



DRILL STEM TEST REPORT

Prepared For: **McElvain Energy, Inc**

1050 17th St Ste 2500
Denver, CO 80265

ATTN: Larry Nichols

Price #14-5

14 6s 37w Sherman,KS

Start Date: 2013.11.20 @ 10:11:45

End Date: 2013.11.20 @ 19:43:00

Job Ticket #: 55608 DST #: 1

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

Printed: 2013.11.25 @ 15:15:52



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

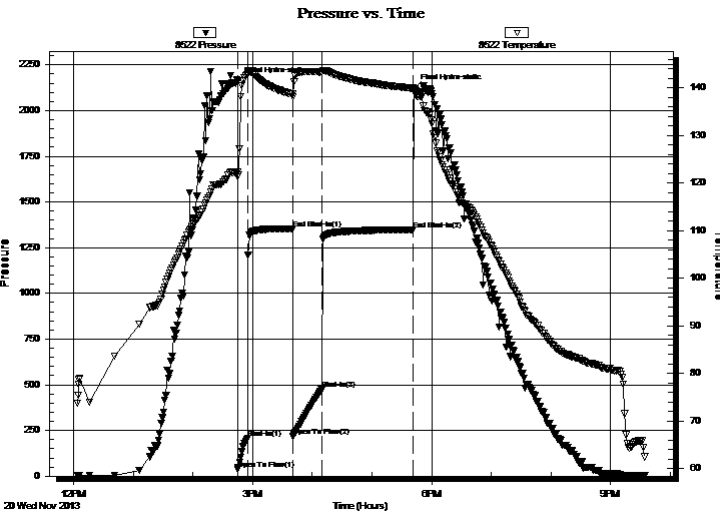
14 6s 37w Sherman, KS
Price #14-5
 Job Ticket: 55608 **DST#: 1**
 Test Start: 2013.11.20 @ 10:11:45

GENERAL INFORMATION:

Formation: **LKC - E & F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:53:00
 Time Test Ended: 19:43:00
 Interval: **4389.00 ft (KB) To 4419.00 ft (KB) (TVD)**
 Total Depth: 4419.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3452.00 ft (KB)
 3441.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8522 Outside
 Press@RunDepth: 474.66 psig @ 4390.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.20 End Date: 2013.11.20 Last Calib.: 2013.11.20
 Start Time: 12:04:05 End Time: 21:35:15 Time On Btm: 2013.11.20 @ 14:45:00
 Time Off Btm: 2013.11.20 @ 17:42:45

TEST COMMENT: IF: BOB @ 5 min.
 IS: No return.
 FF: BOB @ 7 min.
 IS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.73	122.26	Initial Hydro-static
1	37.62	121.31	Open To Flow (1)
10	208.74	142.84	Shut-In(1)
55	1352.58	138.65	End Shut-In(1)
56	215.50	138.05	Open To Flow (2)
85	474.66	143.26	Shut-In(2)
177	1348.25	139.88	End Shut-In(2)
178	2118.72	139.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1020.00	smcw 2m 98 w	11.48

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: Larry Nichols

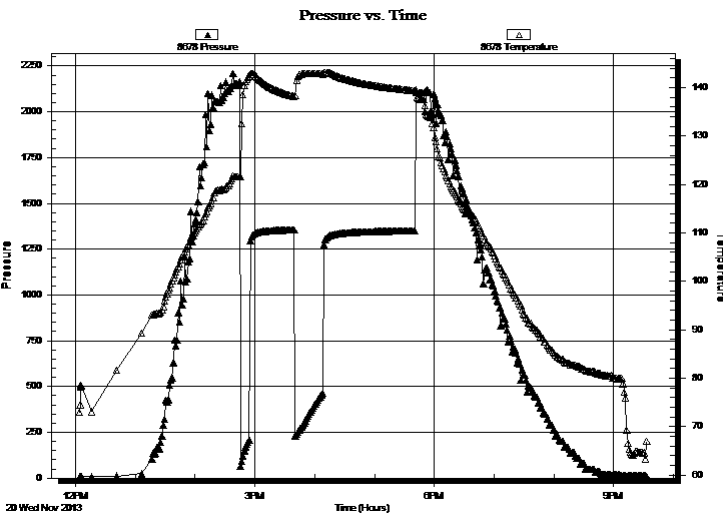
14 6s 37w Sherman,KS
Price #14-5
 Job Ticket: 55608 **DST#: 1**
 Test Start: 2013.11.20 @ 10:11:45

GENERAL INFORMATION:

Formation: **LKC - E & F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:53:00 Tester: Bradley Walter
 Time Test Ended: 19:43:00 Unit No: 69
Interval: 4389.00 ft (KB) To 4419.00 ft (KB) (TVD) Reference Elevations: 3452.00 ft (KB)
 Total Depth: 4419.00 ft (KB) (TVD) 3441.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8678 **Inside**
 Press@RunDepth: psig @ 4390.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.20 End Date: 2013.11.20 Last Calib.: 2013.11.20
 Start Time: 12:04:05 End Time: 21:33:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 5 min.
 IS: No return.
 FF: BOB @ 7 min.
 IS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1020.00	smcw 2m 98 w	11.48

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy, Inc

14 6s 37w Sherman,KS1050 17th St Ste 2500
Denver, CO 80265**Price #14-5**

Job Ticket: 55608

DST#: 1

ATTN: Larry Nichols

Test Start: 2013.11.20 @ 10:11:45

GENERAL INFORMATION:Formation: **LKC - E & F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:53:00

Time Test Ended: 19:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 4389.00 ft (KB) To 4419.00 ft (KB) (TVD)

Total Depth: 4419.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

Reference Elevations: 3452.00 ft (KB)

3441.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8646 Fluid

Press@RunDepth: psig @ 4360.00 ft (KB)

Start Date: 2013.11.20 End Date: 2013.11.20

Start Time: 12:04:15 End Time: 21:35:15

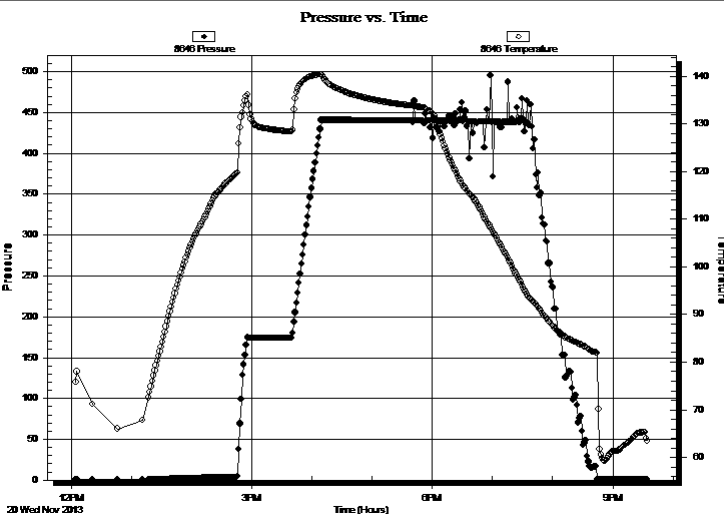
Capacity: 8000.00 psig

Last Calib.: 2013.11.20

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 5 min.
IS: No return.
FF: BOB @ 7 min.
IS: No return.

**PRESSURE SUMMARY**

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

Length (ft)	Description	Volume (bbl)
1020.00	smcw 2m 98 w	11.48

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McElvain Energy, Inc

14 6s 37w Sherman,KS

1050 17th St Ste 2500
Denver, CO 80265

Price #14-5

Job Ticket: 55608

DST#: 1

ATTN: Larry Nichols

Test Start: 2013.11.20 @ 10:11:45

Tool Information

Drill Pipe:	Length: 4078.00 ft	Diameter: 3.80 inches	Volume: 57.20 bbl	Tool Weight:	2500.00 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: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 58.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4389.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Recorder	0.00	8646	Fluid	4360.00	
Change Over Sub	1.00			4361.00	
Shut In Tool	5.00			4366.00	
Sampler	2.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	2.00			4380.00	
Packer	5.00			4385.00	29.00 Bottom Of Top Packer
Packer	4.00			4389.00	
Stubb	1.00			4390.00	
Recorder	0.00	8678	Inside	4390.00	
Recorder	0.00	8522	Outside	4390.00	
Perforations	26.00			4416.00	
Bullnose	3.00			4419.00	30.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy, Inc

14 6s 37w Sherman,KS

1050 17th St Ste 2500
Denver, CO 80265

Price #14-5

Job Ticket: 55608

DST#: 1

ATTN: Larry Nichols

Test Start: 2013.11.20 @ 10:11:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

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
1020.00	smcw 2m 98 w	11.484

Total Length: 1020.00 ft Total Volume: 11.484 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

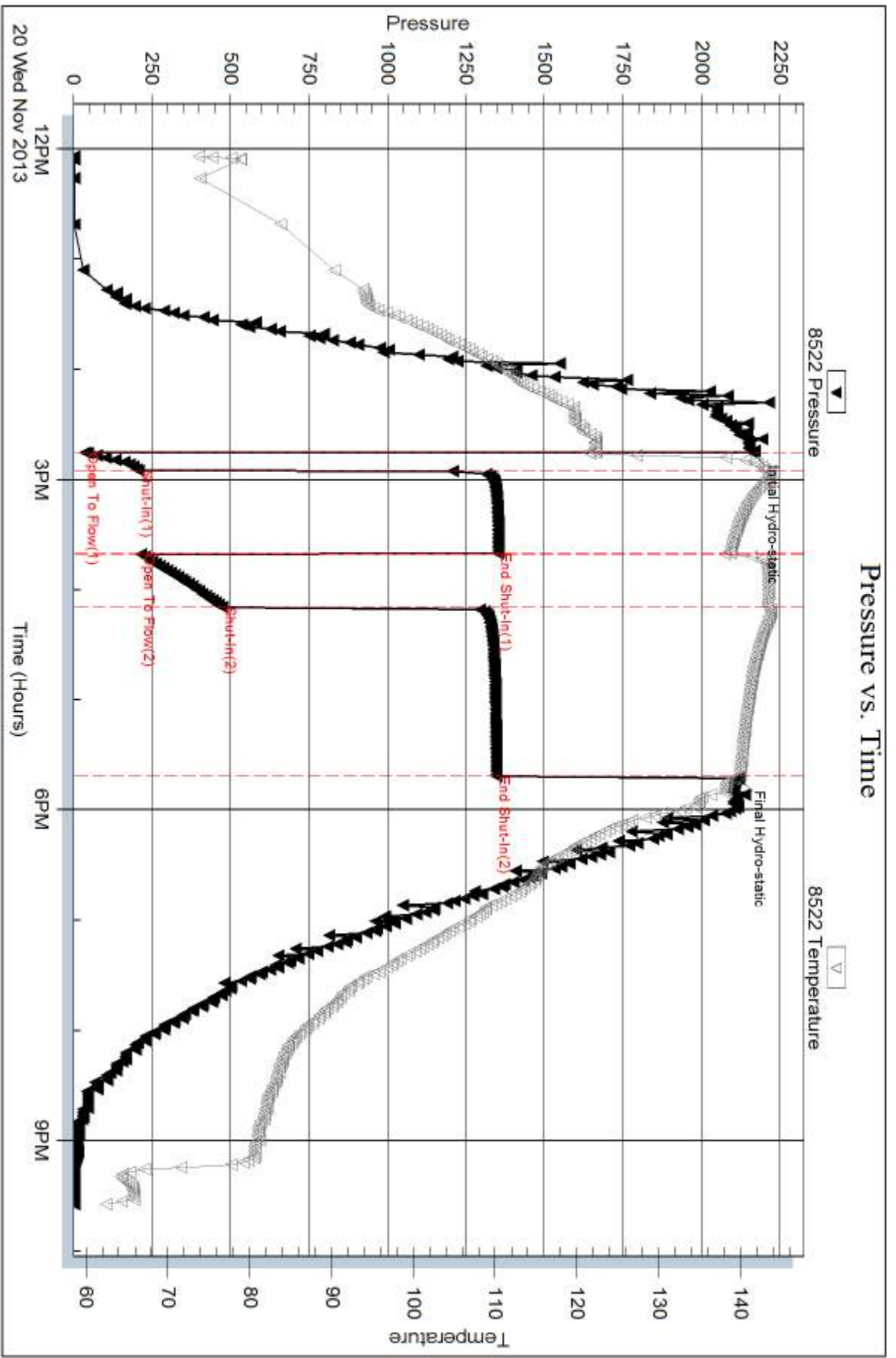
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .233 @ 50f = 45,000ppm

Sampler 2,000 ml w ater w oil spots - 100 psi



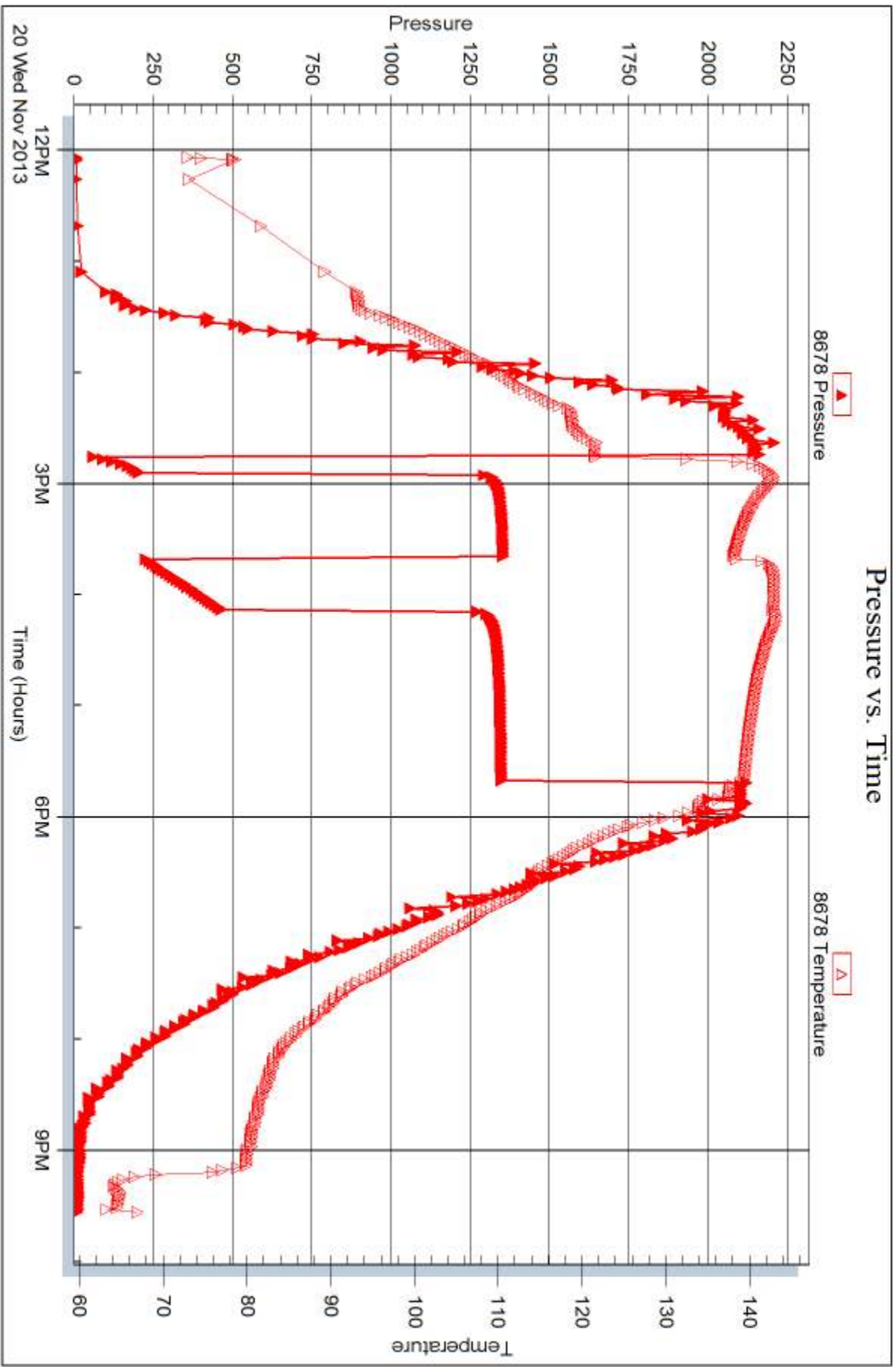
Serial #: 8678

Inside

McElvain Energy, Inc

Price #14-5

DST Test Number: 1



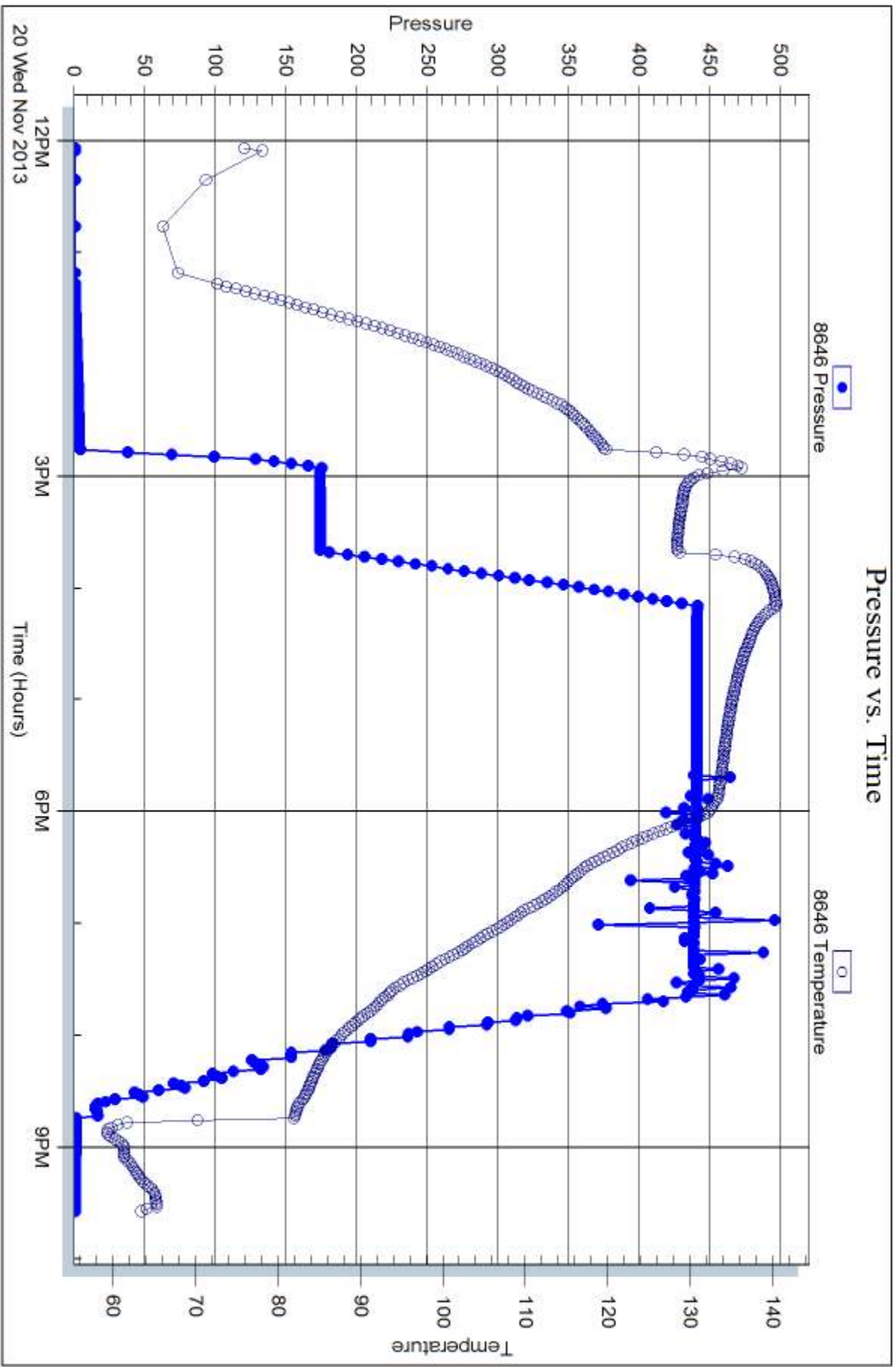
Serial #: 8646

Fluid

McBvain Energy, Inc

Price #14-5

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55608

Printed: 2013.11.25 @ 15:15:55



DRILL STEM TEST REPORT

Prepared For: **McElvain Energy, Inc**

1050 17th St Ste 2500
Denver, CO 80265

ATTN: Larry Nichols

Price #14-5

14 6s 37w Sherman,KS

Start Date: 2013.11.21 @ 12:16:00

End Date: 2013.11.21 @ 21:52:45

Job Ticket #: 55609 DST #: 2

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

Printed: 2013.11.25 @ 15:12:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

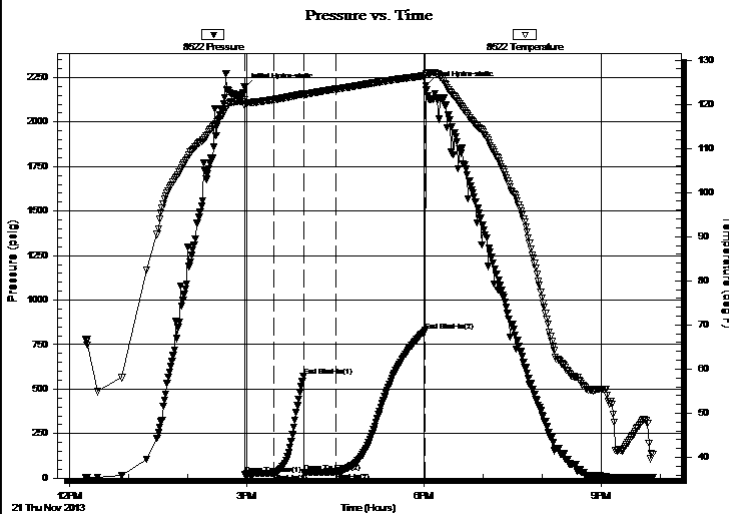
14 6s 37w Sherman, KS
Price #14-5
Job Ticket: 55609 **DST#: 2**
Test Start: 2013.11.21 @ 12:16:00

GENERAL INFORMATION:

Formation: **LKC- I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:58:00
Time Test Ended: 21:52:45
Interval: **4478.00 ft (KB) To 4513.00 ft (KB) (TVD)**
Total Depth: 4513.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69
Reference Elevations: 3452.00 ft (KB)
3441.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8522 Outside
Press@RunDepth: 34.07 psig @ 4479.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.21 End Date: 2013.11.21 Last Calib.: 2013.11.21
Start Time: 12:16:05 End Time: 21:52:45 Time On Btm: 2013.11.21 @ 14:57:45
Time Off Btm: 2013.11.21 @ 18:02:00

TEST COMMENT: IF: Surface blow , died @ 20 min.
IS: No return.
FF: No blow .
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.48	120.90	Initial Hydro-static
1	22.82	119.61	Open To Flow (1)
30	28.84	121.05	Shut-In(1)
60	573.54	122.33	End Shut-In(1)
61	31.02	122.09	Open To Flow (2)
93	34.07	123.41	Shut-In(2)
184	828.27	126.44	End Shut-In(2)
185	2203.91	126.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	socm 2o 98m	0.07

* Recovery from multiple tests

Gas Rates

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



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1050 17th St Ste 2500
Denver, CO 80265

ATTN: Larry Nichols

14 6s 37w Sherman,KS

Price #14-5

Job Ticket: 55609

DST#: 2

Test Start: 2013.11.21 @ 12:16:00

GENERAL INFORMATION:

Formation: **LKC- I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:58:00

Time Test Ended: 21:52:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4478.00 ft (KB) To 4513.00 ft (KB) (TVD)

Total Depth: 4513.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3452.00 ft (KB)

3441.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8678 Inside

Press@RunDepth: psig @ 4479.00 ft (KB)

Start Date: 2013.11.21

End Date:

2013.11.21

Start Time: 12:16:05

End Time:

21:51:15

Capacity: 8000.00 psig

Last Calib.:

2013.11.21

Time On Btm:

Time Off Btm:

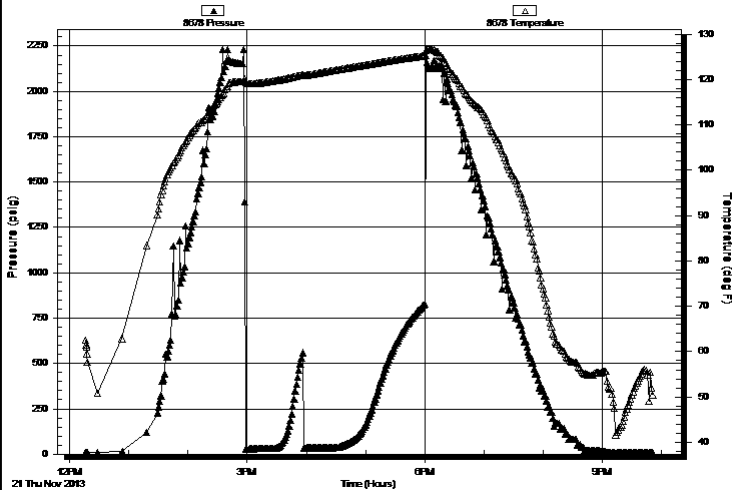
TEST COMMENT: IF: Surface blow, died @ 20 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	socm 2o 98m	0.07

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

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

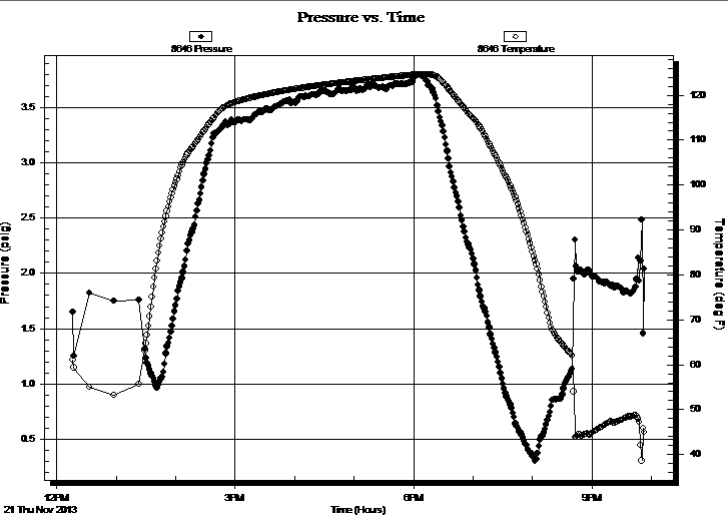
14 6s 37w Sherman,KS
Price #14-5
 Job Ticket: 55609 **DST#: 2**
 Test Start: 2013.11.21 @ 12:16:00

GENERAL INFORMATION:

Formation: **LKC- I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:58:00
 Time Test Ended: 21:52:45
 Interval: **4478.00 ft (KB) To 4513.00 ft (KB) (TVD)**
 Total Depth: 4513.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3452.00 ft (KB)
 3441.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8646 Fluid
 Press@RunDepth: psig @ 4449.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.21 End Date: 2013.11.21 Last Calib.: 2013.11.21
 Start Time: 12:16:15 End Time: 21:52:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Surface blow , died @ 20 min.
 IS: No return.
 FF: No blow .
 FS: No return.



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

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	socm 2o 98m	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

14 6s 37w Sherman,KS

1050 17th St Ste 2500
Denver, CO 80265

Price #14-5

Job Ticket: 55609

DST#: 2

ATTN: Larry Nichols

Test Start: 2013.11.21 @ 12:16:00

Tool Information

Drill Pipe:	Length: 4170.00 ft	Diameter: 3.80 inches	Volume: 58.49 bbl	Tool Weight:	2500.00 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: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 60.01 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4478.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	94.00 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	8646	Fluid	4449.00	
Change Over Sub	1.00			4450.00	
Shut In Tool	5.00			4455.00	
Sampler	2.00			4457.00	
Hydraulic tool	5.00			4462.00	
Jars	5.00			4467.00	
Safety Joint	2.00			4469.00	
Packer	5.00			4474.00	29.00 Bottom Of Top Packer
Packer	4.00			4478.00	
Stubb	1.00			4479.00	
Recorder	0.00	8678	Inside	4479.00	
Recorder	0.00	8522	Outside	4479.00	
Perforations	28.00			4507.00	
Change Over Sub	1.00			4508.00	
Drill Pipe	31.00			4539.00	
Change Over Sub	1.00			4540.00	
Bullnose	3.00			4543.00	65.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy, Inc

14 6s 37w Sherman,KS

1050 17th St Ste 2500
Denver, CO 80265

Price #14-5

Job Ticket: 55609

DST#: 2

ATTN: Larry Nichols

Test Start: 2013.11.21 @ 12:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	socm 2o 98m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

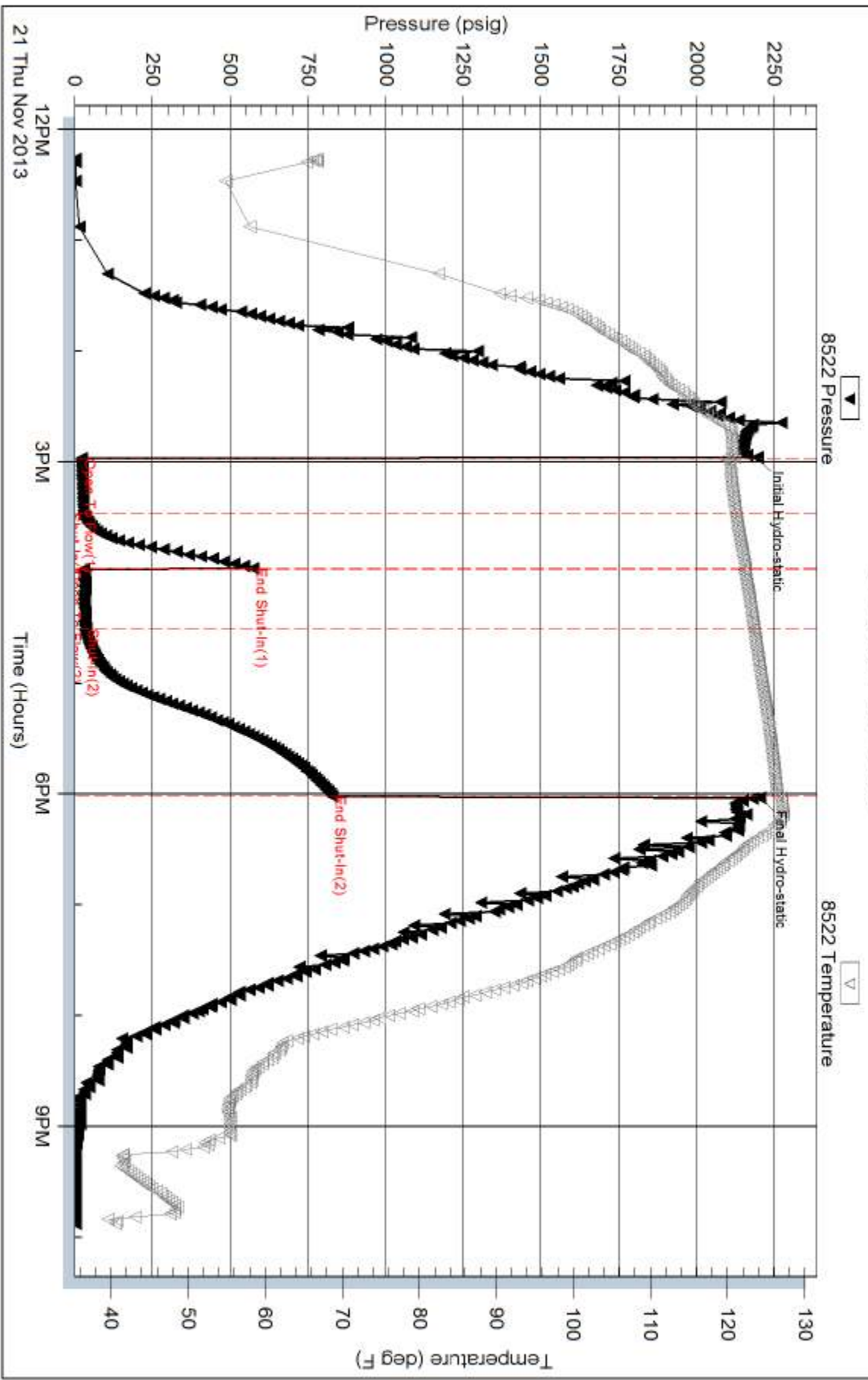
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 200ml oil 1800ml mud 20psi

Pressure vs. Time



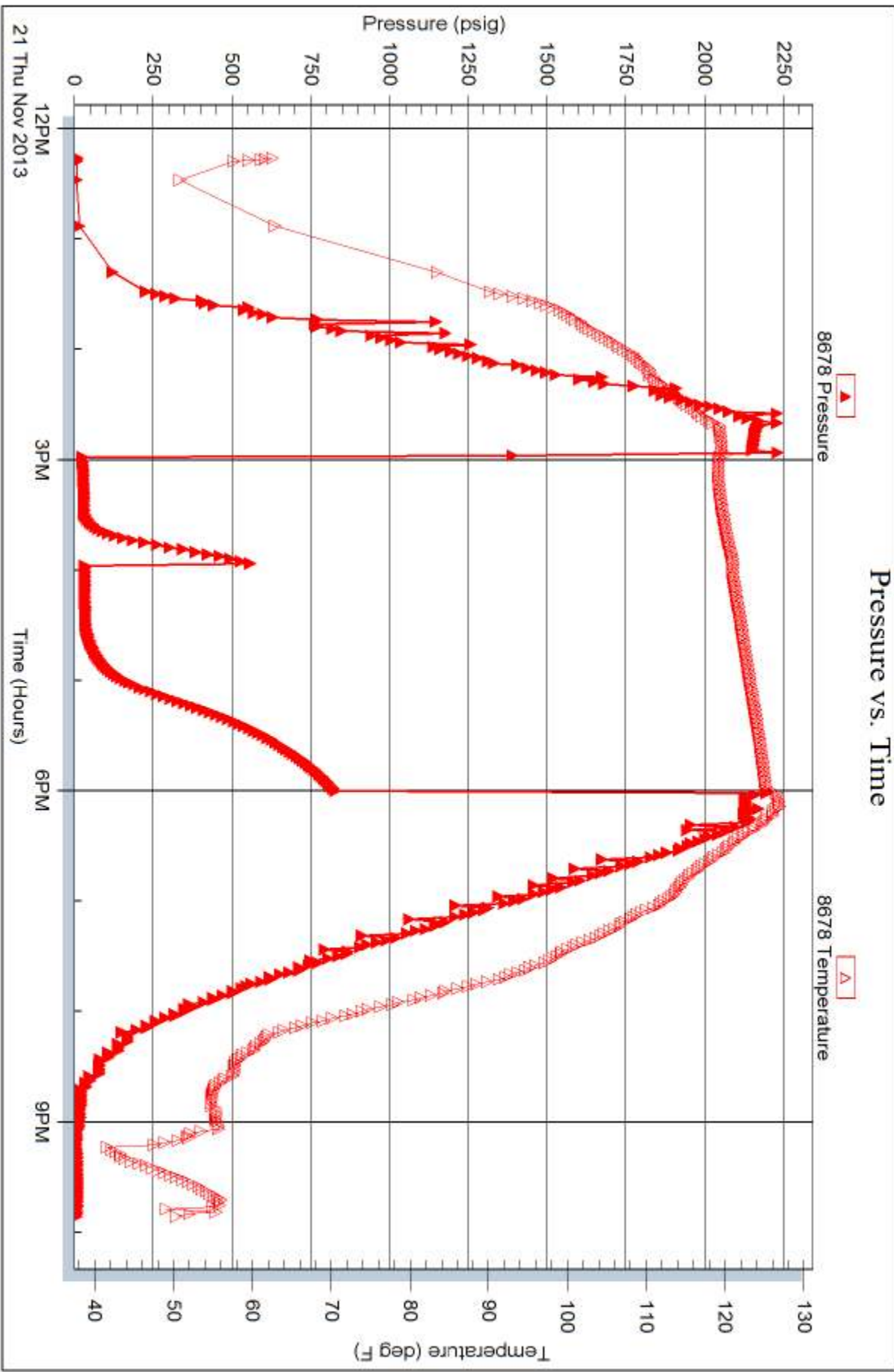
Serial #: 8678

Inside

McElvain Energy, Inc

Price #14-5

DST Test Number: 2



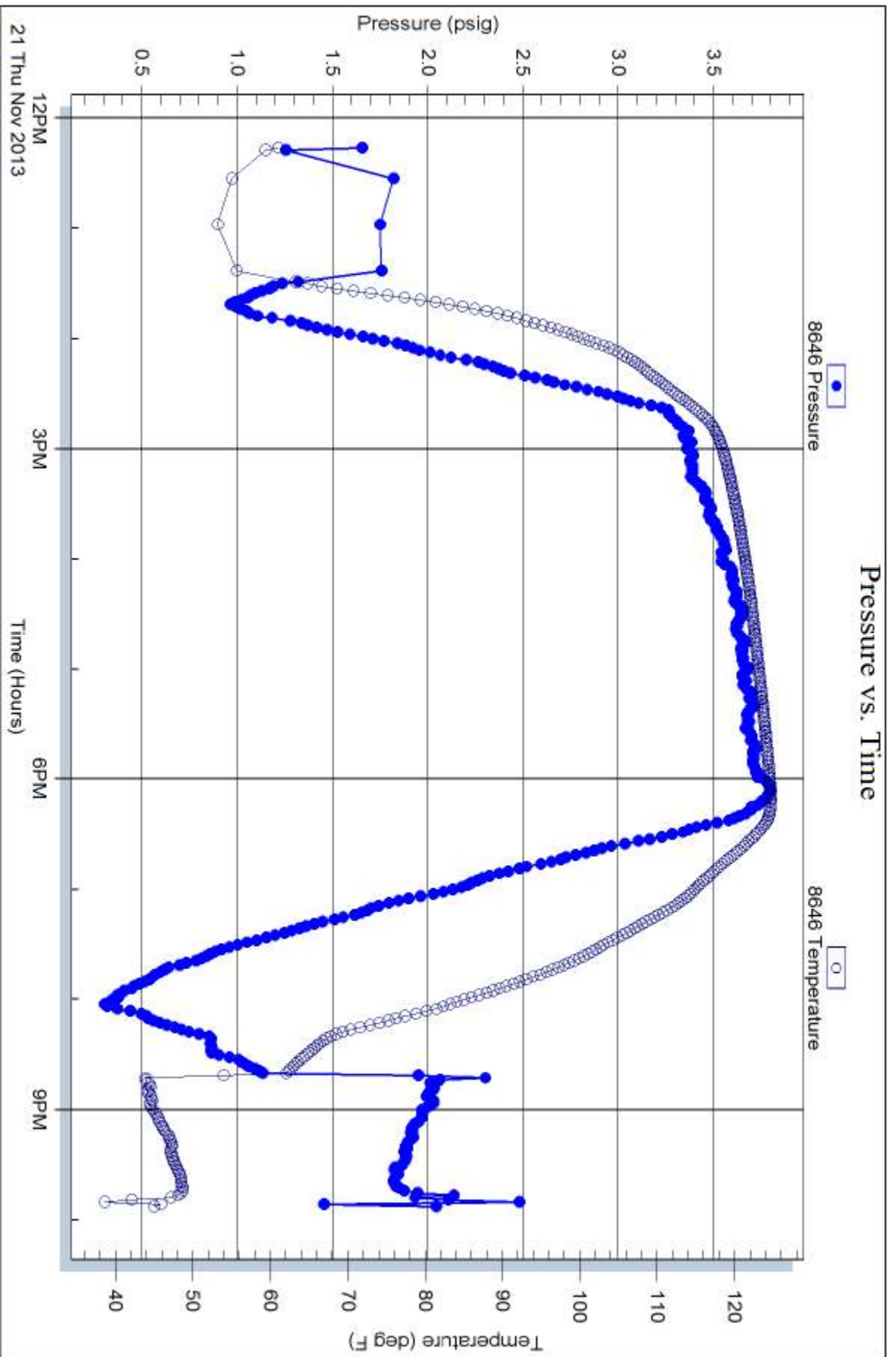
Serial #: 8646

Fluid

McEvain Energy, Inc

Price #14-5

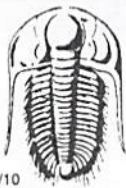
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55609

Printed: 2013.11.25 @ 15:12:38



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55608**

4/10

Well Name & No. Price 14-5 Test No. 1 Date 11/20/13
 Company McELvain Energy, Inc Elevation 3452 KB 3441 GL
 Address 1050 17th St Ste 2500 Denver, Co 80265
 Co. Rep / Geo. Jerry Nicholson Rig H12 #4
 Location: Sec. 14 Twp. 6S Rge. 37W Co. Sherman State Ks

Interval Tested 4389 - 4419 Zone Tested Lkc - E & F
 Anchor Length 30' Drill Pipe Run 4078 Mud Wt. 9.2
 Top Packer Depth 4394 Drill Collars Run 310 Vis 50
 Bottom Packer Depth 4389 Wt. Pipe Run Ø WL 7.2
 Total Depth 4419 Chlorides 2,000 ppm System LCM 1#

Blow Description IF: BOB @ 5 min.
IS: No return.
FF: BOB @ 7 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1020</u>	<u>S.m.c.w</u>		<u>98</u>	<u>2</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 1020 BHT 139 Gravity — API RW 233 @ 50 °F Chlorides 45,000 ppm

(A) Initial Hydrostatic <u>2161</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1100</u>
(B) First Initial Flow <u>38</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1204</u>
(C) First Final Flow <u>209</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1446</u>
(D) Initial Shut-In <u>1353</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>1741</u>
(E) Second Initial Flow <u>216</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2135</u>
(F) Second Final Flow <u>475</u>	<input checked="" type="checkbox"/> Mileage <u>130rt 201.50</u>	Comments
(G) Final Shut-In <u>1348</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>2119</u>	<input type="checkbox"/> Straddle	
Initial Open <u>10</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder <u>200</u>	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input checked="" type="checkbox"/> Accessibility <u>150</u>	Total <u>2626.50</u>
	Sub Total <u>2626.50</u>	MP/DST Disc't

Approved By Bobby Morales Our Representative [Signature]

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.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 55608 Date 11/20/13
 Company Name Mc Elvain Energy, Inc
 Lease Price 14-5 Test No. 1
 County Sherman Sec. 14 Twp. 6S Rng. 37W

SAMPLER RECOVERY

Gas _____ ML
 Oil Spots ~~ML~~
 Mud _____ ML
 Water 2,000 ML
 Other _____ ML
 Pressure 100 psi ~~ML~~
 Total _____ ML

PIT MUD ANALYSIS

Chlorides 2,000 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 50
 Mud Weight 9.2
 Filtrate 7.2
 Other Lcm 1 #

SAMPLER ANALYSIS

Resistivity 233 ohms @ 50 F
 Chlorides 45,000 ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity 233 ohms @ 50 F
 Chlorides 45,000 ppm.
MIDDLE
 Resistivity 11 ohms @ 11 F
 Chlorides _____ ppm.
BOTTOM
 Resistivity 11 ohms @ 11 F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55609

Well Name & No. Price 14-5 Test No. 2 Date 11/21/13
 Company McElvain, Energy, Inc Elevation 3492 KB 3441 GL
 Address 1050 17th St Ste 2500 Denver, Co 80265
 Co. Rep / Geo. Jerry Nicholson Rig H12 #4
 Location: Sec. 14 Twp. 6S Rge. 37W Co. Sherman State Ks

Interval Tested 4478 - 4513 Zone Tested LKC "I"
 Anchor Length 35' Drill Pipe Run 4170 Mud Wt. 9.3
 Top Packer Depth 4473 Drill Collars Run 310 Vis 56
 Bottom Packer Depth 4478 Wt. Pipe Run 0 WL 8.0
 Total Depth 4513 Chlorides 3,000 ppm System LCM 2#

Blow Description IF: Surface blow, died @ 20 min
ISI: No return
FF: No blow
FSI: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>5000</u>	<u>2</u>		<u>98</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 15 BHT 126 Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2194</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1100</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1216</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1459</u>
(D) Initial Shut-In <u>574</u>	<input checked="" type="checkbox"/> Circ Sub <u>NYC</u>	T-Pulled <u>1759</u>
(E) Second Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>2153</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>403</u>	Comments <u>H/T</u>
(G) Final Shut-In <u>828</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>Released @ 0850</u>
(H) Final Hydrostatic <u>2204</u>	<input type="checkbox"/> Straddle	<u>on 11/24/2013</u>

<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input checked="" type="checkbox"/> Ruined Shale Packer	<input checked="" type="checkbox"/> Ruined Packer <u>320</u>
<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies	Sub Total <u>800</u>
<input checked="" type="checkbox"/> Extra Recorder <u>200</u>	Total <u>3948</u>	MP/DST Disc't
<input type="checkbox"/> Day Standby <u>1d 18.5h</u>	Sub Total <u>2828</u>	
<input checked="" type="checkbox"/> Accessibility <u>150</u>		

Approved By Rodney Lozales Our Representative [Signature]

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.

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FLUID SAMPLER DATA

Ticket No. 55609 Date 11/21/13
 Company Name McElvain Energy, Inc
 Lease Price 14-5 Test No. 2
 County Sherman Sec. 14 Twp. 6S Rng. 37W

SAMPLER RECOVERY

Gas 0 ML
 Oil 200 ML
 Mud 1800 ML
 Water — ML
 Other — ML
 Pressure 20 PSI ML
 Total 2,000 ML

PIT MUD ANALYSIS

Chlorides 3,000 ppm.
 Resistivity — ohms @ — F
 Viscosity 56
 Mud Weight 9.3
 Filtrate 8.0
 Other LCM 2#

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.