



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc
1050 17th STE 2500 Denver Co 80265-2080
ATTN: Jeff Reindl, Chris M

29-10s-22w Graham
Blasi #29-11
Job Ticket: 55465 **DST#: 1**
Test Start: 2013.12.30 @ 11:05:00

Mud and Cushion Information

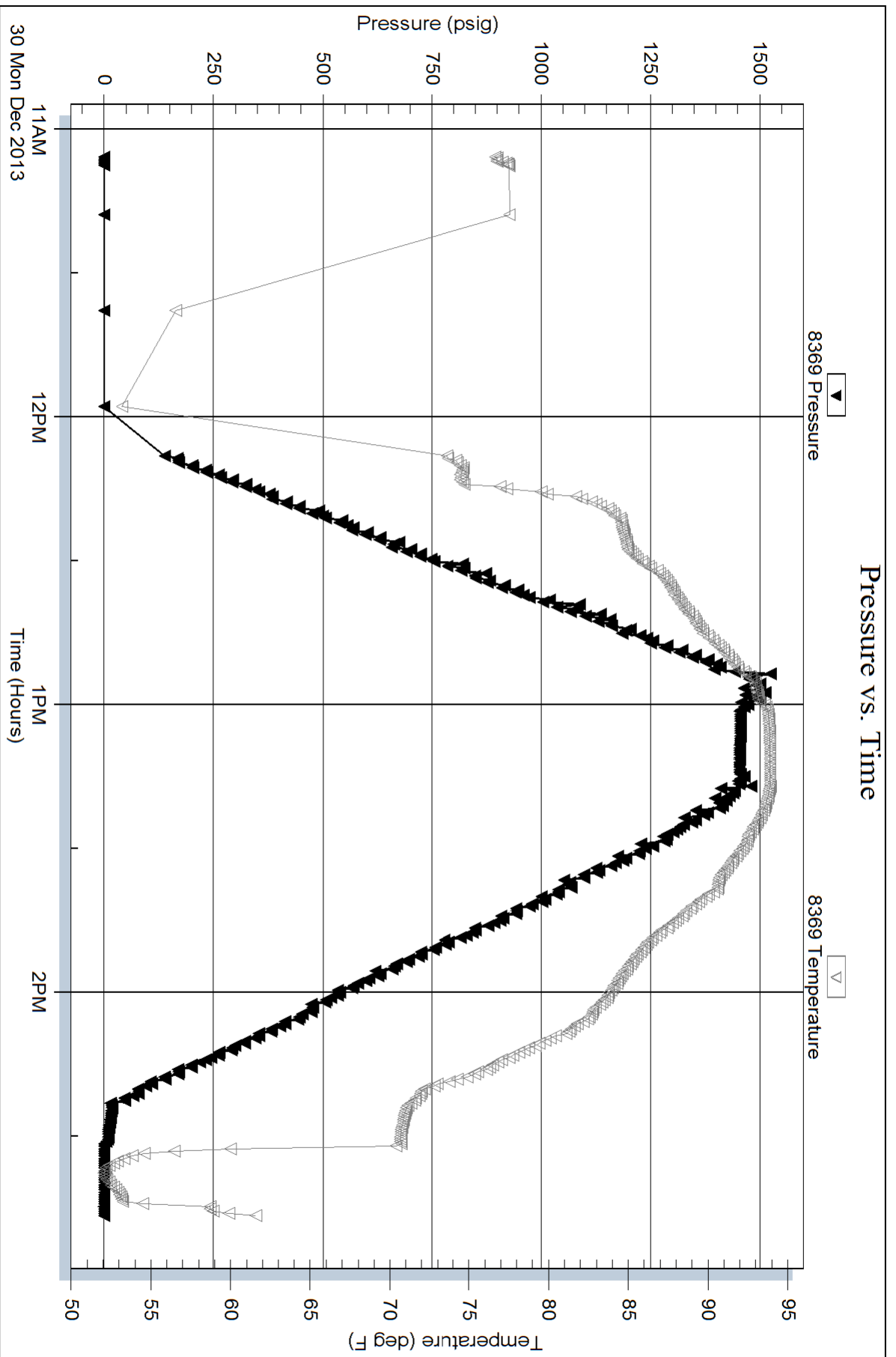
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



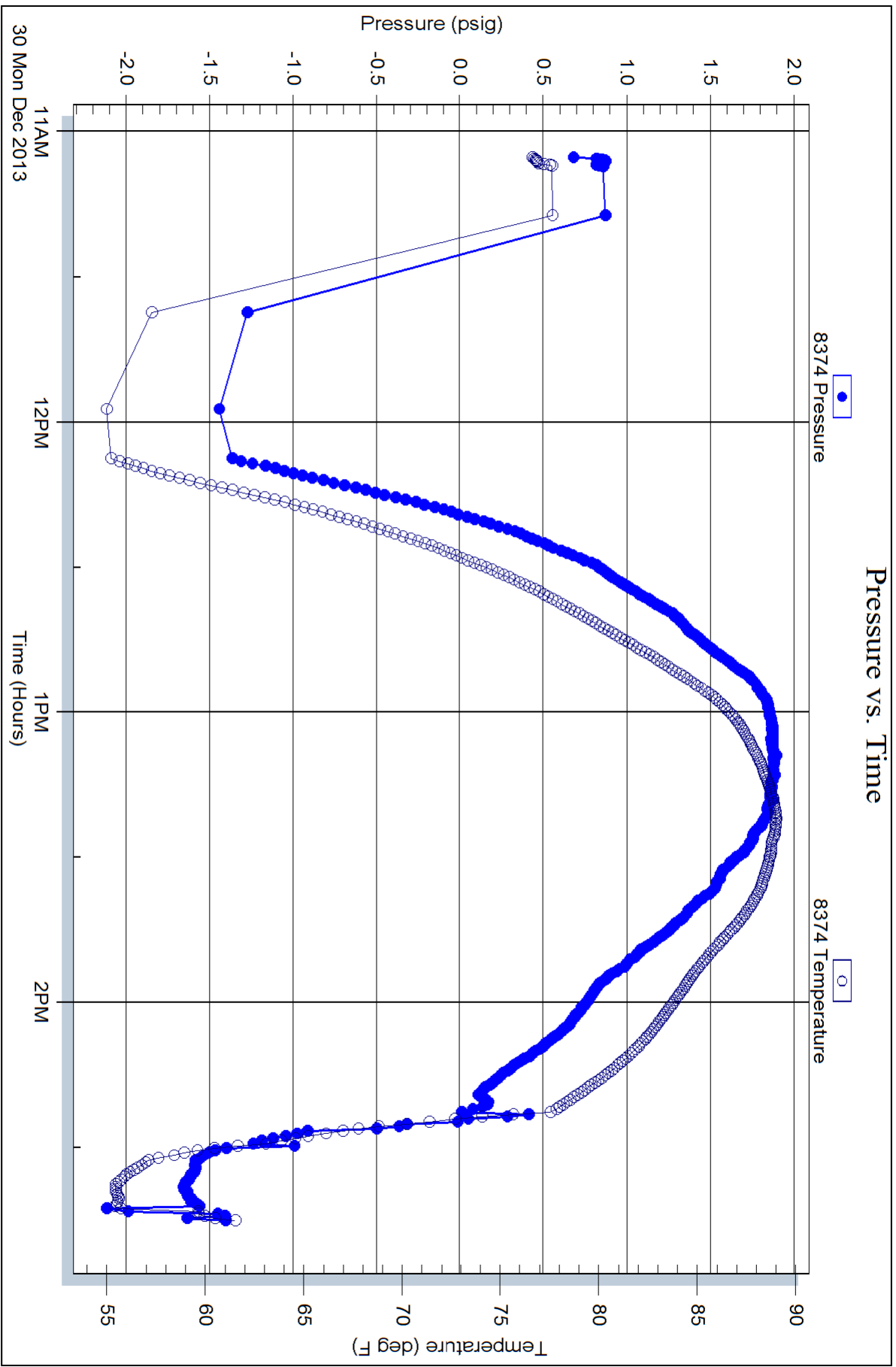
Serial #: 8374

Fluid

McElvain Energy Inc

Biasi #29-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55465

Printed: 2013.12.30 @ 15:10:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th STE 2500 Denver Co 80265-2080
 ATTN: Jeff Reindl, Chris M

29-10s-22w Graham
Blasi #29-11
 Job Ticket: 55466 **DST#: 2**
 Test Start: 2013.12.30 @ 20:00:54

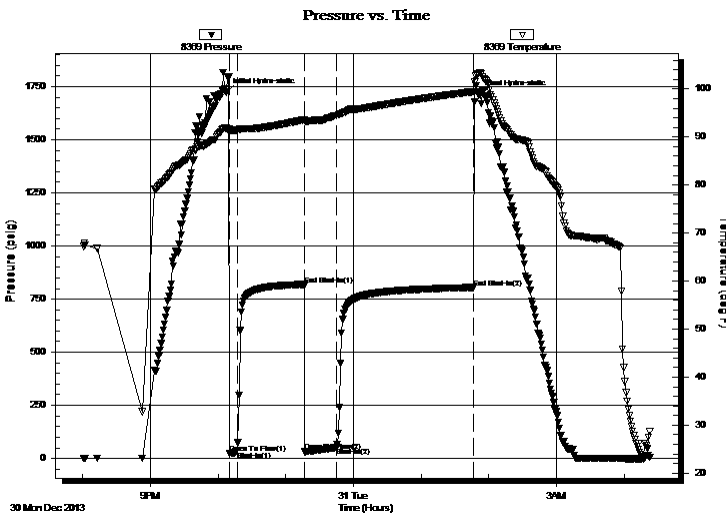
GENERAL INFORMATION:

Formation: **LKC A-C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:10:19 Tester: Ray Schwager
 Time Test Ended: 04:22:48 Unit No: 70
 Interval: **3622.00 ft (KB) To 3686.00 ft (KB) (TVD)** Reference Elevations: 2353.00 ft (KB)
 Total Depth: 3686.00 ft (KB) (TVD) 2343.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8369 Inside
 Press @ Run Depth: 51.01 psig @ 3626.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.30 End Date: 2013.12.31 Last Calib.: 2013.12.31
 Start Time: 20:00:54 End Time: 04:22:48 Time On Btm: 2013.12.30 @ 22:07:19
 Time Off Btm: 2013.12.31 @ 01:50:48

TEST COMMENT: 5-IFP-w k bl thru-out 1/2" to 3" bl
 60-ISIP-no bl bk
 30-FFP-w k to a gd bl 1/2" to 7" bl
 120-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.36	91.82	Initial Hydro-static
3	22.28	90.96	Open To Flow (1)
10	33.50	91.42	Shut-In(1)
69	818.73	93.58	End Shut-In(1)
70	31.82	93.32	Open To Flow (2)
98	51.01	94.50	Shut-In(2)
220	804.82	99.45	End Shut-In(2)
224	1711.44	103.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	100' GIP	0.00
30.00	CO	0.42
55.00	O&GCM 10%G20%O70%M	0.77

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

McElvain Energy Inc

29-10s-22w Graham

1050 17th STE 2500 Denver Co 80265-2080

Blasi #29-11

Job Ticket: 55466

DST#: 2

ATTN: Jeff Reindl, Chris M

Test Start: 2013.12.30 @ 20:00:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	100' GIP	0.000
30.00	CO	0.421
55.00	O&GCM 10%G20%O70%M	0.772

Total Length: 85.00 ft Total Volume: 1.193 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data : PSI :250# 1200ML oil 200ML mud 600MLgas

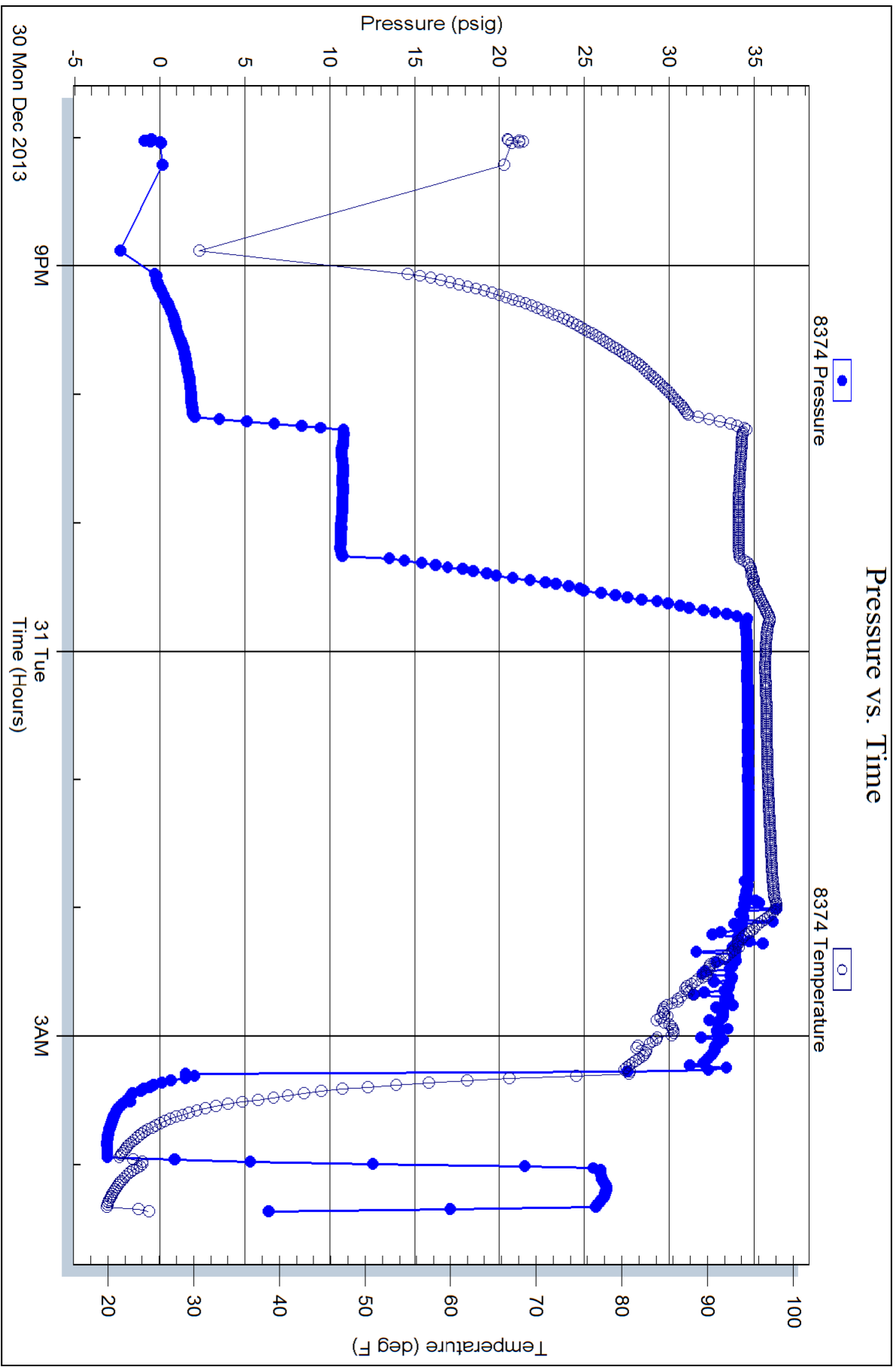
Serial #: 8374

Fluid

McElvain Energy Inc

Blasi #29-11

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 55466

Printed: 2013.12.31 @ 06:04:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th STE 2500 Denver Co 80265-2080
 ATTN: Jeff Reindl, Chris M

29-10s-22w Graham
Blasi #29-11
 Job Ticket: 55467 **DST#: 3**
 Test Start: 2013.12.31 @ 20:25:37

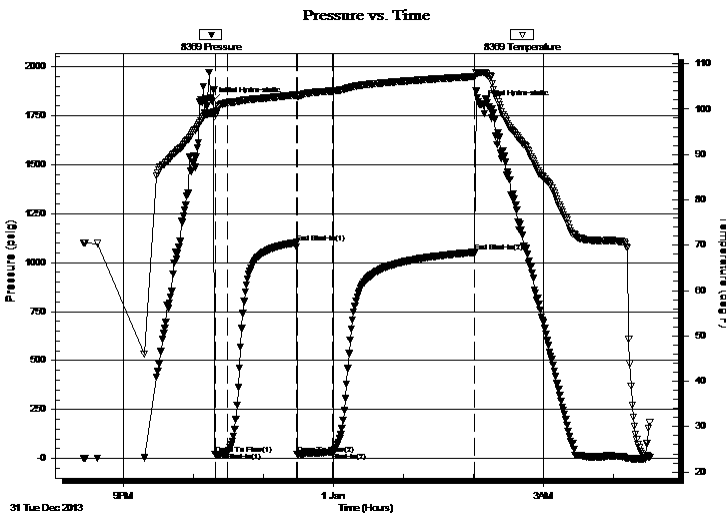
GENERAL INFORMATION:

Formation: **LKC H-I**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:18:17 Tester: Ray Schwager
 Time Test Ended: 04:31:16 Unit No: 70
 Interval: **3738.00 ft (KB) To 3793.00 ft (KB) (TVD)** Reference Elevations: 2353.00 ft (KB)
 Total Depth: 3793.00 ft (KB) (TVD) 2343.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8369 Inside
 Press @ Run Depth: 31.67 psig @ 3740.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.31 End Date: 2014.01.01 Last Calib.: 2014.01.01
 Start Time: 20:25:37 End Time: 04:31:16 Time On Btm: 2013.12.31 @ 22:16:02
 Time Off Btm: 2014.01.01 @ 02:06:46

TEST COMMENT: 10-IFP-w k bl thru-out 1/2" to 2 1/2" bl
 60-ISIP-no bl bk
 30-FFP-w k to a fr bl 1" to 6" bl
 120-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.60	99.13	Initial Hydro-static
3	20.48	98.35	Open To Flow (1)
14	32.09	101.43	Shut-In(1)
72	1102.45	103.13	End Shut-In(1)
73	21.21	102.83	Open To Flow (2)
104	31.67	104.00	Shut-In(2)
226	1052.70	107.18	End Shut-In(2)
231	1808.26	108.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	80'GIP	0.00
5.00	CO	0.07
40.00	MGO 10%G25%M65%O	0.56

* Recovery from multiple tests

Gas Rates

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



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1050 17th STE 2500 Denver Co 80265-2080
ATTN: Jeff Reindl, Chris M

29-10s-22w Graham
Blasi #29-11
Job Ticket: 55467 **DST#: 3**
Test Start: 2013.12.31 @ 20:25:37

Mud and Cushion Information

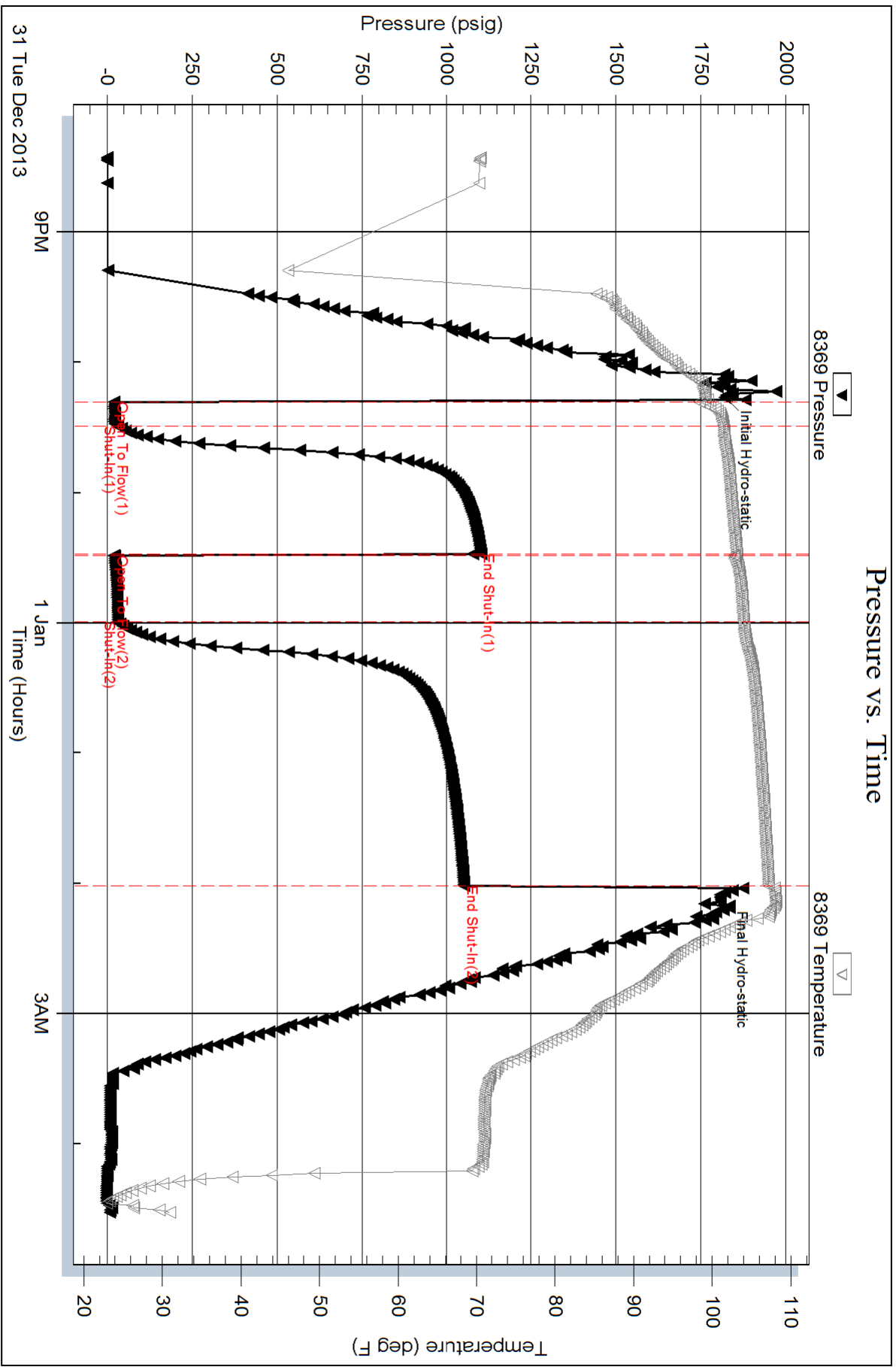
Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.60 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: 1.00 inches		

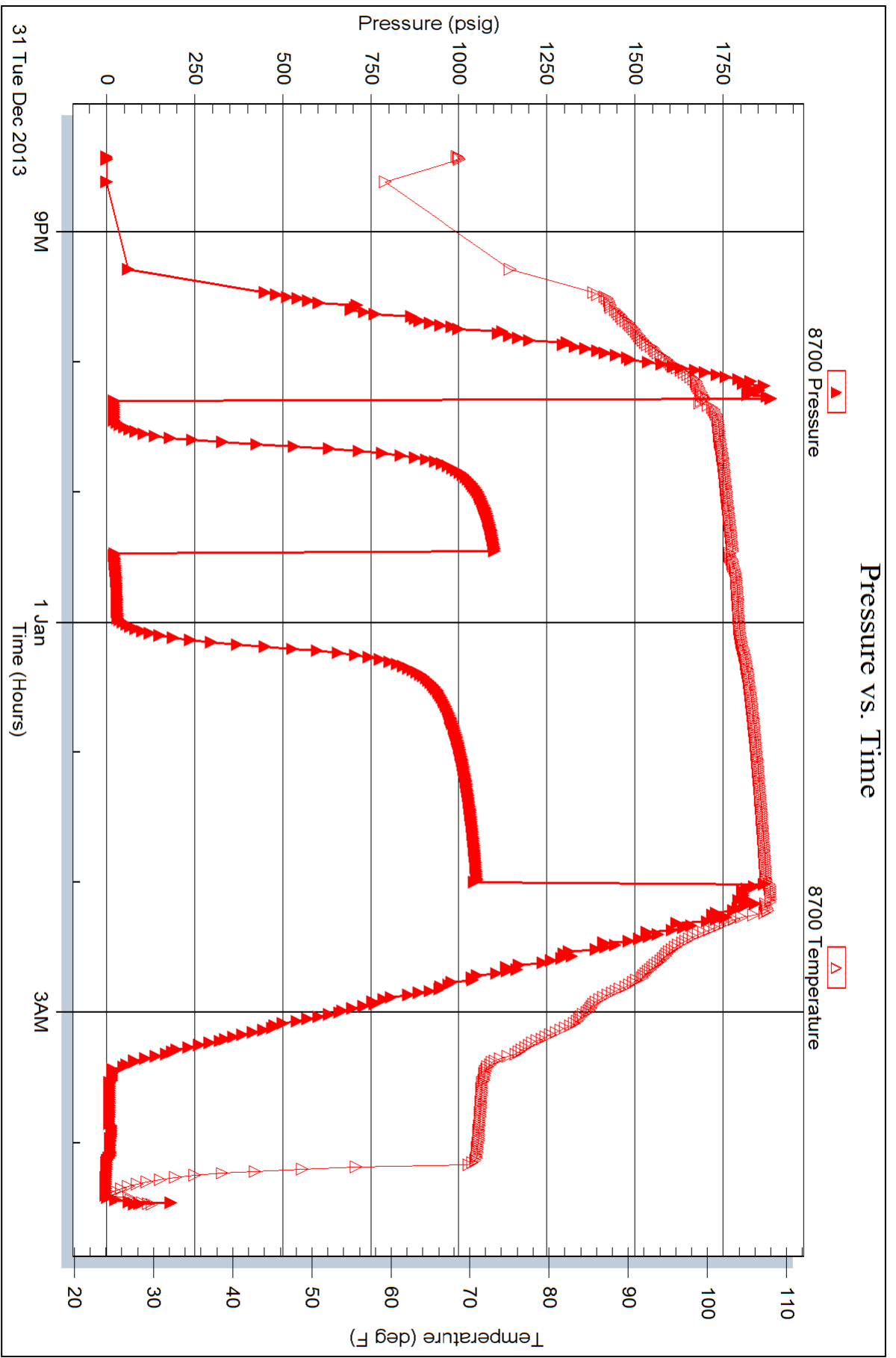
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	80'GIP	0.000
5.00	CO	0.070
40.00	MGO 10%G25%M65%O	0.561

Total Length: 45.00 ft Total Volume: 0.631 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Sampler Data : PSI:200# 200ML Gas 1300ML Oil 500ML Mud





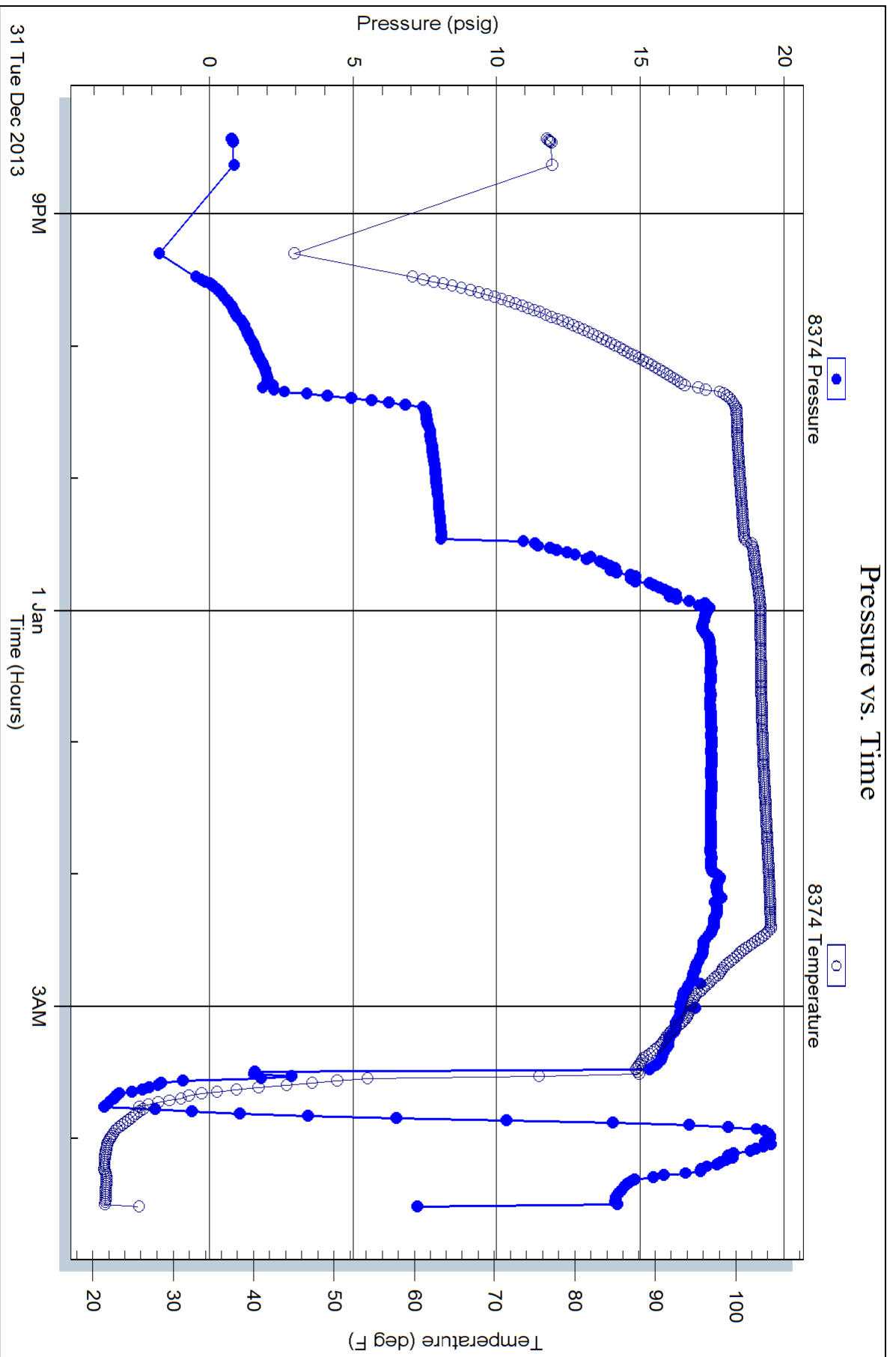
Serial #: 8374

Fluid

McElvain Energy Inc

Blasi #29-11

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 55467

Printed: 2014.01.01 @ 09:53:45



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McElvain Energy Inc
1050 17th STE 2500
Denver Co 80265-2080
ATTN: Jeff Reindl, Chris M

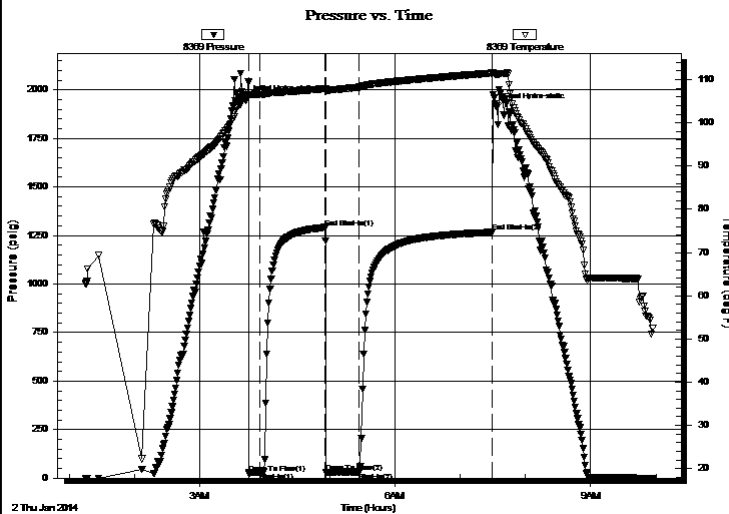
29-10s-22w Graham
Blasi #29-11
Job Ticket: 55468 **DST#: 4**
Test Start: 2014.01.02 @ 01:15:17

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:45:27
Time Test Ended: 09:57:27
Interval: **3943.00 ft (KB) To 3971.00 ft (KB) (TVD)**
Total Depth: 3686.00 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: 2353.00 ft (KB)
2343.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8369 Inside
Press@RunDepth: 32.56 psig @ 3945.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.01.02 End Date: 2014.01.02 Last Calib.: 2014.01.02
Start Time: 01:15:17 End Time: 09:57:27 Time On Btm: 2014.01.02 @ 03:43:12
Time Off Btm: 2014.01.02 @ 07:33:26

TEST COMMENT: 10-IFP-w k bl thru-out 1/4"to 1/2"bl
60-ISIP-no bl
30-FFP-surface bl thru-out
120-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1948.50	106.35	Initial Hydro-static
3	26.13	106.34	Open To Flow (1)
13	30.01	106.61	Shut-In(1)
73	1290.80	107.92	End Shut-In(1)
74	30.76	107.62	Open To Flow (2)
104	32.56	108.28	Shut-In(2)
227	1265.92	111.51	End Shut-In(2)
231	1909.75	111.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 1%O99%M	0.14

* Recovery from multiple tests

Gas Rates

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



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McElvain Energy Inc

29-10s-22w Graham

1050 17th STE 2500
Denver Co 80265-2080

Blasi #29-11

Job Ticket: 55468

DST#: 4

ATTN: Jeff Reindl, Chris M

Test Start: 2014.01.02 @ 01:15:17

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 1%O99%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

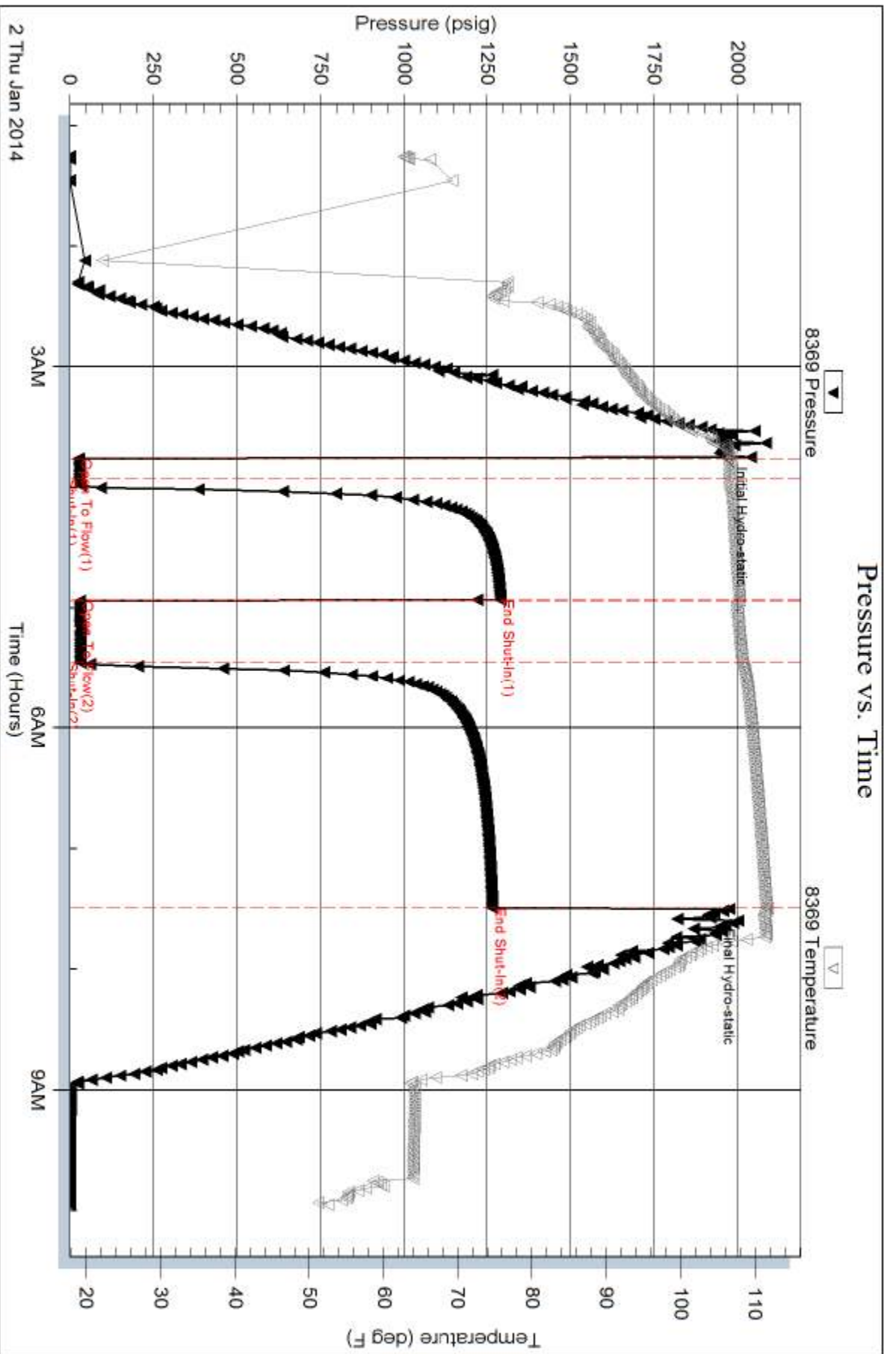
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data : PSI 50# 2000ML mud w/show of oil



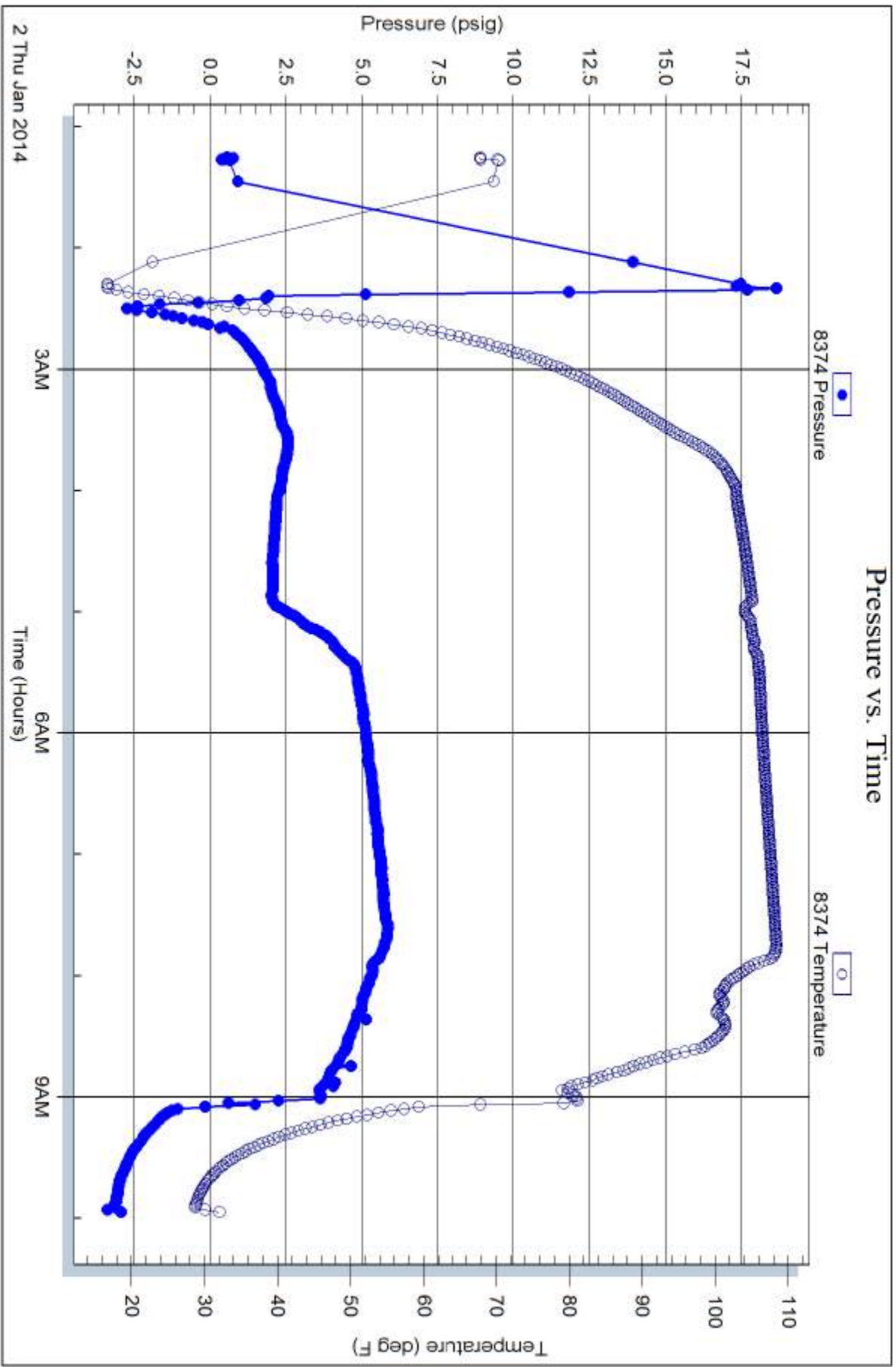
Serial #: 8374

Fluid

McEvain Energy Inc

Blasi #29-11

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 55468

Printed: 2014.01.02 @ 10:19:59