.00 ft (KB) To 3665.00 ft (KB) (TVD)**
 Total Depth: 3665.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2334.00 ft (KB)
 2324.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8369 Inside
 Press @ Run Depth: 36.66 psig @ 3610.00 ft (KB)
 Start Date: 2014.02.22 End Date: 2014.02.23
 Start Time: 21:05:30 End Time: 06:39:55
 Capacity: 8000.00 psig
 Last Calib.: 2014.02.23
 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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

11-10s-22w Graham

1050 17th St.
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Mike R

Gustafson #11-6

Job Ticket: 56244

DST#: 2

Test Start: 2014.02.22 @ 21:05:30

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 5.38 in³

Resistivity: ohm.m

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SOCM 1%O99%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

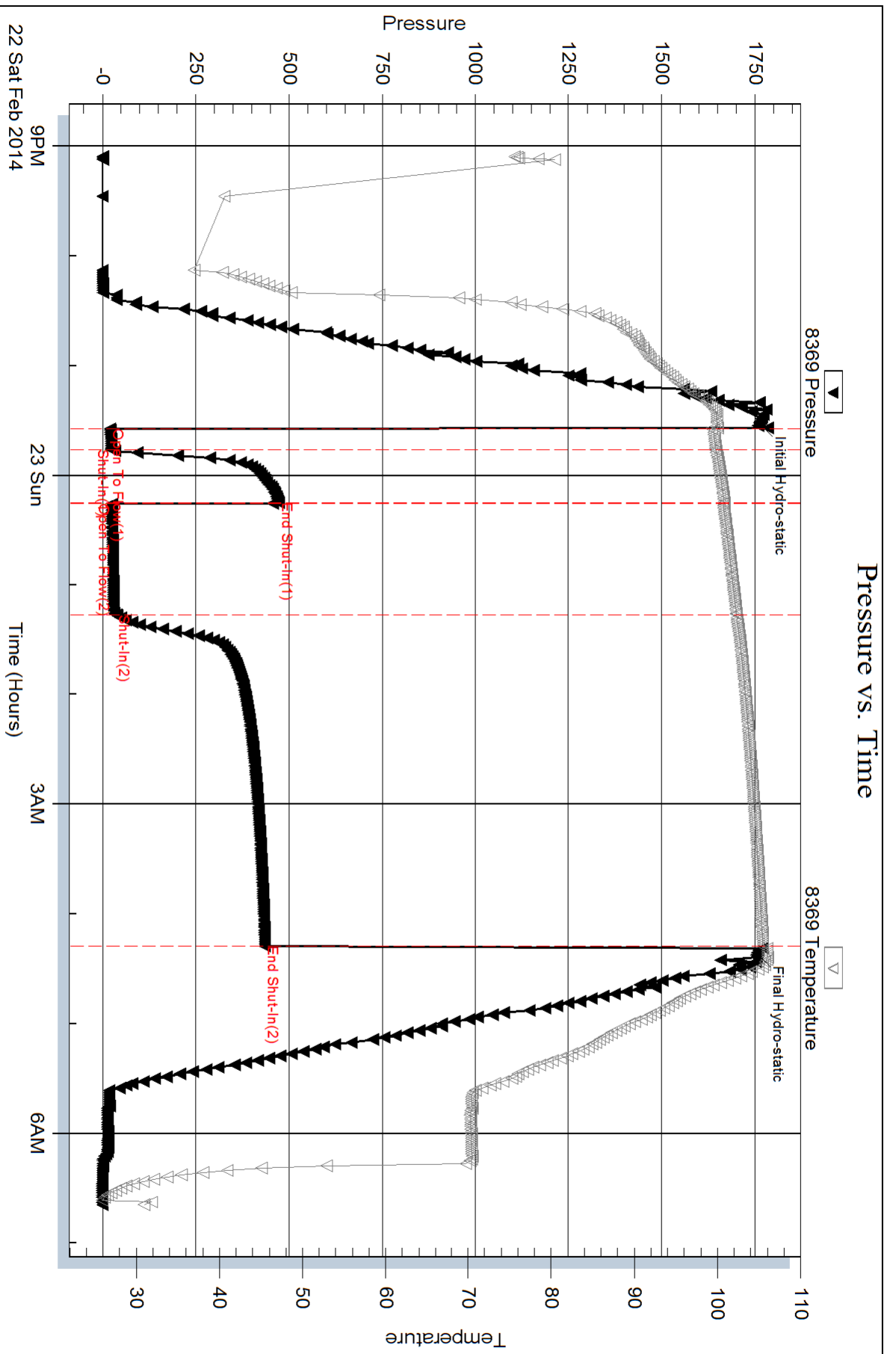
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

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



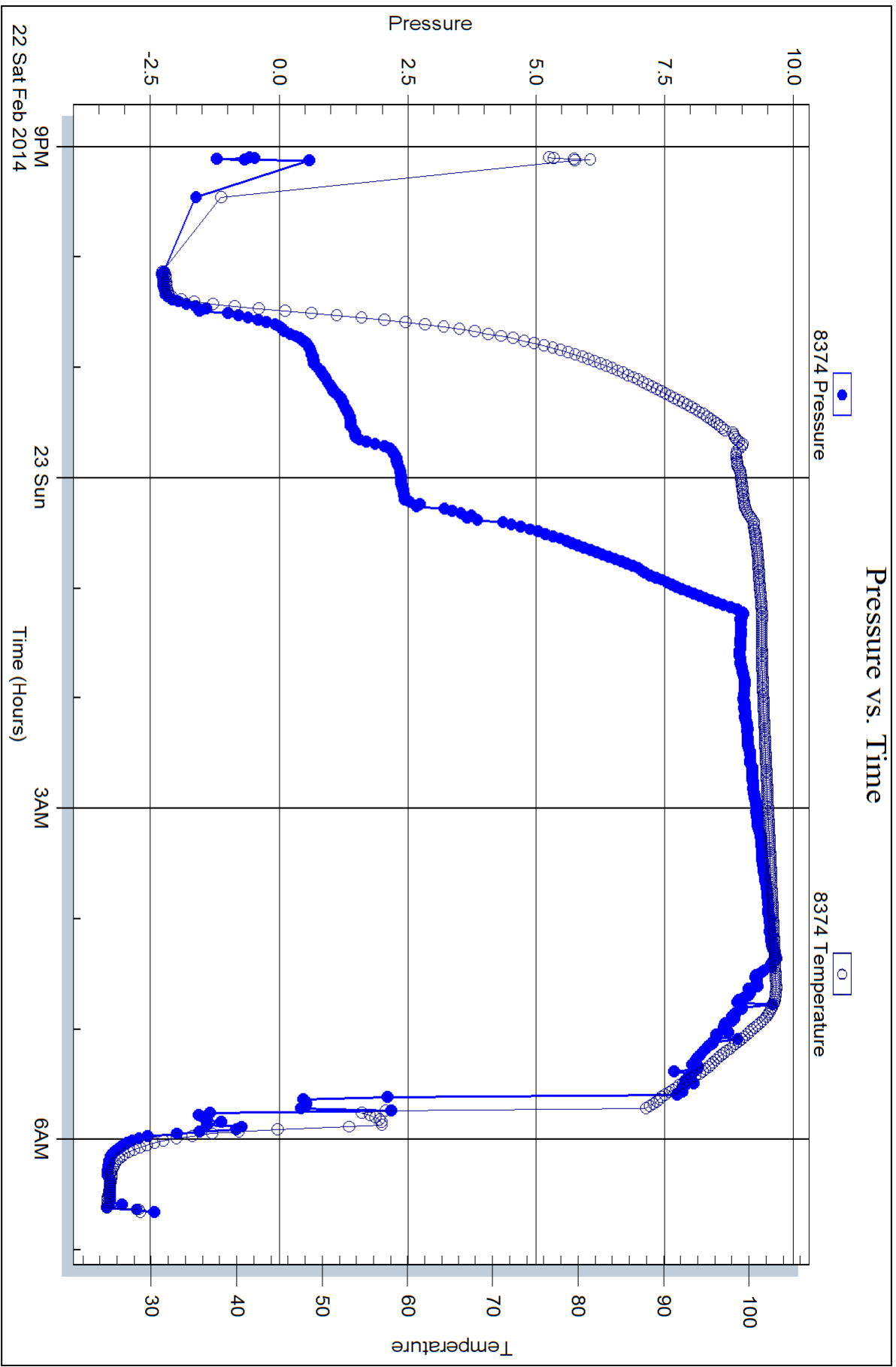
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Fluid

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McElvain Energy Inc
1050 17th St.
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Mike R

11-10s-22w Graham

Gustafson #11-6

Job Ticket: 56245

DST#: 3

Test Start: 2014.02.23 @ 22:00:12

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 23:56:07
 Tester: Ray Schwager
 Time Test Ended: 05:30:21
 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: 7.85 inches
 Hole Condition: Fair
 KB to GR/CF: 10.00 ft

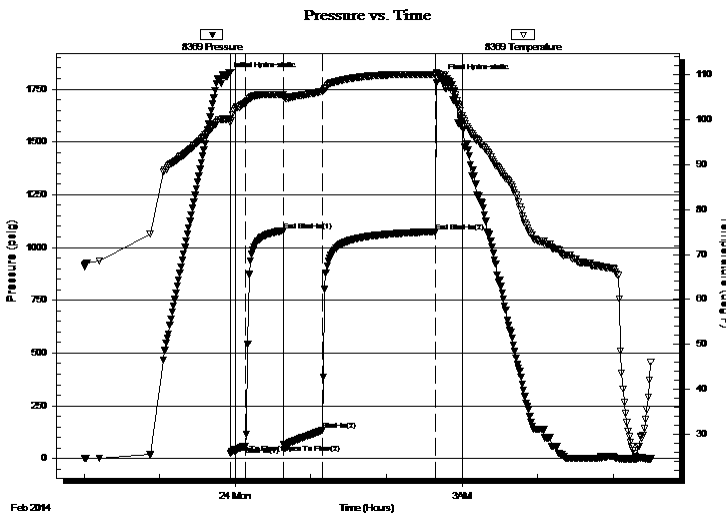
Serial #: 8369

Inside

Press @ Run Depth: 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 3min
 30-ISIP-surface bl bk
 30-FFP-w k to strg in 4min
 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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc
1050 17th St.
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Mike R

11-10s-22w Graham
Gustafson #11-6
Job Ticket: 56245 **DST#: 3**
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: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

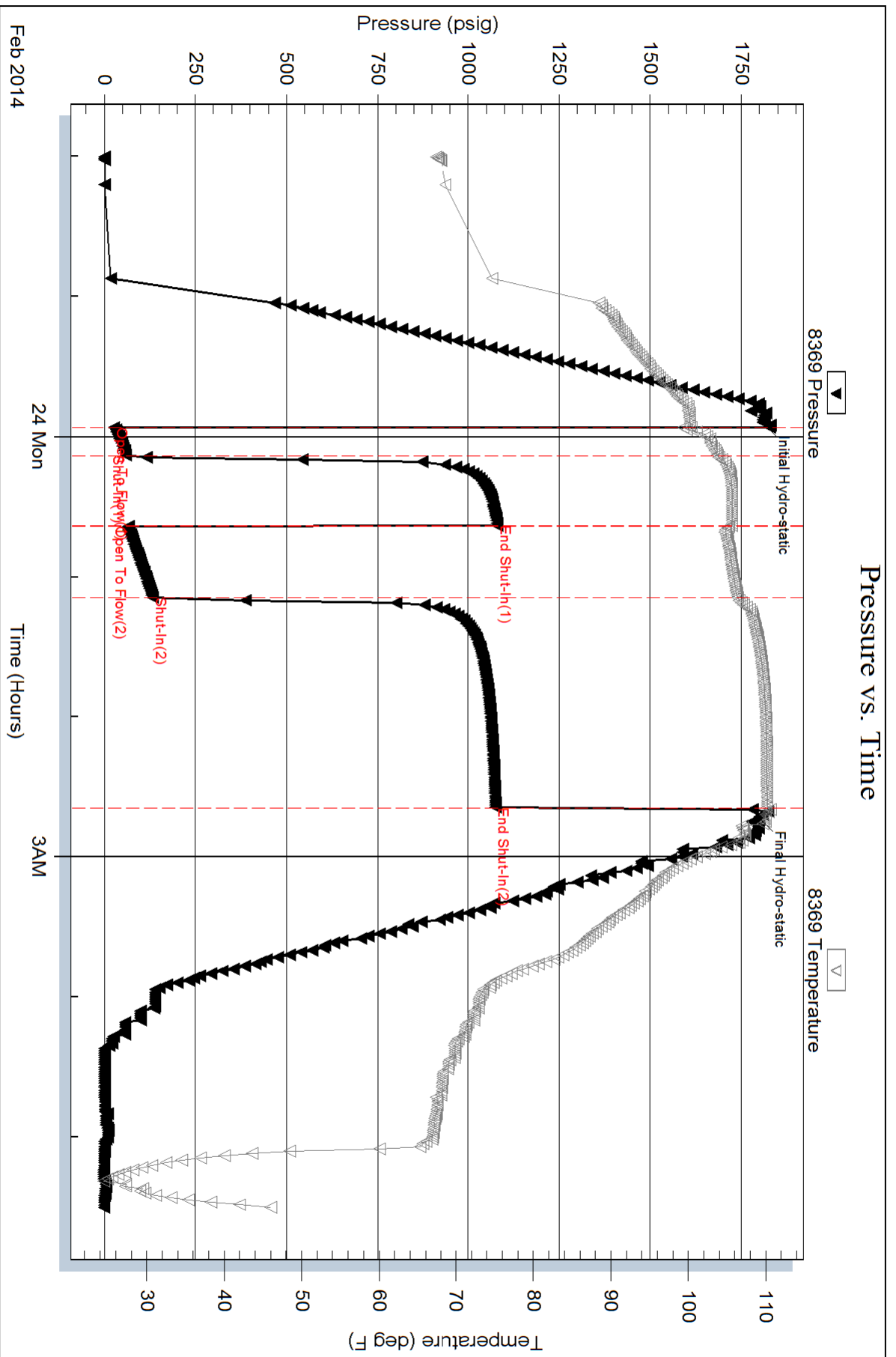
Length ft	Description	Volume bbl
0.00	690'GIP	0.000
270.00	CO	3.787
95.00	MGO 20%G25%M55%O	1.333

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



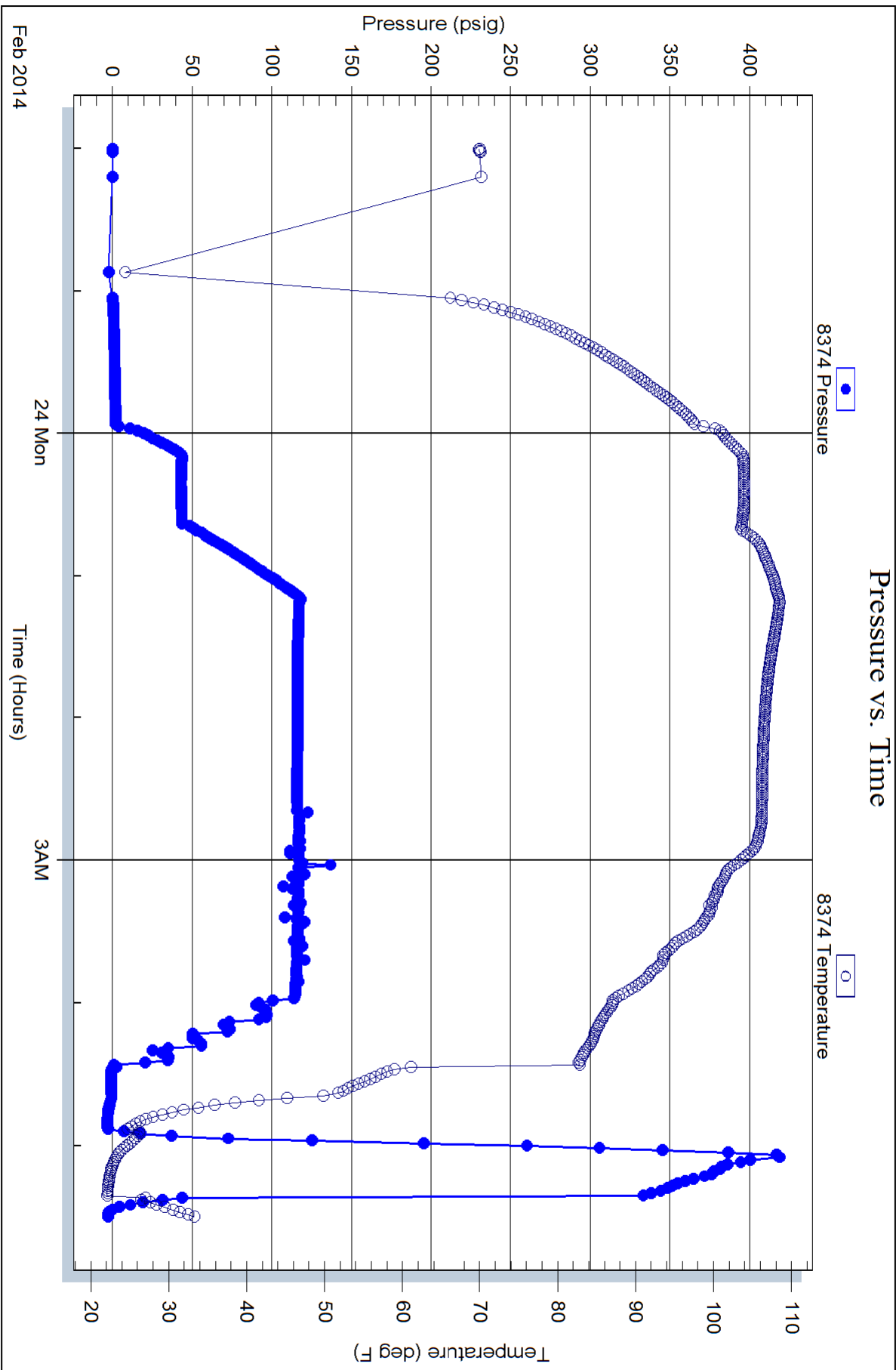
Serial #: 8374

Fluid

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 56245

Printed: 2014.02.24 @ 06:31:57



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St.
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Mike R

11-10s-22w Graham

Gustafson #11-6

Job Ticket: 56247

DST#: 5

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
 Interval: **3750.00 ft (KB) To 3794.00 ft (KB) (TVD)**
 Total Depth: 3794.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2334.00 ft (KB)
 2324.00 ft (CF)
 KB to GR/CF: 10.00 ft

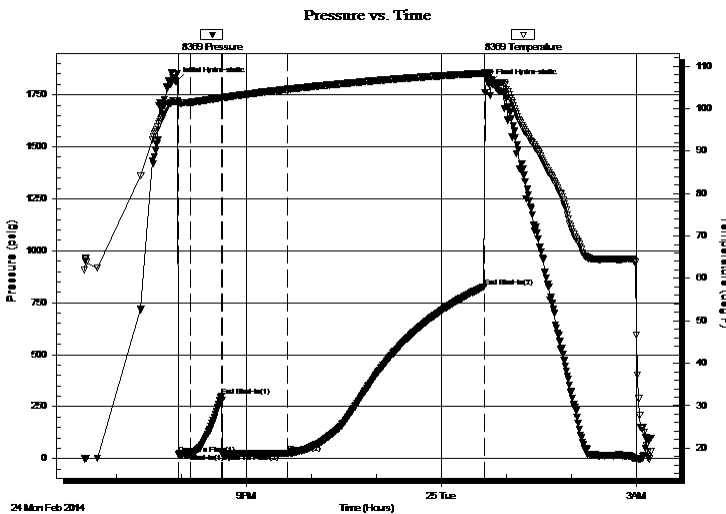
Serial #: 8369

Inside

Press @ Run Depth: 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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc
1050 17th St.
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Mike R

11-10s-22w Graham
Gustafson #11-6
Job Ticket: 56247 **DST#: 5**
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: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

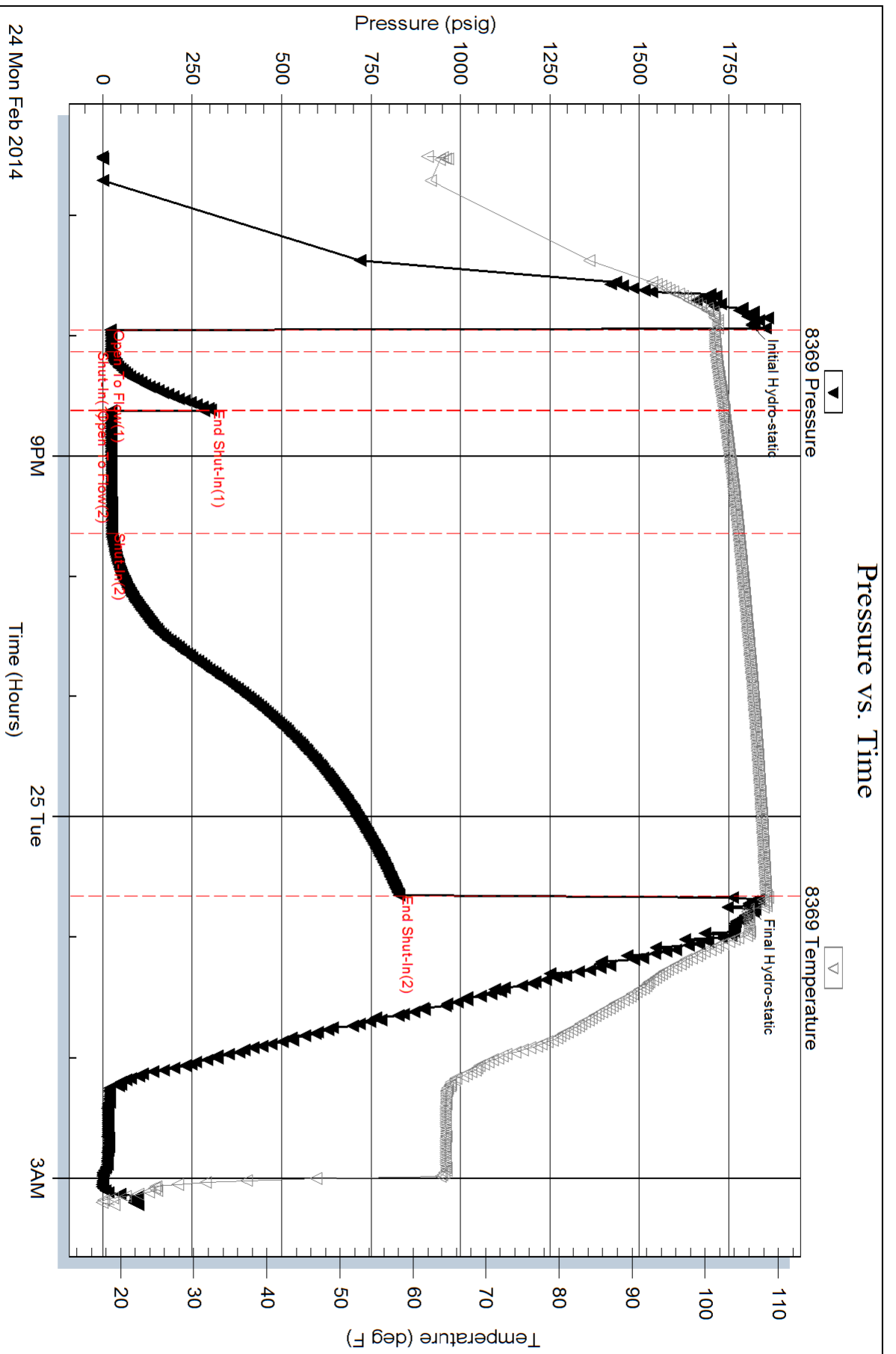
Length ft	Description	Volume bbl
5.00	Mud	0.070

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



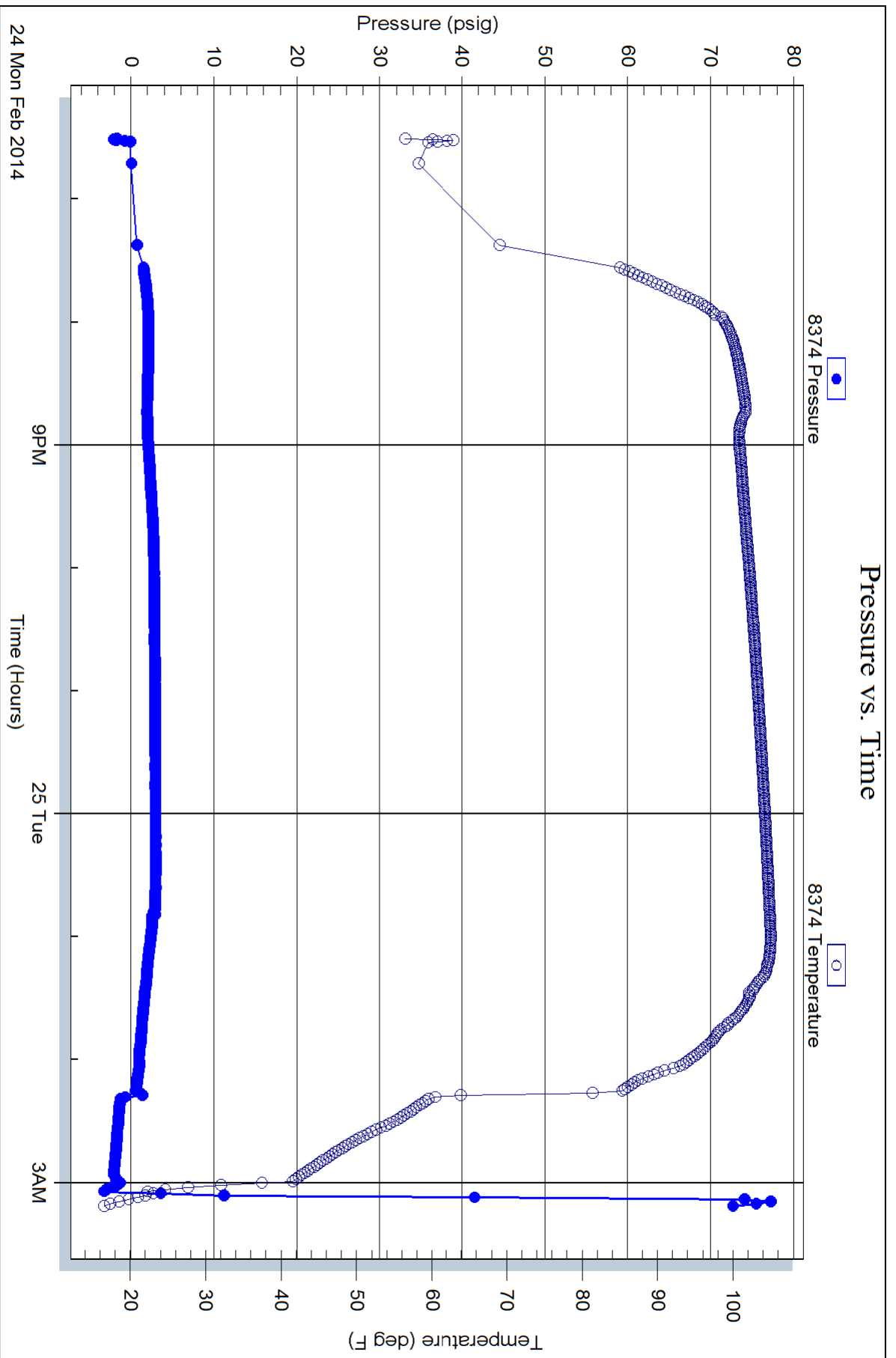
Serial #: 8374

Fluid

McElvain Energy Inc

Gustafson #11-6

DST Test Number: 5





PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 141492
Invoice Date: Feb 18, 2014
Page: 1

Bill To:
McElvain Energy, Inc 1050 17th St., Suite 2500 Denver, CO 80265-2080

RECEIVED
MAR 01 2014
McElvain Energy, Inc.
Denver Office

Customer ID	Field Ticket #	Payment Terms	
McElv	61467	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Oakley	Feb 18, 2014	3/20/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Gustafson #11-6		
190.00	CEMENT MATERIALS	Class A Common	17.90	3,401.00
7.00	CEMENT MATERIALS	Chloride	64.00	448.00
47.00	CEMENT MATERIALS	Flo Seal	2.97	139.59
203.20	CEMENT SERVICE	Cubic Feet Charge	2.48	503.94
410.85	CEMENT SERVICE	Ton Mileage Charge	2.60	1,068.21
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		
1.00	OPERATOR ASSISTANT	Cory Brown		

CODE: 4225

*Surface
Cust Job*

MAR 05 2014

APPROVED: JRR

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$

ONLY IF PAID ON OR BEFORE

Subtotal	7,892.49
Sales Tax	295.16
Total Invoice Amount	8,187.65
Payment/Credit Applied	
TOTAL	8,187.65

ALLIED OIL & GAS SERVICES, LLC 061467

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT Oakley KS

DATE <u>2-18-14</u>	SEC. <u>11</u>	TWP. <u>10</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30am</u>	JOB FINISH <u>1:00am</u>
LEASE <u>Custafson</u>	WELL # <u>11-6</u>	LOCATION <u>Ogallah 11N, W to 310,</u>			COUNTY <u>Crawford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		N to F, 2 1/2 E, S into					

CONTRACTOR Val Co
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 (29") I.D. 310'
 CASING SIZE 8 5/8 DEPTH 308.56'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 18.70 bbl water
 EQUIPMENT _____

OWNER Same
 CEMENT AMOUNT ORDERED 190 sks Com
3% CC 1/4" Flo-seal

COMMON	<u>190 sks @ 17.90</u>	<u>3401.00</u>
POZMIX	_____ @ _____	_____
GEL	_____ @ _____	_____
CHLORIDE	<u>7 sks @ 64.00</u>	<u>448.00</u>
ASC	_____ @ _____	_____
Flo-seal	<u>47 # @ 2.97</u>	<u>139.59</u>
HANDLING	<u>203.20 ft³ @ 2.48</u>	<u>503.94</u>
MILEAGE	<u>9.13 hours @ 45 mi/hr @ 2.60</u>	<u>1068.21</u>
TOTAL		<u>5,560.74</u>

PUMP TRUCK # 431 CEMENTER Paul Beaver
 BULK TRUCK # 818 HELPER Brandon Wilkinson
 DRIVER Cory Brown
 DRIVER _____

REMARKS:
mix 190 sks
Displace w/ water
Cement did circulate
Thank you.

CHARGE TO: McClvain Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	_____	_____
PUMP TRUCK CHARGE	<u>1,512.25</u>	_____
EXTRA FOOTAGE	_____ @ _____	_____
MILEAGE MILV	<u>45 @ 7.70</u>	<u>346.50</u>
MANIFOLD	<u>Swedge @ 275.00</u>	_____
MILV	<u>45 @ 4.40</u>	<u>198.00</u>
TOTAL		<u>2,331.75</u>

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		_____

BID

SALES TAX (If Any) _____
 TOTAL CHARGES 7,892.49
 DISCOUNT 2,209.89 IF PAID IN 30 DAYS
5,682.59 Net.

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rodney Gonzalez

SIGNATURE Rodney Gonzalez



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 141611
Invoice Date: Feb 27, 2014
Page: 1

RECEIVED

MAR 10 2014

McElvain Energy, inc.
Denver Office

Bill To:
McElvain Energy, Inc 1050 17th St., Suite 2500 Denver, CO 80265-2080

Customer ID	Field Ticket #	Payment Terms	
McElv	62001	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Oakley	Feb 27, 2014	3/29/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Gustafson #11-6		
3.00	CEMENT MATERIALS	Gel	23.40	70.20
155.00	CEMENT MATERIALS	ASC	20.90	3,239.50
360.00	CEMENT MATERIALS	AMD	25.90	9,324.00
775.00	CEMENT MATERIALS	Gilsonite	0.98	759.50
16.00	CEMENT MATERIALS	Salt -- No Charge		
44.00	CEMENT MATERIALS	FL-160	18.90	831.60
21.00	CEMENT MATERIALS	Powdered Defoamer	9.80	205.80
90.00	CEMENT MATERIALS	Flo Seal	2.97	267.30
12.00	CEMENT MATERIALS	Super Flush	58.70	704.40
618.97	CEMENT SERVICE	Cubic Feet Charge	2.48	1,535.05
1,230.75	CEMENT SERVICE	Ton Mileage Charge	2.60	3,199.95
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug Assembly	325.00	325.00
7.00	EQUIPMENT SALES	5-1/2 Turbolizer	95.00	665.00

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 7,316.06

ONLY IF PAID ON OR BEFORE
Mar 24, 2014

CODE: 5225

MAR 11 2014

APPROVED: JRP

⇒ Note discount



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 141611
Invoice Date: Feb 27, 2014
Page: 2

Bill To:
McElvain Energy, Inc 1050 17th St., Suite 2500 Denver, CO 80265-2080

Customer ID	Field Ticket #	Payment Terms	
McElv	62001	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Oakley	Feb 27, 2014	3/29/14

Quantity	Item	Description	Unit Price	Amount
3.00	EQUIPMENT SALES	5-12 Centralizer	57.00	171.00
3.00	EQUIPMENT SALES	5-1/2 Basket	395.00	1,185.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 7,316.06

ONLY IF PAID ON OR BEFORE
Mar 24, 2014

Subtotal	34,354.80
Sales Tax	1,748.49
Total Invoice Amount	36,103.29
Payment/Credit Applied	
TOTAL	36,103.29

ALLIED OIL & GAS SERVICES, LLC 062001

Federal Tax I.D. # 20-8651476

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley K.S.

DATE <u>2-27-14</u>	SEC. <u>11</u>	TWP. <u>10</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>10:50</u> <u>7:30 a.m. p.m.</u>	JOB FINISH <u>1:30</u> <u>8:30 a.m. p.m.</u>
LEASE <u>Gustafson</u>	WELL# <u>11-6</u>	LOCATION <u>Ogallah 11 N. W to 310, N to E,</u>				COUNTY <u>Graham</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)		<u>2 1/2 E, Sinto</u>					

CONTRACTOR <u>Val 6</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>406.5'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4045.48'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL DN <u>Tool</u>	DEPTH <u>1932.85'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>19.12'</u>
CEMENT LEFT IN CSG. <u>19.12'</u>	
PERFS.	
DISPLACEMENT <u>Bot. Sinto under 45.83 mud Top 4661 water</u>	

PUMP TRUCK CEMENTER <u>Paul Beaver</u>
<u>120</u> HELPER <u>Tyler Flipse</u>
BULK TRUCK
<u>600</u> DRIVER <u>Brandon Wilkinson</u>
BULK TRUCK
<u>373</u> DRIVER <u>Alex (Tw)</u>

CEMENT		
AMOUNT ORDERED <u>155 stks ASC 10% salt,</u>		
<u>2% gel, 5# Gilsomite, 3% FL-160, 14% Debeamer</u>		
<u>360 stks AMD, 1/4# Flo-seal</u>		
COMMON	@	
POZMIX	@	
GEL	<u>3 stks @ 23.40</u>	<u>70.20</u>
CHLORIDE	@	
ASC	<u>155 stks @ 20.90</u>	<u>3239.50</u>
AMD	<u>360 stks @ 25.90</u>	<u>9324.00</u>
Gilsomite	<u>775 # @ .98</u>	<u>759.50</u>
Salt	<u>16 stks @ 26.35</u>	<u>N/C</u>
FL-160	<u>44 # @ 18.90</u>	<u>831.60</u>
P Debeamer	<u>21 # @ 9.80</u>	<u>205.80</u>
Flo-seal	<u>90 # @ 2.97</u>	<u>267.30</u>
Super-flosh	<u>1261 @ 58.70</u>	<u>704.40</u>
HANDLING <u>618.97 ft²</u>	@ <u>2.46</u>	<u>1535.05</u>
MILEAGE <u>27.35 tons x 45 mi x 2.60</u>		<u>3199.95</u>
		TOTAL <u>20,131.30</u>

REMARKS:

Run Pipe / Float Equip, pump ball through @ 600 #.
 mix 12 bbl super-flosh, mix 10 stks AMD, mix 155 stks
 ASC, wash up into pit, release plug, displace w/ water + mud,
 plug did land @ 1100 # w/ 190 # lift, open tool @ 900 #
 Circ 4 hrs, mix 15 stks in Mth, mix 30 stks in R.H
 mix 230 stks down casing, wash up into pit,
 release plug, displace w/ water plug did land
 @ 1500 # w/ 500 # lift press cement did circ.
 Thank You!

SERVICE

DEPTH OF JOB <u>Bottom 4665' Top 1932.85'</u>		
PUMP TRUCK CHARGE <u>Bottom stage</u>	<u>2765.75</u>	
EXTRA FOOTAGE <u>Top stage @</u>	<u>2406.25</u>	
MILEAGE <u>mthv 45 @ 7.70</u>	<u>346.50</u>	
MANIFOLD <u>Head</u>	@ <u>275.00</u>	
<u>MLV 45 @ 4.40</u>	<u>198.00</u>	
		TOTAL <u>5,991.50</u>

CHARGE TO: McElvain Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>Weather Ford (S-12)</u>		
<u>DV TOOL</u>		<u>5,335.00</u>
<u>AFV Float shoe</u>	@	<u>545.00</u>
<u>Latchdown plug Assy</u>	@	<u>325.00</u>
<u>Turbolizers</u>	<u>7 @ 95.00</u>	<u>665.00</u>
<u>Centralizers</u>	<u>3 @ 57.00</u>	<u>171.00</u>
<u>Baskets</u>	<u>3 @ 325.00</u>	<u>1185.00</u>
		TOTAL <u>8,226.00</u>

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist owner or
 contractor to do work as is listed. The above work was
 done to satisfaction and supervision of owner agent or
 contractor. I have read and understand the "GENERAL
 TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____
 TOTAL CHARGES 34,354.80
 DISCOUNT 7,36.06 IF PAID IN 30 DAYS

PRINTED NAME Rodney Gonzales
 SIGNATURE Rodney Gonzales

Bid. 27038.73 Net.



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 141724
Invoice Date: Mar 7, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

RECEIVED

MAR 17 2014

McElvain Energy, Inc.
Denver Office

Bill To:
McElvain Energy, Inc 1050 17th St., Suite 2500 Denver, CO 80265-2080

Customer ID	Field Ticket #	Payment Terms	
McElv	54204	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-09	Russell	Mar 7, 2014	4/6/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Gustafson #11-6		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
10.00	CEMENT MATERIALS	FL-10	18.25	182.50
200.00	CEMENT SERVICE	Cubic Feet Charge	2.48	496.00
235.00	CEMENT SERVICE	Ton Mileage Charge	2.60	611.00
1.00	CEMENT SERVICE	Cement Retainer	2,483.59	2,483.59
90.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	693.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Glenn Ginther		
1.00	EQUIPMENT OPERATOR	Kevin Rupp		
1.00	OPERATOR ASSISTANT	Jesse Cozart		

Code: 5005
MAR 20 2014
Approved: JMM
Squeeze ARB 3974' - 80' perf

Subtotal	8,071.59
Sales Tax	253.60
Total Invoice Amount	8,325.19
Payment/Credit Applied	
TOTAL	8,325.19

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,210.73

ONLY IF PAID ON OR BEFORE
Apr 1, 2014

NOTE
DISCOUNT;

<1210.73>
7114.46

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

July 16, 2014

Jim McKinney
McElvain Energy, Inc.
1050 17TH ST STE 2500
DENVER, CO 80265-2080

Re: ACO-1
API 15-065-23996-00-00
Gustafson 11-6
NW/4 Sec.11-10S-22W
Graham County, Kansas

Dear Jim McKinney:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 02/17/2014 and the ACO-1 was received on July 11, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department