



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy
 1050 17th STE 2500
 Denver CO 80265
 ATTN: Chris Mitchell

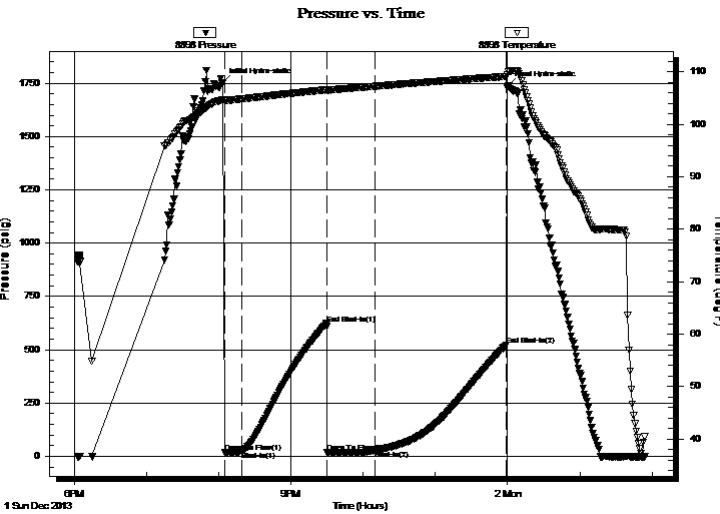
12-11s-22w-Trego Co
Walz #12-4
 Job Ticket: 55841 **DST#: 1**
 Test Start: 2013.12.01 @ 18:02:47

GENERAL INFORMATION:

Formation: **LKC H-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:04:47
 Time Test Ended: 01:53:56
Interval: 3580.00 ft (KB) To 3652.00 ft (KB) (TVD)
 Total Depth: 3652.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 2150.00 ft (KB)
 2140.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8898 Outside
 Press@RunDepth: 28.54 psig @ 3585.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.01 End Date: 2013.12.02 Last Calib.: 2013.12.02
 Start Time: 18:02:48 End Time: 01:53:57 Time On Btm: 2013.12.01 @ 20:03:27
 Time Off Btm: 2013.12.02 @ 00:00:47

TEST COMMENT: Weak surface blow
 Dead no blow back
 Dead no blow
 Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.69	104.70	Initial Hydro-static
2	17.54	104.45	Open To Flow (1)
16	24.90	104.81	Shut-In(1)
86	622.83	106.57	End Shut-In(1)
87	18.39	106.41	Open To Flow (2)
127	28.54	107.24	Shut-In(2)
236	522.21	109.11	End Shut-In(2)
238	1736.66	109.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%M with oil spots	0.01

Gas Rates

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



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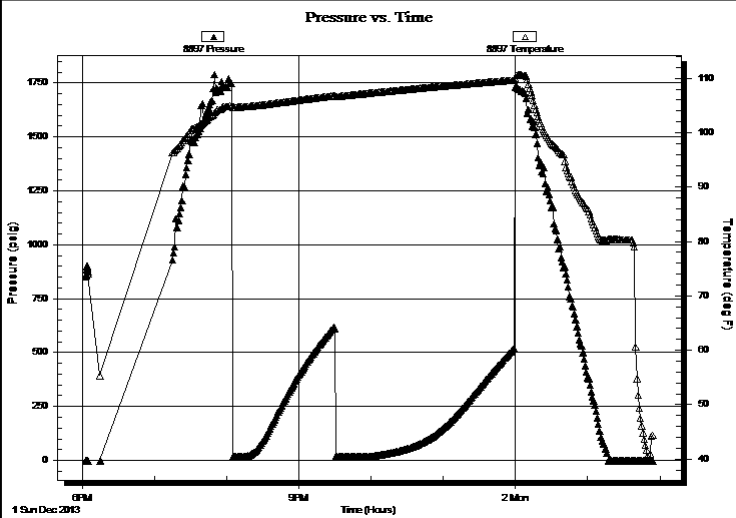
12-11s-22w-Trego Co
Walz #12-4
 Job Ticket: 55841 **DST#: 1**
 Test Start: 2013.12.01 @ 18:02:47

GENERAL INFORMATION:

Formation: **LKC H-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:04:47
 Time Test Ended: 01:53:56
Interval: 3580.00 ft (KB) To 3652.00 ft (KB) (TVD)
 Total Depth: 3652.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 2150.00 ft (KB)
 2140.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8897 **Inside**
 Press@RunDepth: psig @ 3585.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.01 End Date: 2013.12.02 Last Calib.: 2013.12.02
 Start Time: 18:02:54 End Time: 01:54:03 Time On Btm:
 Time Off Btm:

TEST COMMENT: Weak surface blow
 Dead no blow back
 Dead no blow
 Dead no blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
1.00	100%M w ith oil spots	0.01

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



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12-11s-22w-Trego Co

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Walz #12-4

Job Ticket: 55841

DST#: 1

ATTN: Chris Mitchell

Test Start: 2013.12.01 @ 18:02:47

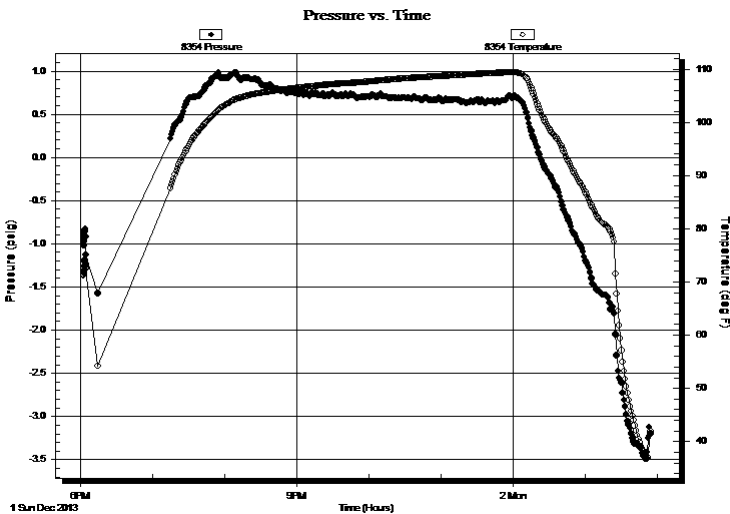
GENERAL INFORMATION:

Formation: **LKC H-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:04:47
 Time Test Ended: 01:53:56
Interval: 3580.00 ft (KB) To 3652.00 ft (KB) (TVD)
 Total Depth: 3652.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 2150.00 ft (KB)
 2140.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8354

Press@RunDepth: psig @ 3544.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.01 End Date: 2013.12.02 Last Calib.: 2013.12.02
 Start Time: 18:02:58 End Time: 01:54:07 Time On Btm:
 Time Off Btm:

TEST COMMENT: Weak surface blow
 Dead no blow back
 Dead no blow
 Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%M w ith oil spots	0.01

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy

12-11s-22w-Trego Co

1050 17th STE 2500
Denver CO 80265

Walz #12-4

Job Ticket: 55841

DST#: 1

ATTN: Chris Mitchell

Test Start: 2013.12.01 @ 18:02:47

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100%M w ith oil spots	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

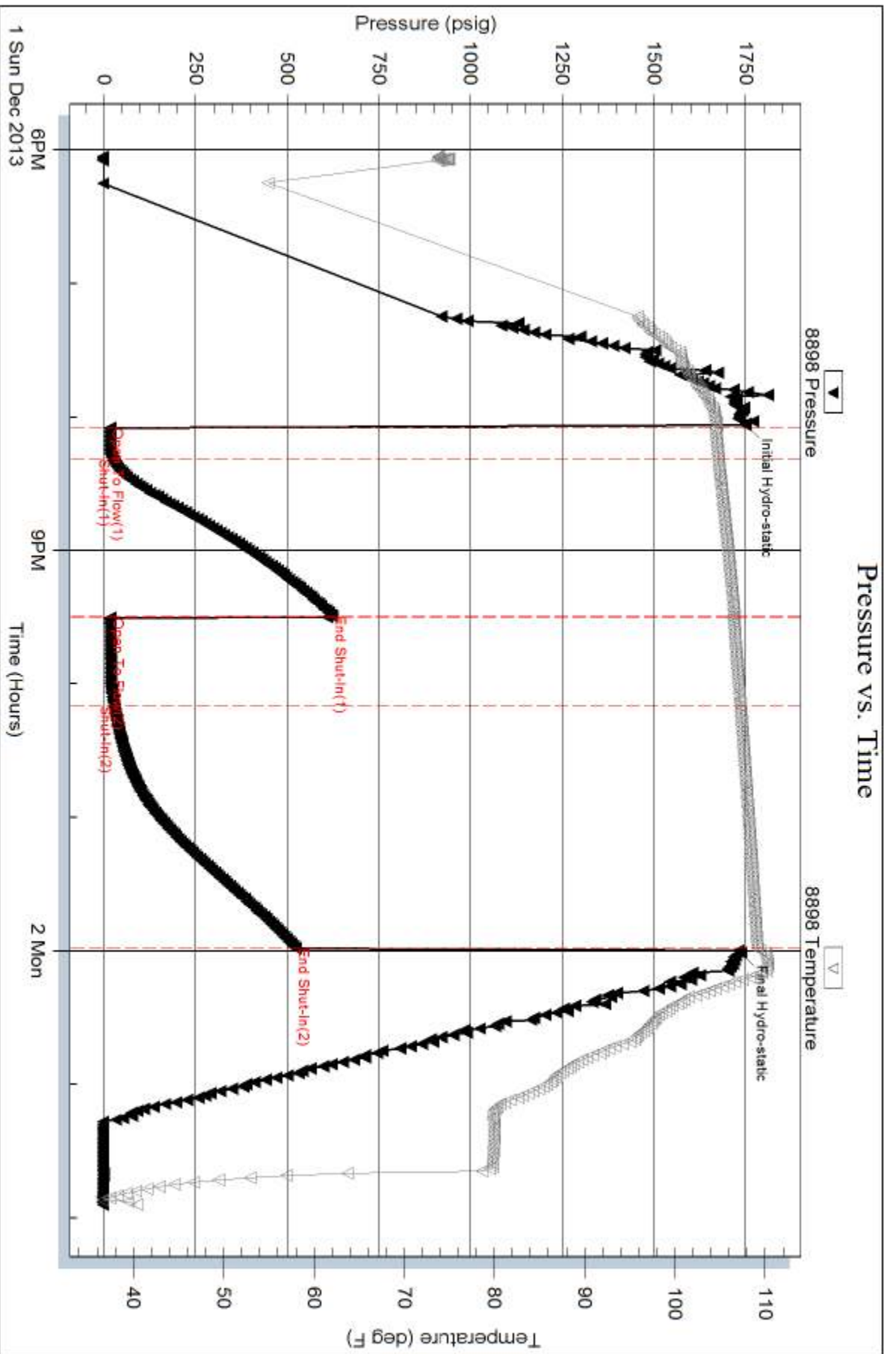
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



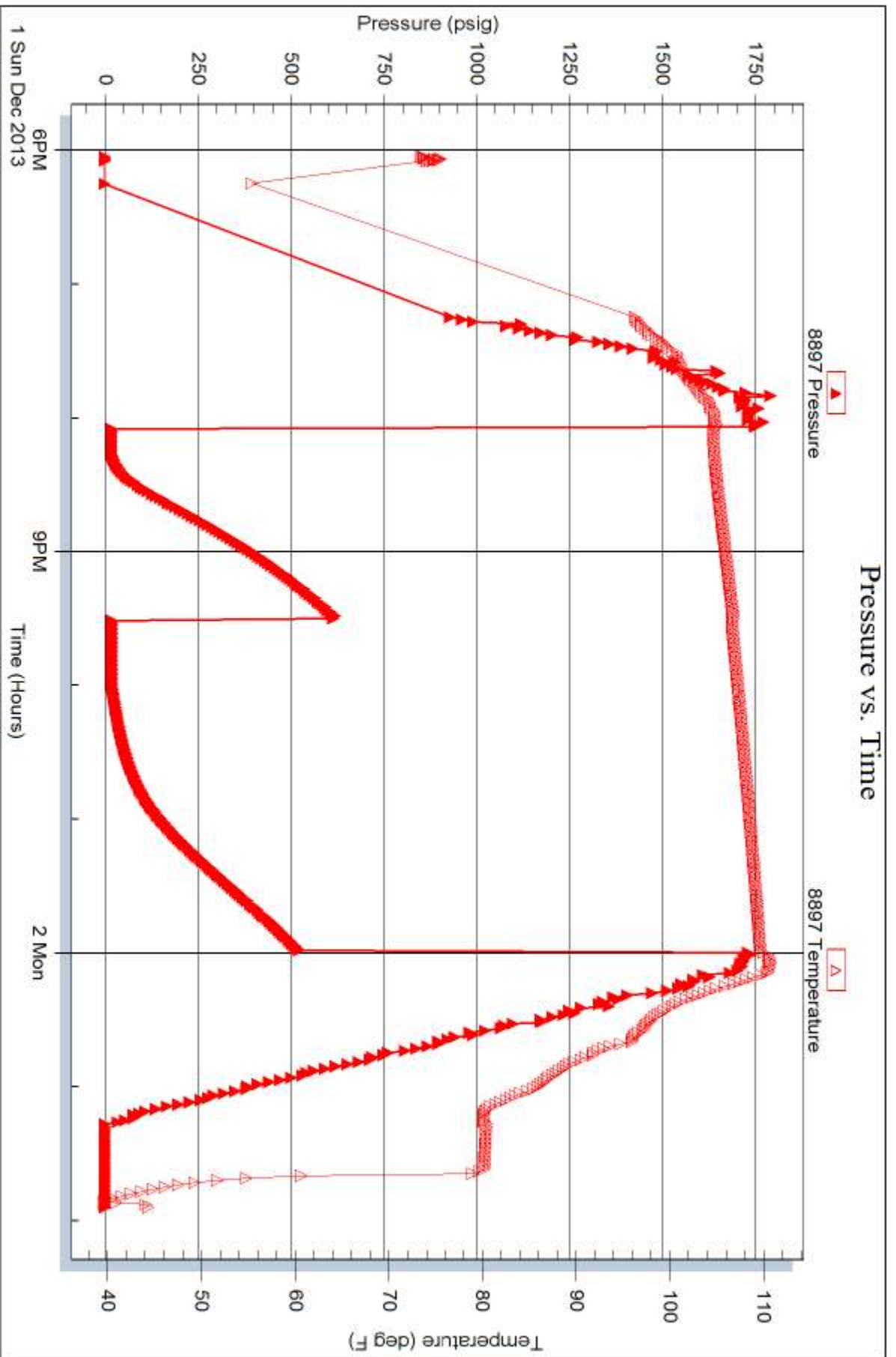
Serial #: 8897

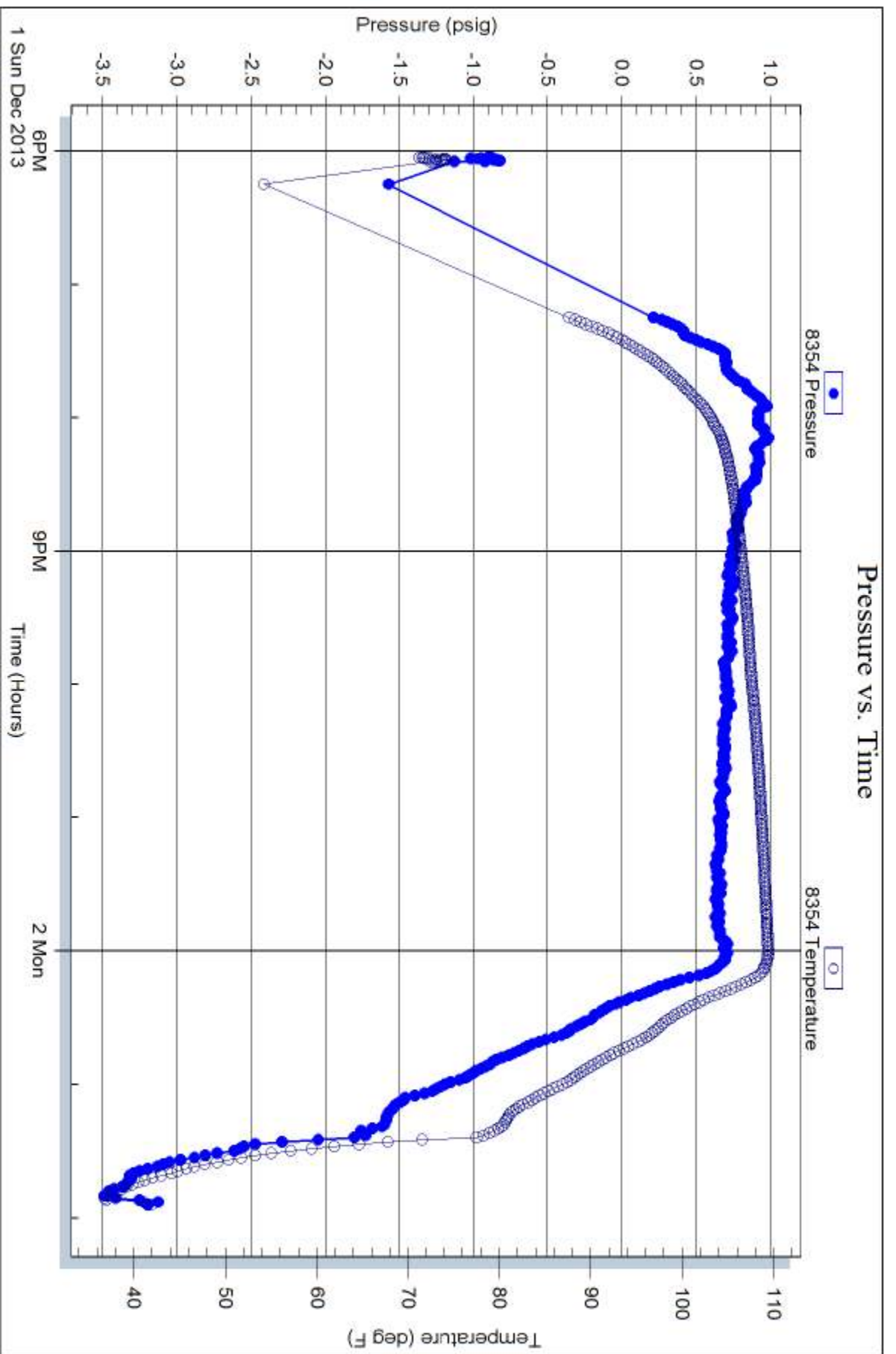
Inside

McEvain Energy

Waltz #12-4

DST Test Number: 1







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy

12-11s-22w-Trego Co

1050 17th STE 2500
Denver CO 80265

Walz #12-4

Job Ticket: 55842

DST#: 2

ATTN: Chris Mitchell

Test Start: 2013.12.02 @ 15:28:04

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:23:44

Time Test Ended: 23:38:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3738.00 ft (KB) To 3762.00 ft (KB) (TVD)

Reference Elevations: 2150.00 ft (KB)

Total Depth: 3762.00 ft (KB) (TVD)

2140.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8898 Outside

Press@RunDepth: 31.05 psig @ 3739.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.02

End Date:

2013.12.02

Last Calib.:

2013.12.02

Start Time: 15:28:05

End Time:

23:38:04

Time On Btm:

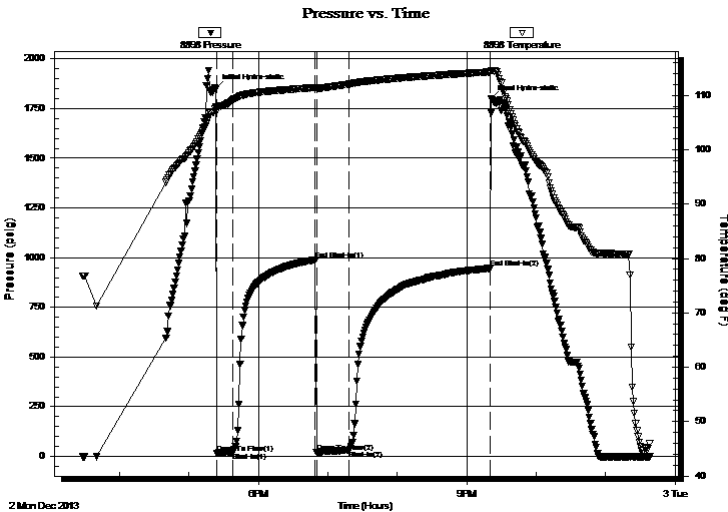
2013.12.02 @ 17:23:24

Time Off Btm:

2013.12.02 @ 21:21:13

TEST COMMENT: Weak surface blow built to 2 1/2 in
Dead no blow back
Fair surface blow built to 5 in
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.18	107.98	Initial Hydro-static
1	15.67	107.10	Open To Flow (1)
15	20.61	109.11	Shut-In(1)
86	988.26	111.44	End Shut-In(1)
87	19.41	111.25	Open To Flow (2)
115	31.05	112.06	Shut-In(2)
237	945.97	114.31	End Shut-In(2)
238	1796.93	114.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	20%G 80%O	0.77
10.00	5%G 35%O 60%M	0.14
0.00	20 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



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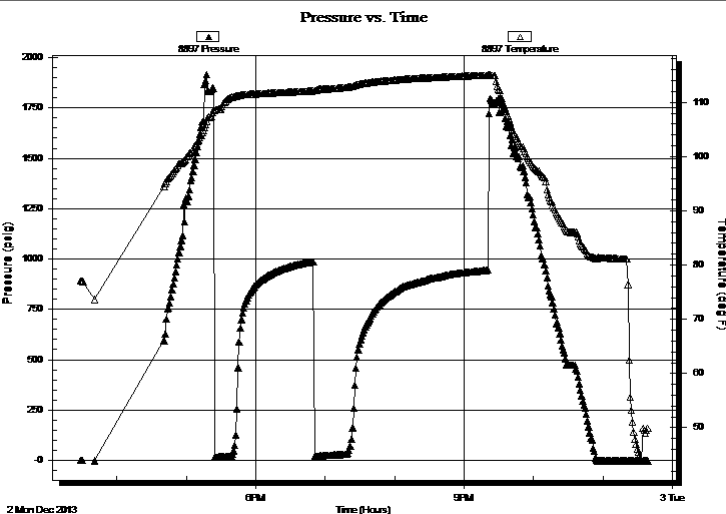
12-11s-22w-Trego Co
Walz #12-4
Job Ticket: 55842 **DST#: 2**
Test Start: 2013.12.02 @ 15:28:04

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 17:23:44 Tester: Tate Lang
Time Test Ended: 23:38:04 Unit No: 49
Interval: 3738.00 ft (KB) To 3762.00 ft (KB) (TVD) Reference Elevations: 2150.00 ft (KB)
Total Depth: 3762.00 ft (KB) (TVD) 2140.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8897 **Inside**
Press@RunDepth: psig @ 3739.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.02 End Date: 2013.12.02 Last Calib.: 2013.12.02
Start Time: 15:28:36 End Time: 23:38:35 Time On Btm:
Time Off Btm:

TEST COMMENT: Weak surface blow built to 2 1/2 in
Dead no blow back
Fair surface blow built to 5 in
Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
55.00	20%G 80%O	0.77
10.00	5%G 35%O 60%M	0.14
0.00	20 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

McElvain Energy

12-11s-22w-Trego Co

1050 17th STE 2500
Denver CO 80265

Walz #12-4

Job Ticket: 55842

DST#: 2

ATTN: Chris Mitchell

Test Start: 2013.12.02 @ 15:28:04

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: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
55.00	20%G 80%O	0.772
10.00	5%G 35%O 60%M	0.140
0.00	20 GIP	0.000

Total Length: 65.00 ft Total Volume: 0.912 bbl

Num Fluid Samples: 0

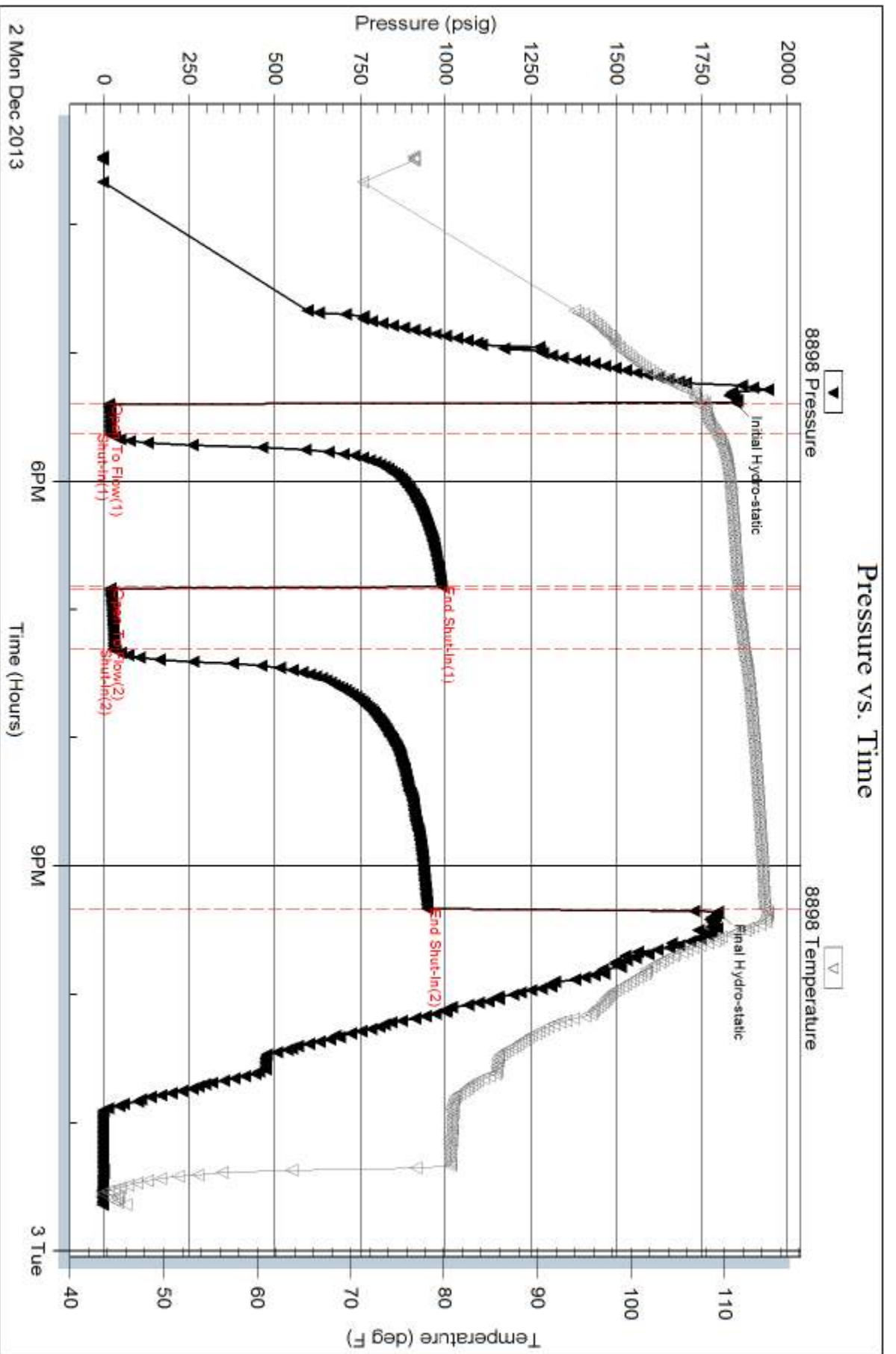
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



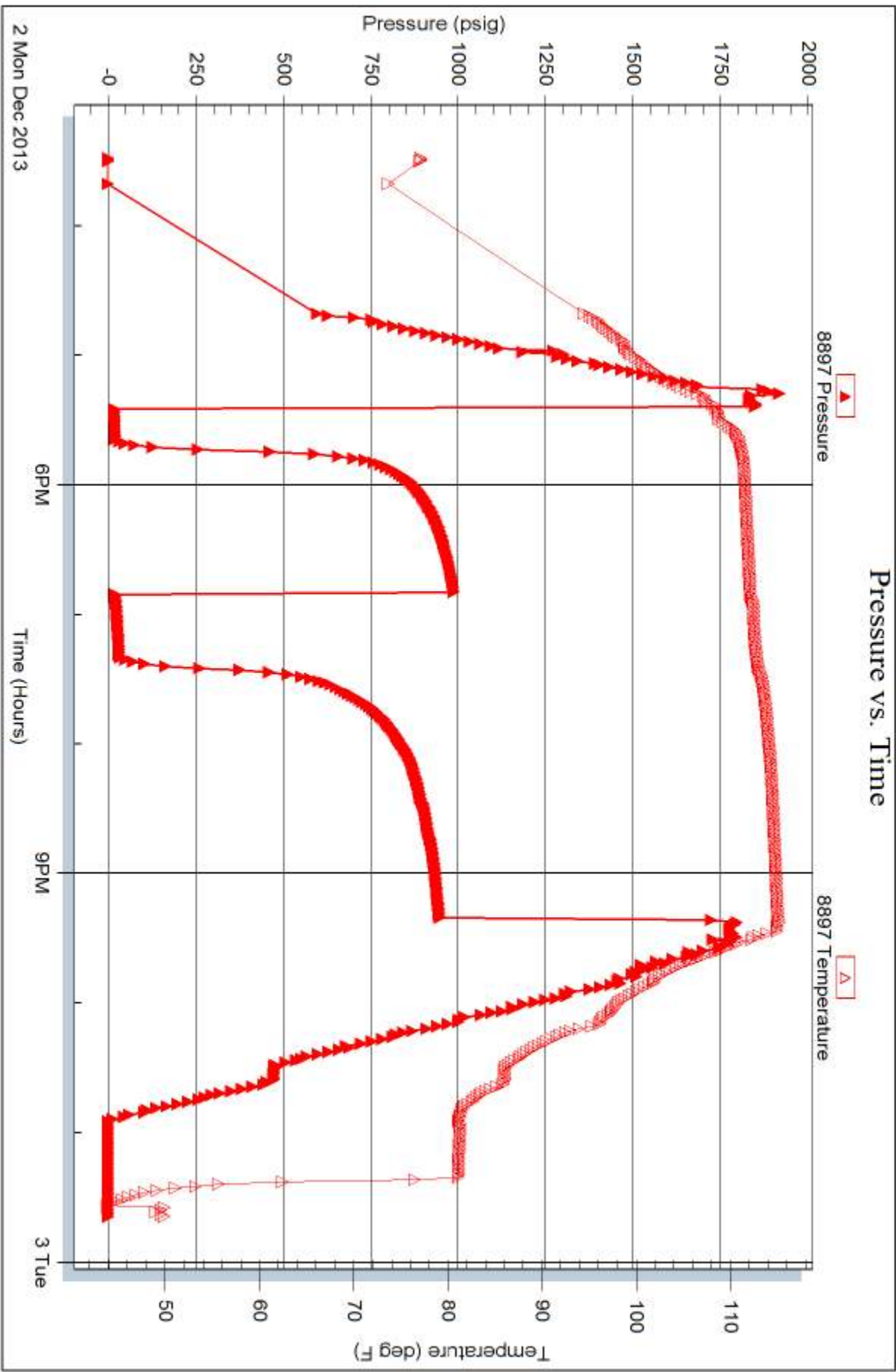
Serial #: 8897

Inside

McEvain Energy

Walz #12-4

DST Test Number: 2



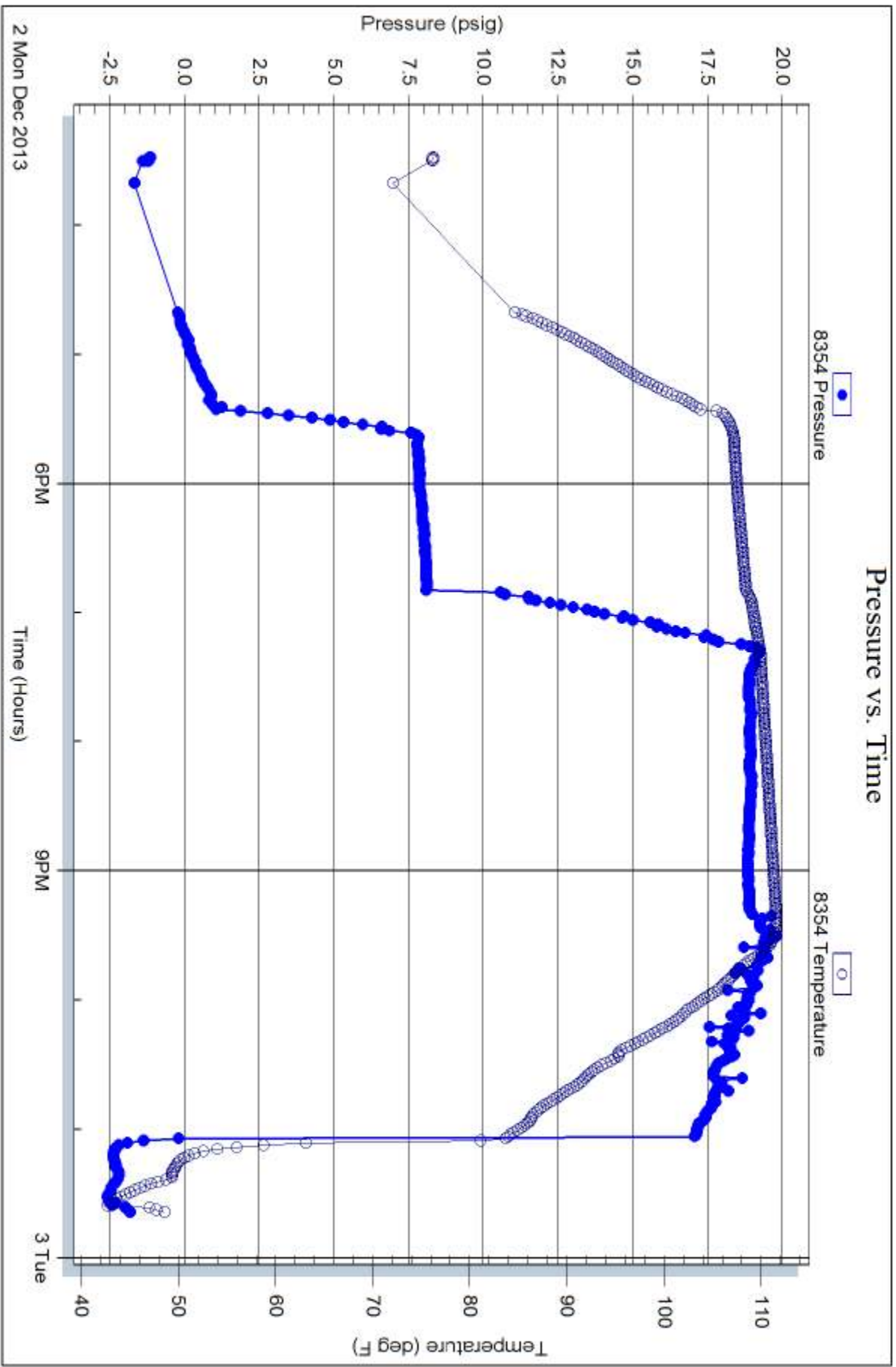
Serial #: 8354

Fluid

McBain Energy

Walz #12-4

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55842

Printed: 2013.12.03 @ 01:32:35