



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McElvain Energy, Inc.

11-10S-22W Graham, KS

1050 17th St. Ste. 2500
Denver, CO 80265

Brassfield #11-9

Job Ticket: 58760

DST#: 1

ATTN:

Test Start: 2014.04.19 @ 13:30:24

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:50:54

Time Test Ended: 20:39:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan L

Unit No: 48

Interval: 3564.00 ft (KB) To 3600.00 ft (KB) (TVD)

Reference Elevations: 2318.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

2310.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8372

Inside

Press@RunDepth: 80.42 psig @ 3565.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.19

End Date:

2014.04.19

Last Calib.:

2014.04.19

Start Time: 13:30:25

End Time:

20:39:54

Time On Btm:

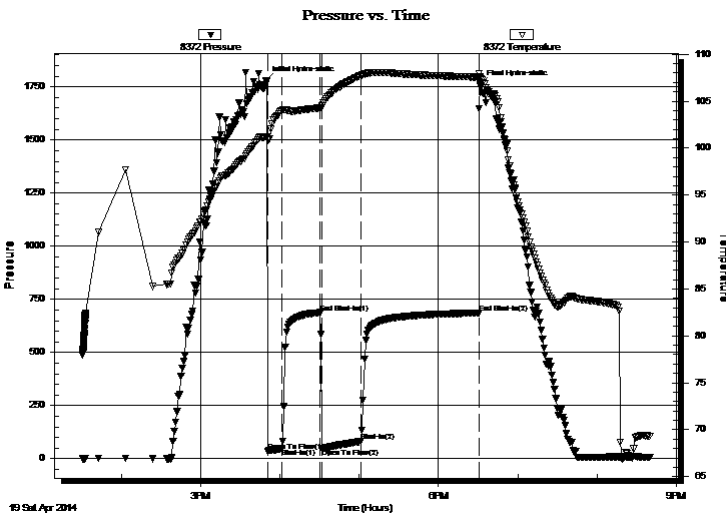
2014.04.19 @ 15:49:24

Time Off Btm:

2014.04.19 @ 18:31:24

TEST COMMENT: 10- IF- Built to 9"
30- IS- No blow
30- FF- BOB 9mins
90- FSI- Maintained .5" blow throughout

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1777.55	101.24	Initial Hydro-static
2	35.46	100.84	Open To Flow (1)
12	46.99	104.02	Shut-In(1)
41	687.86	104.28	End Shut-In(1)
42	48.10	104.31	Open To Flow (2)
72	80.42	107.76	Shut-In(2)
161	686.18	107.57	End Shut-In(2)
162	1760.62	107.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MW, 10%M 90%W	0.14
40.00	GO, 15%G 85%O	0.55
85.00	SWOCM, 5%W 20%O 75%M	1.16
0.00	300' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy, Inc.
1050 17th St. Ste. 2500
Denver, CO 80265
ATTN:

11-10S-22W Graham, KS
Brassfield #11-9
Job Ticket: 58760 **DST#: 1**
Test Start: 2014.04.19 @ 13:30:24

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 15:50:54 Tester: Brannan L
Time Test Ended: 20:39:54 Unit No: 48
Interval: **3564.00 ft (KB) To 3600.00 ft (KB) (TVD)** Reference Elevations: 2318.00 ft (KB)
Total Depth: 3600.00 ft (KB) (TVD) 2310.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8647 Fluid
Press@RunDepth: psig @ 3536.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.19 End Date: 2014.04.19 Last Calib.: 2014.04.19
Start Time: 13:29:58 End Time: 20:37:57 Time On Btm:
Time Off Btm:

TEST COMMENT: 10- IF- Built to 9"
30- IS- No blow
30- FF- BOB 9mins
90- FSI- Maintained .5" blow throughout



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MW, 10%M 90%W	0.14
40.00	GO, 15%G 85%O	0.55
85.00	SWOCM, 5%W 20%O 75%M	1.16
0.00	300' GIP	0.00

Gas Rates

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



**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

Brassfield #11-9

Job Ticket: 58760

DST#: 1

ATTN:

Test Start: 2014.04.19 @ 13:30:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	MW, 10%M 90%W	0.137
40.00	GO, 15%G 85%O	0.546
85.00	SWOCM, 5%W 20%O 75%M	1.161
0.00	300' GIP	0.000

Total Length: 135.00 ft

Total Volume: 1.844 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler:

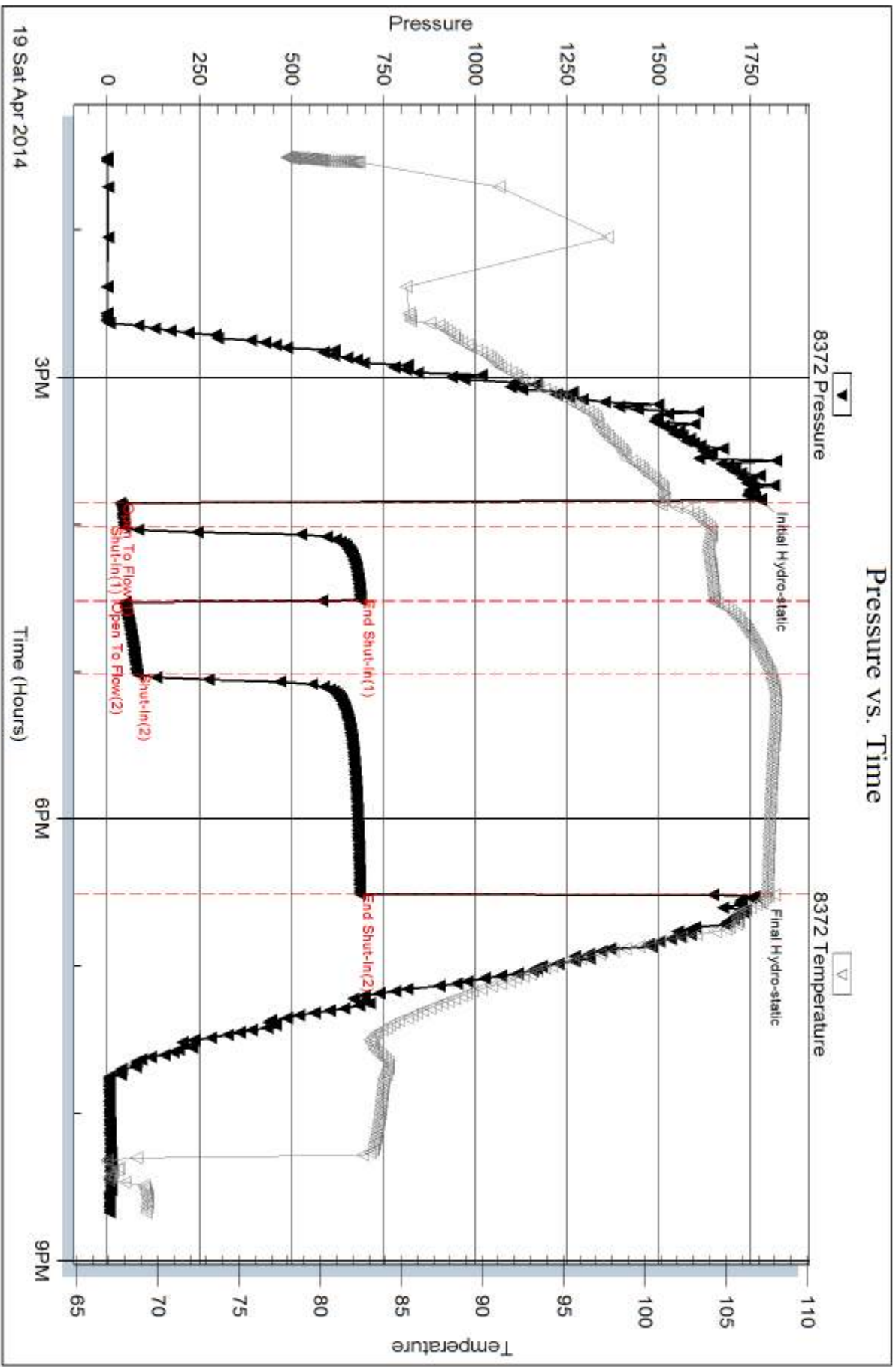
Serial #: 8372

Inside

McEvain Energy, Inc.

Brassfield #11-9

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58760

Printed: 2014.04.21 @ 07:55:54

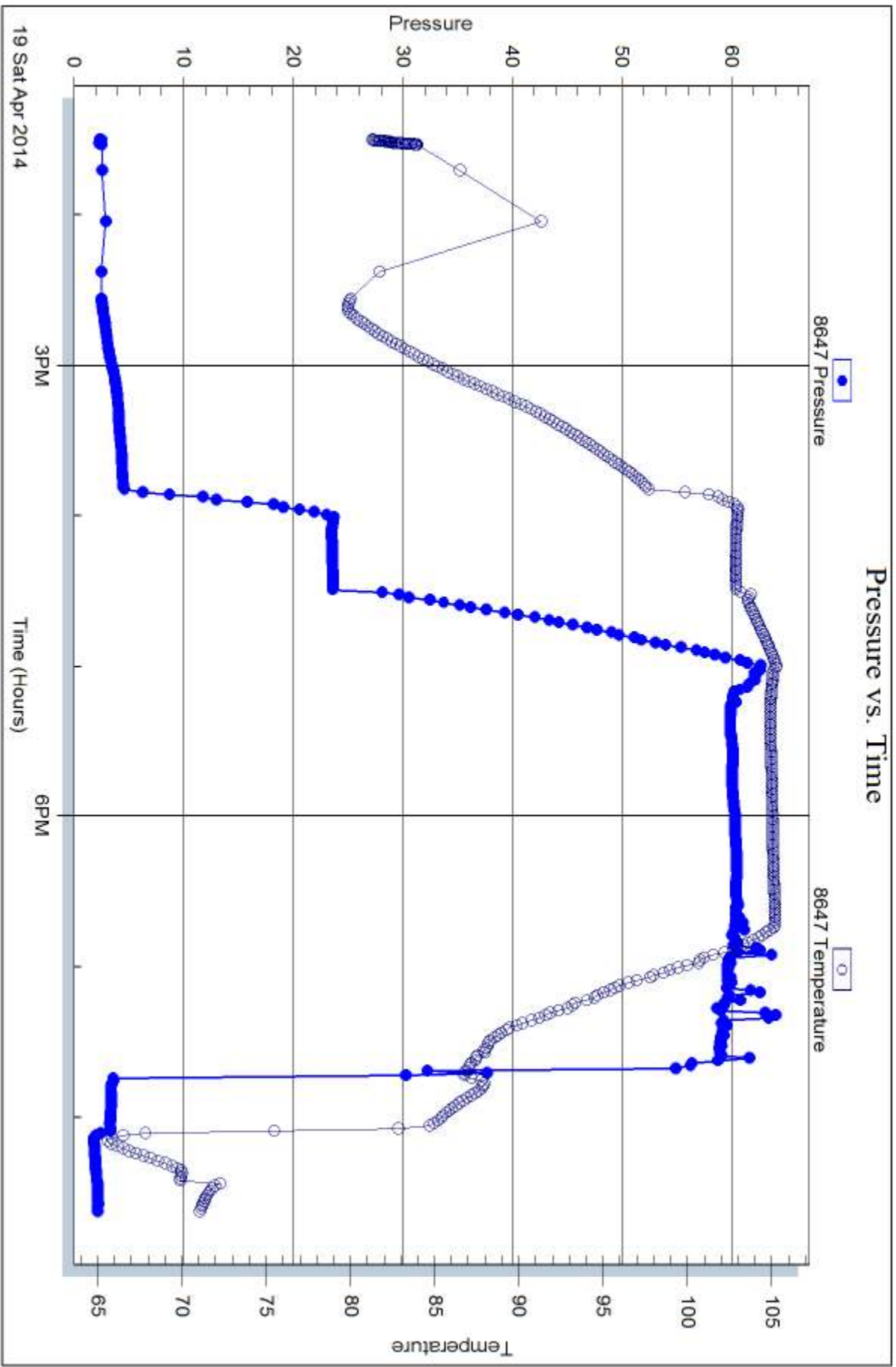
Serial #: 8647

Fluid

McEvain Energy, Inc.

Brassfield #11-9

DST Test Number: 1



19 Sat Apr 2014

Time (Hours)

3PM

6PM

Trilobite Testing, Inc

Ref. No: 58760

Printed: 2014.04.21 @ 07:55:54