



DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th st Ste 900
Denver, CO 80202-4420

ATTN: Gary Doke/ Jim Musgr

Mulville #15-B

18-20s-29w Lane,KS

Start Date: 2014.03.29 @ 14:45:29

End Date: 2014.03.29 @ 21:40:44

Job Ticket #: 56327 DST #: 1

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

Printed: 2014.04.03 @ 14:47:50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FIML Natural Resources

18-20s-29w Lane, KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56327

DST#: 1

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.29 @ 14:45:29

GENERAL INFORMATION:

Formation: **LKC L - Marmaton B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:31:14

Time Test Ended: 21:40:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

Interval: 4428.00 ft (KB) To 4526.00 ft (KB) (TVD)

Reference Elevations: 2900.00 ft (KB)

Total Depth: 4526.00 ft (KB) (TVD)

2889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 25.52 psig @ 4429.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.29

End Date:

2014.03.29

Last Calib.:

2014.03.29

Start Time: 14:45:29

End Time:

21:29:44

Time On Btm:

2014.03.29 @ 17:30:14

Time Off Btm:

2014.03.29 @ 19:46:59

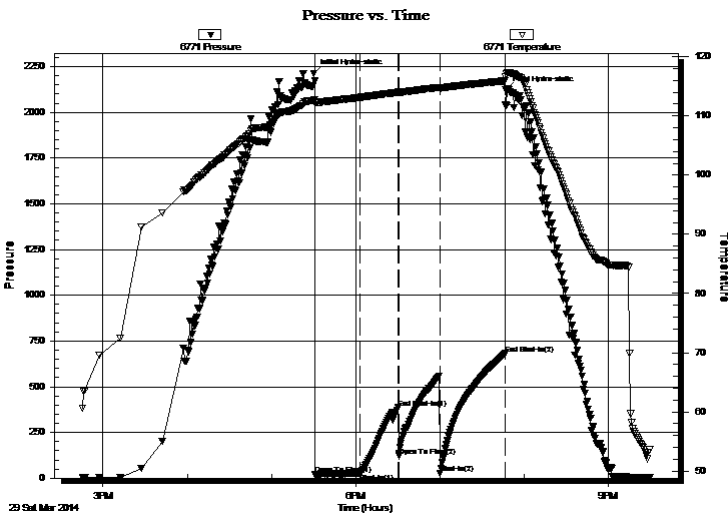
TEST COMMENT: 1/4" blow died in 20 min.

No return

No blow

No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.90	112.74	Initial Hydro-static
1	20.40	112.23	Open To Flow (1)
33	25.97	113.13	Shut-In(1)
60	384.58	114.00	End Shut-In(1)
61	121.88	113.93	Open To Flow (2)
90	25.52	114.66	Shut-In(2)
137	680.27	115.94	End Shut-In(2)
137	2122.03	116.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

18-20s-29w Lane,KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56327

DST#: 1

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.29 @ 14:45:29

Tool Information

Drill Pipe:	Length: 4057.00 ft	Diameter: 3.80 inches	Volume: 56.91 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: 371.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 58.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4428.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4409.00	
Shut In Tool	5.00			4414.00	
Hydraulic tool	5.00			4419.00	
Packer	5.00			4424.00	20.00 Bottom Of Top Packer
Packer	4.00			4428.00	
Stubb	1.00			4429.00	
Recorder	0.00	6771	Inside	4429.00	
Recorder	0.00	8844	Outside	4429.00	
Anchor	26.00			4455.00	
Change Over Sub	1.00			4456.00	
Drill Pipe	64.00			4520.00	
Change Over Sub	1.00			4521.00	
Bullnose	5.00			4526.00	98.00 Bottom Packers & Anchor

Total Tool Length: 118.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

18-20s-29w Lane, KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56327

DST#: 1

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.29 @ 14:45:29

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

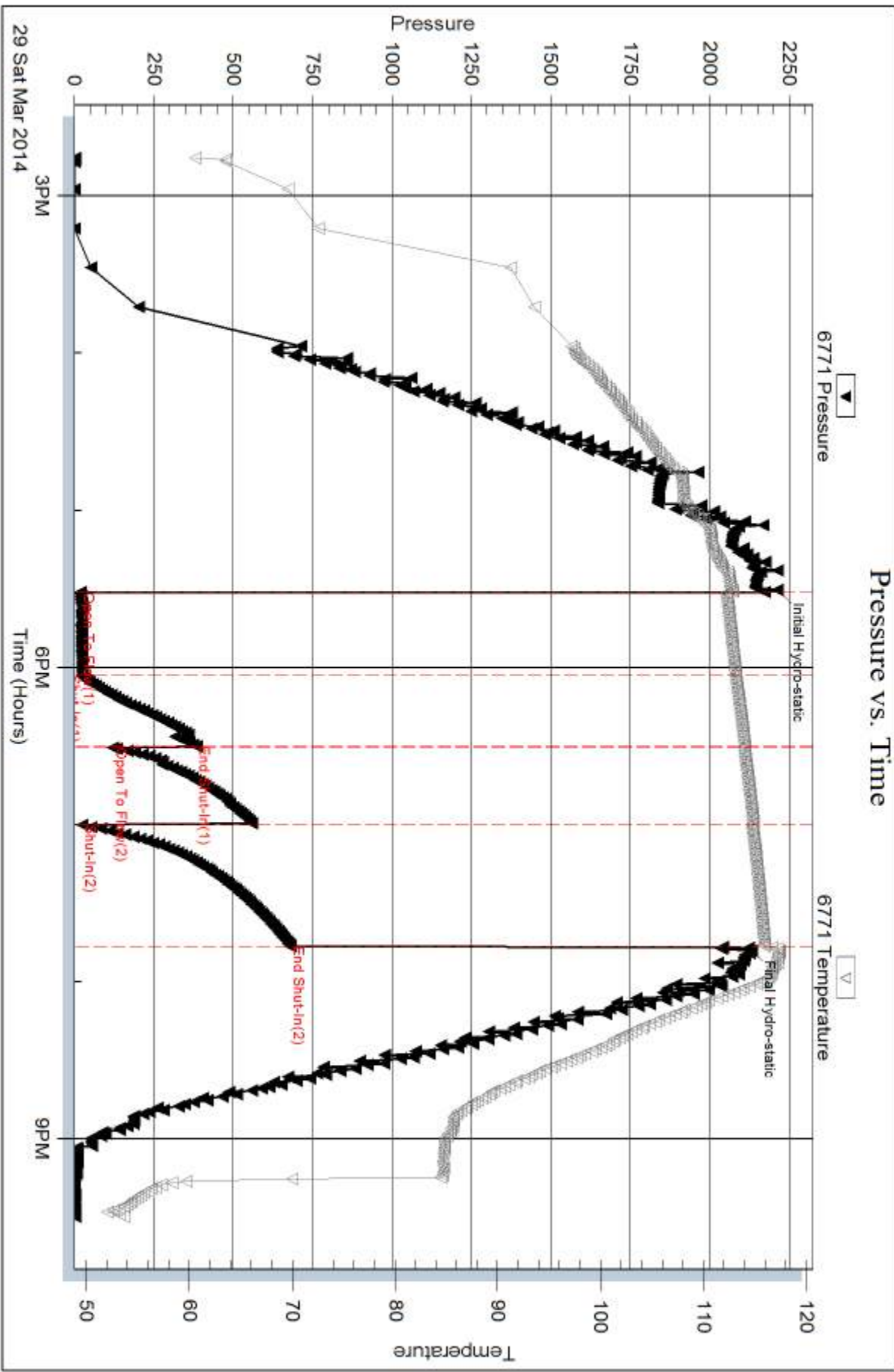
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

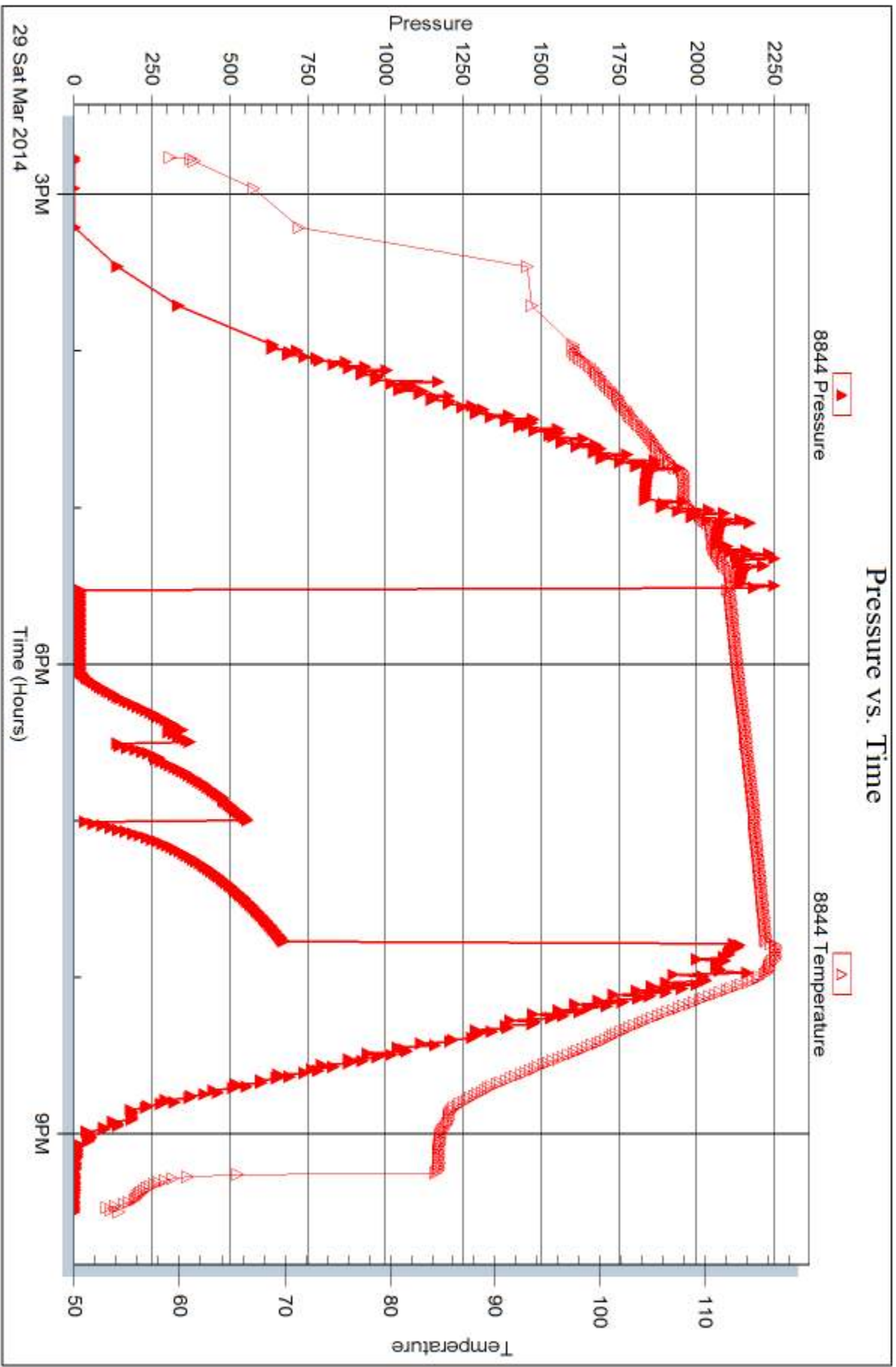


Serial #: 8844

Outside FIML Natural Resources

Mulville #15-B

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56327

Printed: 2014.04.03 @ 14:47:53



DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th st Ste 900
Denver, CO 80202-4420

ATTN: Gary Doke/ Jim Musgr

Mulville #15-B

18-20s-29w Lane,KS

Start Date: 2014.03.30 @ 10:00:44

End Date: 2014.03.30 @ 16:26:29

Job Ticket #: 56328 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FIML Natural Resources

18-20s-29w Lane, KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56328

DST#: 2

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.30 @ 10:00:44

GENERAL INFORMATION:

Formation: **Pawnee - Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:01:29
 Time Test Ended: 16:26:29
 Interval: **4530.00 ft (KB) To 4620.00 ft (KB) (TVD)**
 Total Depth: 4620.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2900.00 ft (KB)
 2889.00 ft (CF)
 KB to GR/CF: 11.00 ft

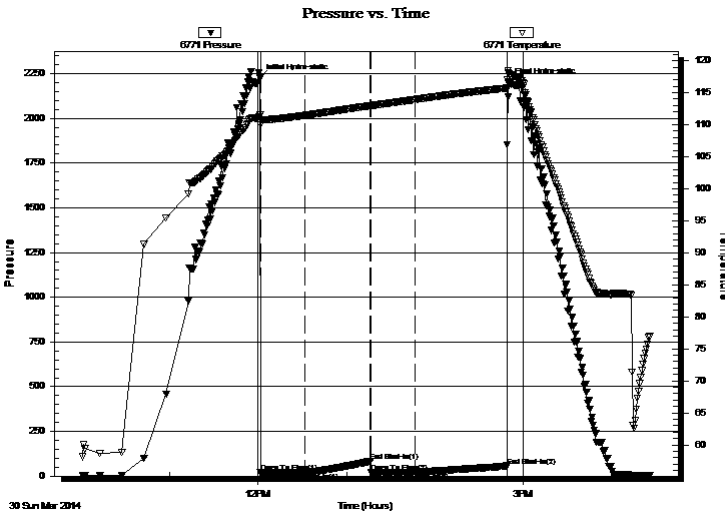
Serial #: 6771

Inside

Press@RunDepth: 20.70 psig @ 4531.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.30 End Date: 2014.03.30 Last Calib.: 2014.03.30
 Start Time: 10:00:44 End Time: 16:26:29 Time On Btm: 2014.03.30 @ 12:01:14
 Time Off Btm: 2014.03.30 @ 14:49:44

TEST COMMENT: 1/4" blow died back to a surface blow
 No return
 Bubble to open tool ,No blow
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.70	111.50	Initial Hydro-static
1	19.25	109.97	Open To Flow (1)
31	18.75	111.45	Shut-In(1)
75	83.56	112.97	End Shut-In(1)
76	20.24	112.95	Open To Flow (2)
106	20.70	113.93	Shut-In(2)
168	56.83	115.71	End Shut-In(2)
169	2198.03	118.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

18-20s-29w Lane,KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56328

DST#: 2

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.30 @ 10:00:44

Tool Information

Drill Pipe:	Length: 4151.00 ft	Diameter: 3.80 inches	Volume: 58.23 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: 371.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 60.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4530.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4511.00	
Shut In Tool	5.00			4516.00	
Hydraulic tool	5.00			4521.00	
Packer	5.00			4526.00	20.00 Bottom Of Top Packer
Packer	4.00			4530.00	
Stubb	1.00			4531.00	
Recorder	0.00	6771	Inside	4531.00	
Recorder	0.00	8844	Outside	4531.00	
Anchor	18.00			4549.00	
Change Over Sub	1.00			4550.00	
Drill Pipe	64.00			4614.00	
Change Over Sub	1.00			4615.00	
Bullnose	5.00			4620.00	90.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

18-20s-29w Lane, KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56328

DST#: 2

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.30 @ 10:00:44

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

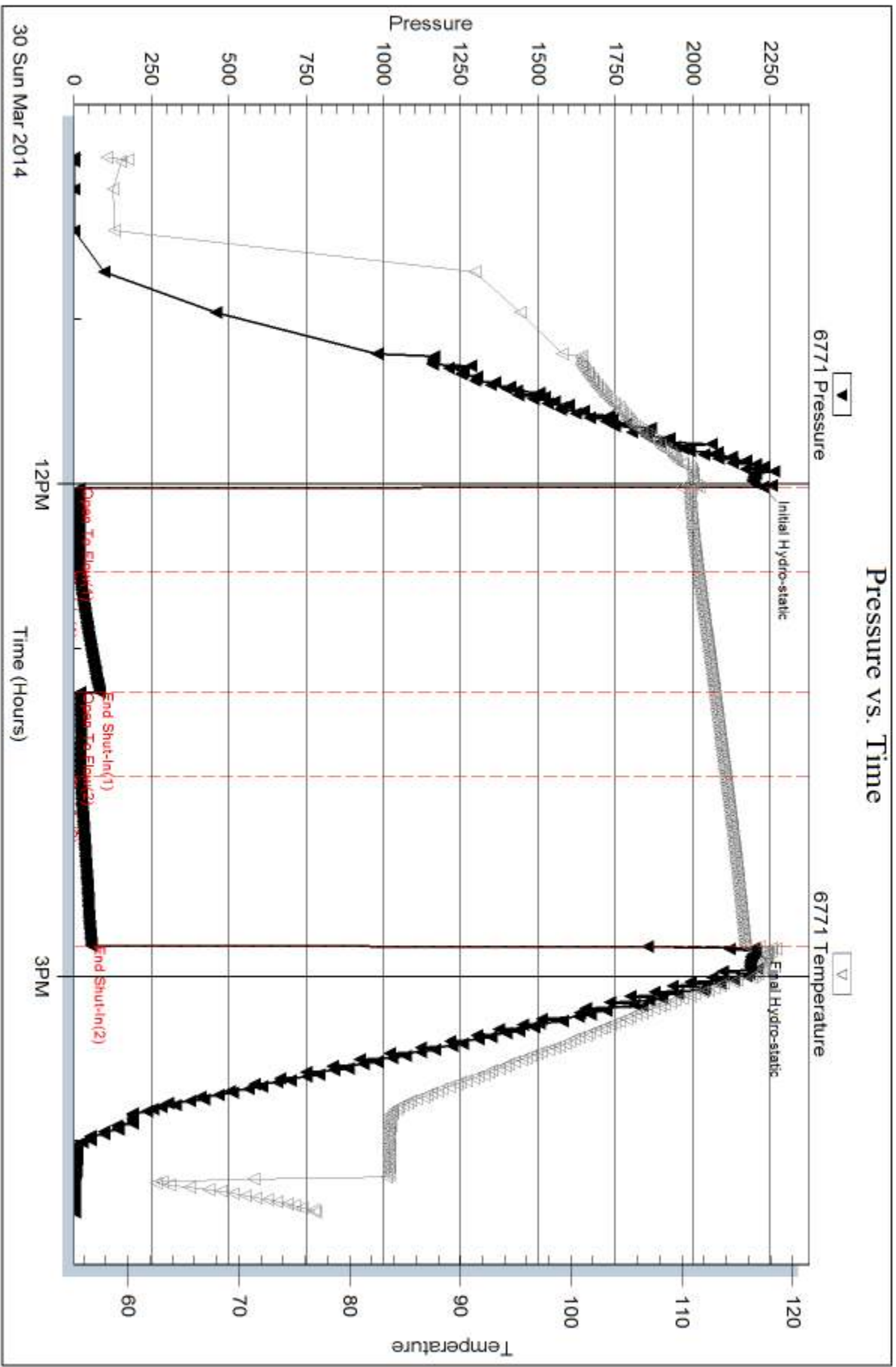
Num Gas Bombs: 0

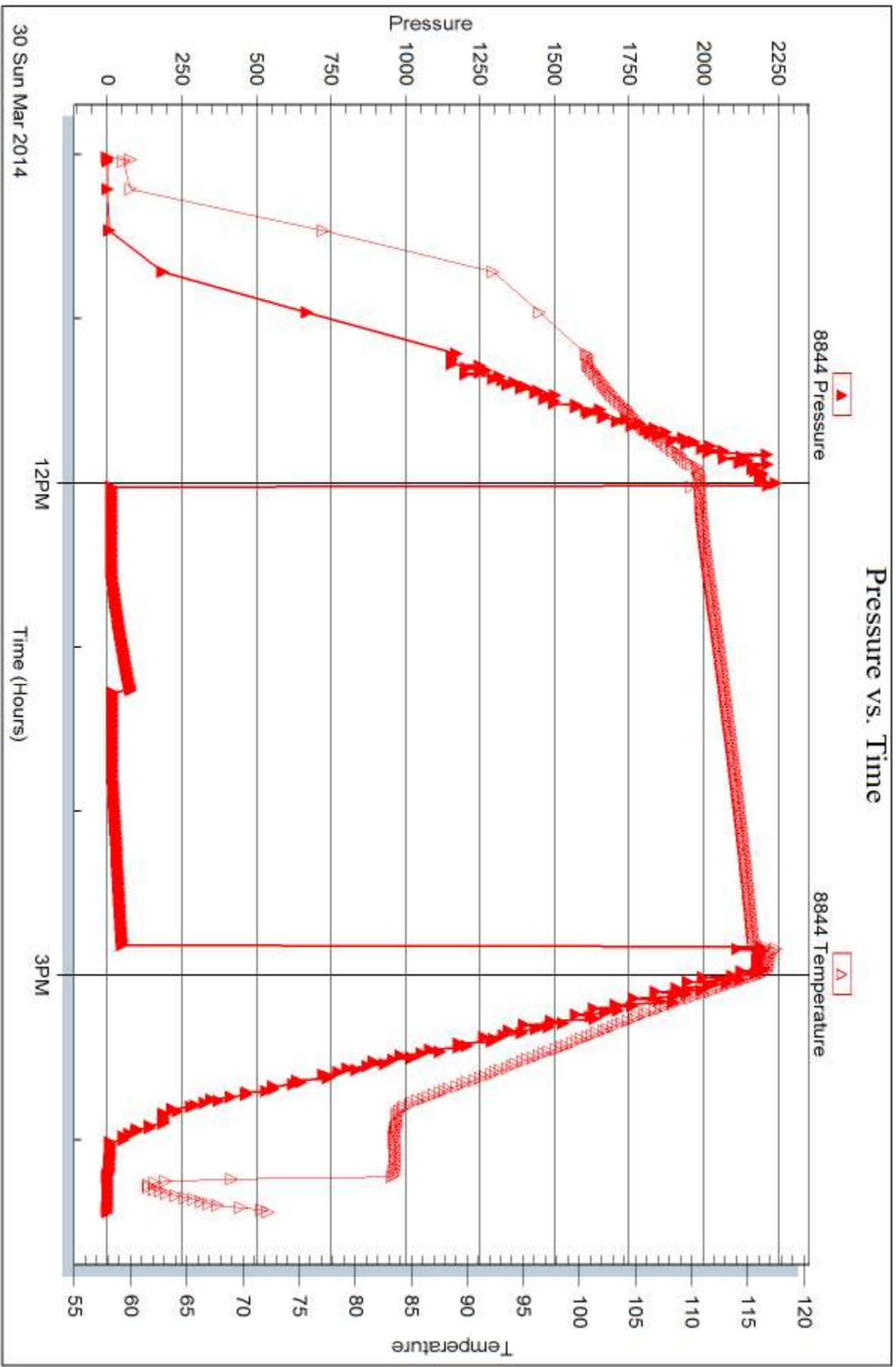
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th st Ste 900
Denver, CO 80202-4420

ATTN: Gary Doke/ Jim Musgr

Mulville #15-B

18-20s-29w Lane,KS

Start Date: 2014.03.31 @ 05:16:03

End Date: 2014.03.31 @ 11:55:33

Job Ticket #: 56329 DST #: 3

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

Printed: 2014.04.03 @ 14:41:14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FIML Natural Resources

18-20s-29w Lane, KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56329

DST#: 3

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.31 @ 05:16:03

GENERAL INFORMATION:

Formation: **Johnson -Miss-Sperge**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:25:18

Time Test Ended: 11:55:33

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4620.00 ft (KB) To 4690.00 ft (KB) (TVD)

Reference Elevations: 2900.00 ft (KB)

Total Depth: 4690.00 ft (KB) (TVD)

2889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 33.11 psig @ 4621.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.31

End Date:

2014.03.31

Last Calib.:

2014.03.31

Start Time: 05:16:03

End Time:

11:35:33

Time On Btm:

2014.03.31 @ 07:24:48

Time Off Btm:

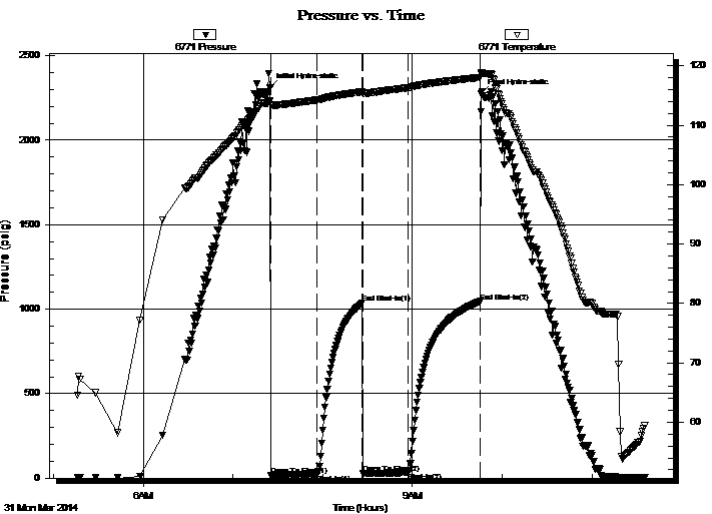
2014.03.31 @ 09:46:03

TEST COMMENT: 1/4" blow @ open died in 23 min.

No return

Bubble to open tool, No blow

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2309.70	114.05	Initial Hydro-static
1	18.08	113.39	Open To Flow (1)
32	24.70	114.26	Shut-In(1)
62	1034.41	115.64	End Shut-In(1)
62	26.28	115.30	Open To Flow (2)
93	33.11	116.33	Shut-In(2)
141	1044.71	118.04	End Shut-In(2)
142	2277.63	118.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

18-20s-29w Lane,KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56329

DST#: 3

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.31 @ 05:16:03

Tool Information

Drill Pipe:	Length: 4247.00 ft	Diameter: 3.80 inches	Volume: 59.57 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: 371.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 61.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4620.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4601.00	
Shut In Tool	5.00			4606.00	
Hydraulic tool	5.00			4611.00	
Packer	5.00			4616.00	20.00 Bottom Of Top Packer
Packer	4.00			4620.00	
Stubb	1.00			4621.00	
Recorder	0.00	6771	Inside	4621.00	
Recorder	0.00	8844	Outside	4621.00	
Anchor	30.00			4651.00	
Change Over Sub	1.00			4652.00	
Drill Pipe	32.00			4684.00	
Change Over Sub	1.00			4685.00	
Bullnose	5.00			4690.00	70.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

18-20s-29w Lane, KS

410 17th st Ste 900
Denver, CO 80202-4420

Mulville #15-B

Job Ticket: 56329

DST#: 3

ATTN: Gary Doke/ Jim Musgr

Test Start: 2014.03.31 @ 05:16:03

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

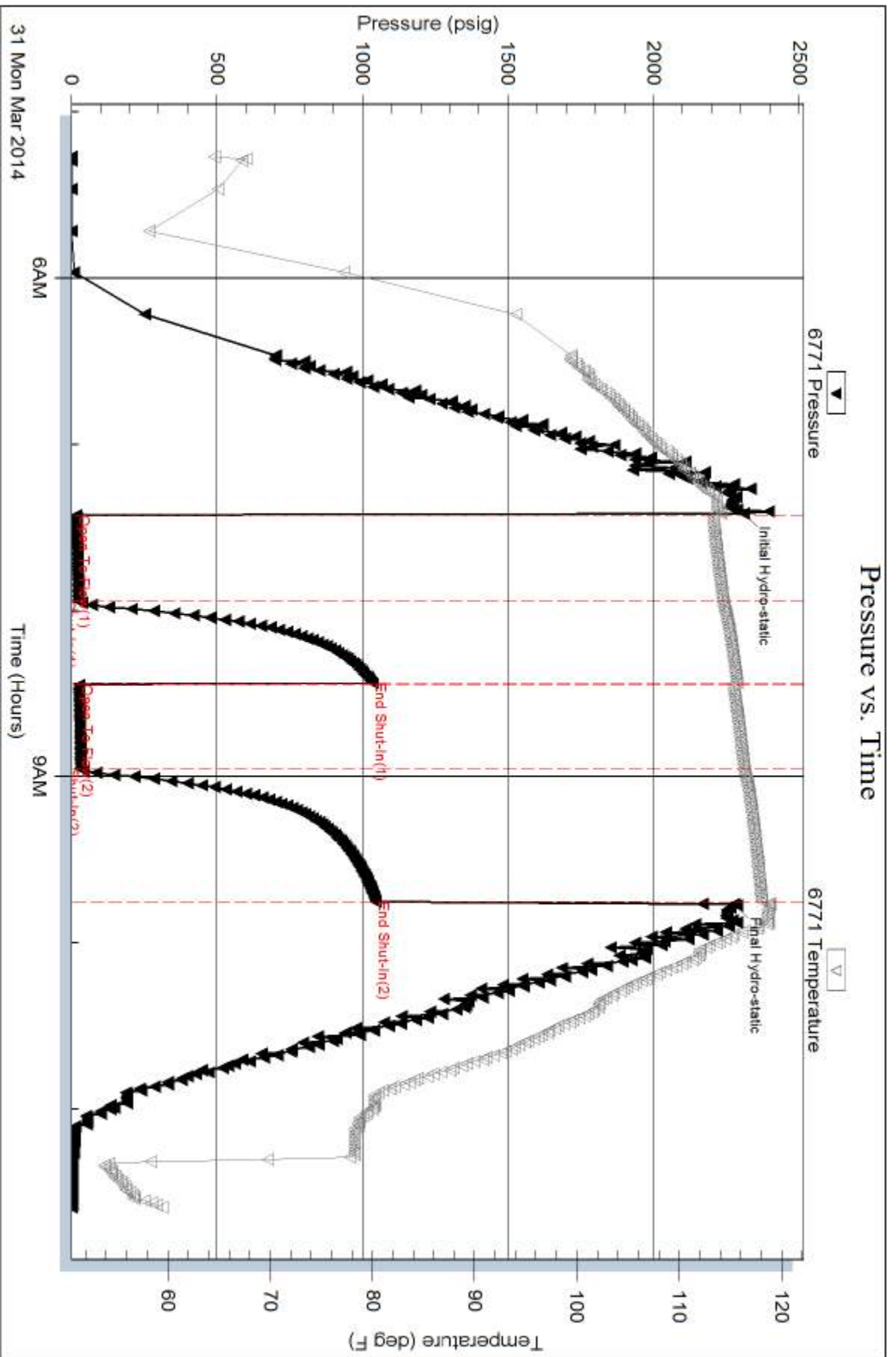
Num Gas Bombs: 0

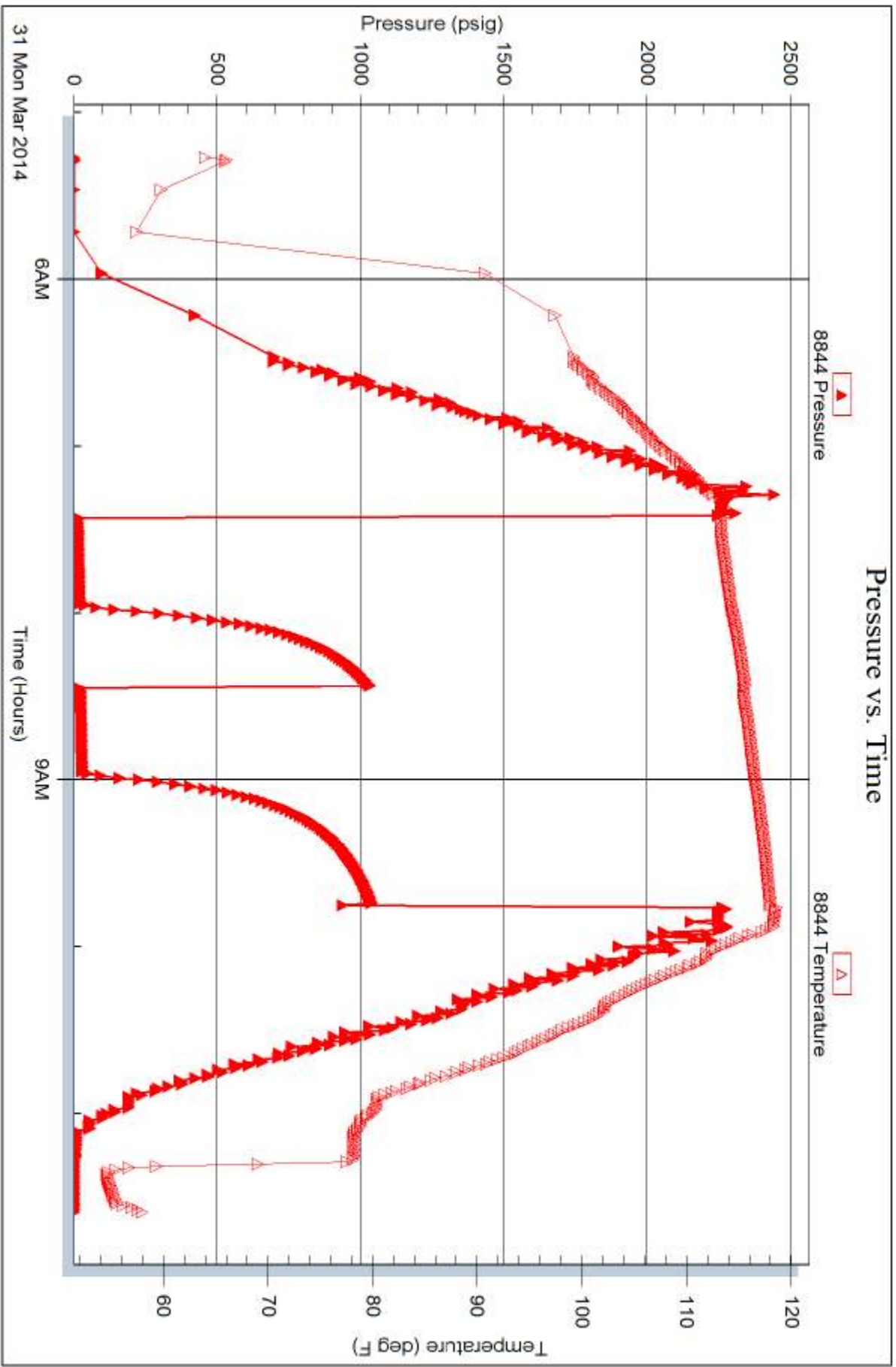
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56327

Well Name & No. Medville #15-B Test No. #1 Date 3/29/14
 Company FIMH Natural Resources Elevation 2900' KB 2889' GL
 Address 410 17th St Ste 900 Denver, Colo 80202-4420
 Co. Rep / Geo. Gary Duke / S.M. Magrann Rig H² #1
 Location: Sec. 18 Twp. 20 Rge. 29 Co. Lane State Ks

Interval Tested 4428 4526 Zone Tested "L" - Marmaton "A-B"
 Anchor Length 98 Drill Pipe Run 4057' Mud Wt. 9.1
 Top Packer Depth 4423 Drill Collars Run 371' Vis 52
 Bottom Packer Depth 4428 Wt. Pipe Run _____ WL 4.8
 Total Depth 4526 Chlorides 4200 ppm System LCM #3

Blow Description 1/4" blow died in 20 min
No return
No blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</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 117° Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2211 Test 1250 T-On Location 14:15
 (B) First Initial Flow 20 Jars _____ T-Started 14:45
 (C) First Final Flow 25 Safety Joint _____ T-Open 17:30
 (D) Initial Shut-In 384 Circ Sub N/C T-Pulled 19:45
 (E) Second Initial Flow 121 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 25 Mileage 48 RT 1.55 105.40 Comments _____
 (G) Final Shut-In 680 Sampler _____
 (H) Final Hydrostatic 2122 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1505.40
 Final Shut-In 45 Accessibility \$ 150.00 MP/DST Disc't _____
 Sub Total 1505.40

Approved By [Signature] 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56328**

4/10

Well Name & No. Malville #15-B Test No. #2 Date 3/30/14
 Company FIML Natural Resources Elevation 2900 KB 2889 GL
 Address 410 17th St. #900 Denver, Colo 80202-4420
 Co. Rep / Geo Gary Duke / Ben Magrune Rig H2 #1
 Location: Sec. 18 Twp. 20 Rge. 29 Co. Lane State Ks

Interval Tested 4530 4620 Zone Tested Pawnee Max Station, H Scott
 Anchor Length 90 Drill Pipe Run 4151' Mud Wt. 9.1
 Top Packer Depth 4525 Drill Collars Run 371' Vis 52
 Bottom Packer Depth 4530 Wt. Pipe Run --- WL 6.8
 Total Depth 4620 Chlorides 4200 ppm System LCM #3
 Blow Description 1/4" blow dried back to a surface blow
No return
Bubble to open tool, No blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>Mud</u>			<u>100</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 5' BHT 118° Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2224</u>	<input checked="" type="checkbox"/> Test <u>\$1250.00</u>	T-On Location <u>09:45</u>
(B) First Initial Flow <u>19</u>	<input type="checkbox"/> Jars	T-Started <u>10:00</u>
(C) First Final Flow <u>18</u>	<input type="checkbox"/> Safety Joint	T-Open <u>11:58</u>
(D) Initial Shut-In <u>83</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/K</u>	T-Pulled <u>14:43</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>68 RT \$105.40</u>	Comments
(G) Final Shut-In <u>56</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2198</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
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1505.40</u>
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Accessibility <u>\$150.00</u>	MP/DST Disc't
Final Shut-In <u>60</u>	Sub Total <u>1505.40</u>	

Approved By [Signature]

Our Representative _____

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

Test Ticket

NO. 56329

Well Name & No. Melville #15-B Test No. #3 Date 3/31/14
 Company FIML Natural Resources Elevation 2900 KB 2889 GL
 Address 410 17th Ste 900 Denver Colo 80202-4420
 Co. Rep / Geo. Sary Duke / Jim Musgrave Rig H2#1
 Location: Sec. 18 Twp. 20 Rge. 29 Co. Lane State Ks

Interval Tested 4620 4690 Zone Tested Johnson - Miss Spergen
 Anchor Length 70 Drill Pipe Run 4247 Mud Wt. 9.3
 Top Packer Depth 4615 Drill Collars Run 371' Vis 48
 Bottom Packer Depth 4620 Wt. Pipe Run WL 7.2
 Total Depth 4690 Chlorides 3200 ppm System LCM #2

Blow Description 1/4" @ open died on 23 min
No return
Bubble to open tool No blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>Mud</u>			<u>100</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 119° Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 2309 Test \$ 1250.00 T-On Location 05:00
 (B) First Initial Flow 18 Jars T-Started 05:15
 (C) First Final Flow 24 Safety Joint T-Open 07:24
 (D) Initial Shut-In 1034 Circ Sub N/C T-Pulled 09:39
 (E) Second Initial Flow 26 Hourly Standby T-Out 11:55
 (F) Second Final Flow 33 Mileage 68.00 \$ 105.40 Comments
 (G) Final Shut-In 1044 Sampler
 (H) Final Hydrostatic 2277 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1505.40
 Accessibility \$ 150.00 MP/DST Disc't
 Sub Total 1505.40

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Approved By [Signature] Our Representative [Signature]

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