



DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

370 W. Wichita Ave.
Russell KS 67665

ATTN: Austin Klaus

Mishler F #2

15-17s-25w Ness,KS

Start Date: 2013.06.03 @ 15:55:00

End Date: 2013.06.03 @ 23:47:30

Job Ticket #: 53888 DST #: 1

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

Printed: 2013.06.07 @ 10:03:12

John O Farmer, Inc.
15-17s-25w Ness, KS
Mishler F #2
DST # 1
Ft. Scott
2013.06.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53888

DST#: 1

ATTN: Austin Klaus

Test Start: 2013.06.03 @ 15:55:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:45:30

Time Test Ended: 23:47:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 4295.00 ft (KB) To 4345.00 ft (KB) (TVD)

Reference Elevations: 2458.00 ft (KB)

Total Depth: 4345.00 ft (KB) (TVD)

2450.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8319 Outside

Press @ Run Depth: 31.45 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.03

End Date: 2013.06.03

Last Calib.: 2013.06.03

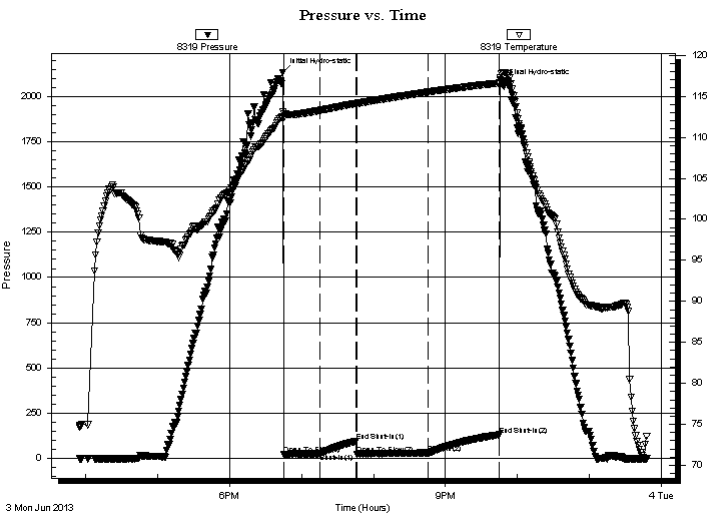
Start Time: 15:55:05

End Time: 23:47:29

Time On Btm: 2013.06.03 @ 18:44:30

Time Off Btm: 2013.06.03 @ 21:47:00

TEST COMMENT: IF-1 1/2" blow
ISI-No blow
FF-5 1/2" blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.67	113.05	Initial Hydro-static
1	21.59	112.47	Open To Flow (1)
31	27.54	113.26	Shut-In(1)
61	95.56	114.13	End Shut-In(1)
62	25.15	114.14	Open To Flow (2)
121	31.45	115.52	Shut-In(2)
180	131.35	116.61	End Shut-In(2)
183	2071.35	117.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 5%O 95%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53888

DST#: 1

ATTN: Austin Klaus

Test Start: 2013.06.03 @ 15:55:00

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: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4295.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	78.00 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			4268.00	
Shut In Tool	5.00			4273.00	
Hydraulic tool	5.00			4278.00	
Jars	5.00			4283.00	
Safety Joint	2.00			4285.00	
Packer	5.00			4290.00	28.00 Bottom Of Top Packer
Packer	5.00			4295.00	
Stubb	1.00			4296.00	
Recorder	0.00	8166	Inside	4296.00	
Recorder	0.00	8319	Outside	4296.00	
Perforations	9.00			4305.00	
Change Over Sub	1.00			4306.00	
Blank Spacing	32.00			4338.00	
Change Over Sub	1.00			4339.00	
Perforations	3.00			4342.00	
Bullnose	3.00			4345.00	50.00 Bottom Packers & Anchor
Total Tool Length:	78.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53888

DST#: 1

ATTN: Austin Klaus

Test Start: 2013.06.03 @ 15:55:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.08 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 bbl
5.00	VSOCM 5%O 95%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

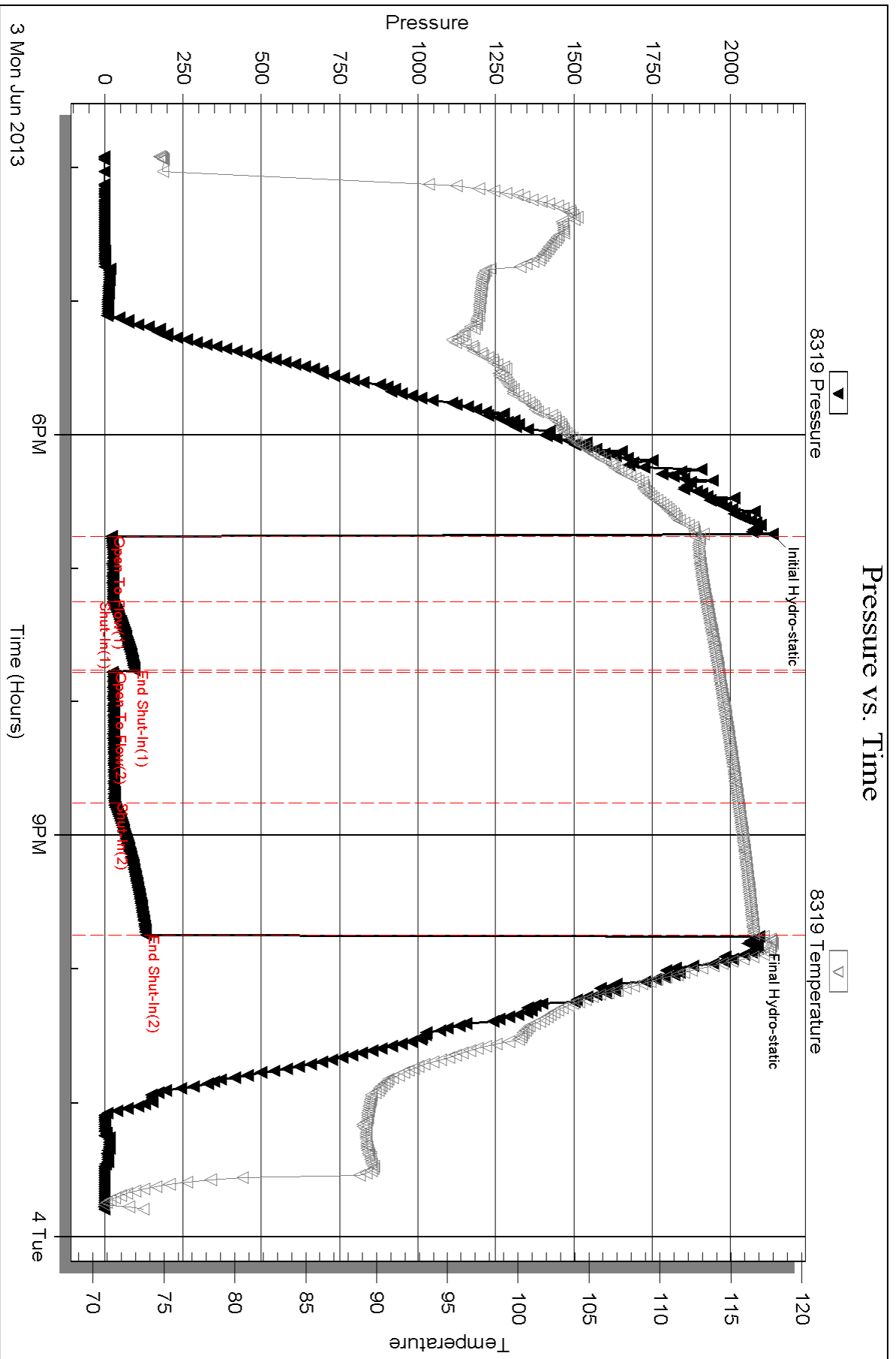
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



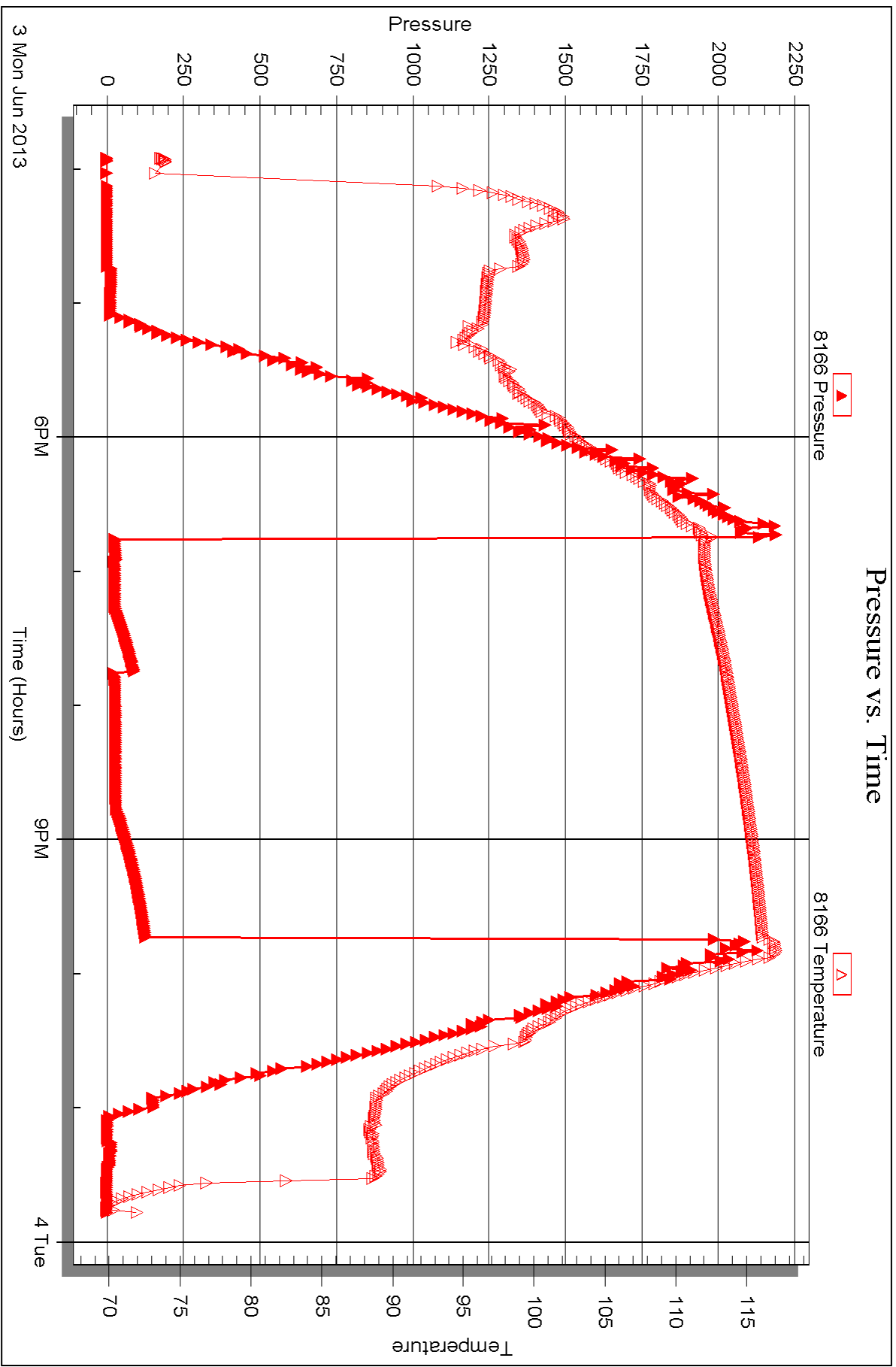
Serial #: 8166

Inside

John O Farmer, Inc.

Mshler F #2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53888

Printed: 2013.06.07 @ 10:03:16



DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

370 W. Wichita Ave.
Russell KS 67665

ATTN: Austin Klaus

Mishler F #2

15-17s-25w Ness, KS

Start Date: 2013.06.04 @ 17:30:00

End Date: 2013.06.05 @ 02:48:00

Job Ticket #: 53889 DST #: 2

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

Printed: 2013.06.07 @ 10:02:17

John O Farmer, Inc. 15-17s-25w Ness, KS Mishler F #2 DST # 2 Miss 2013.06.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

ATTN: Austin Klaus

Job Ticket: 53889

DST#: 2

Test Start: 2013.06.04 @ 17:30:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:59:30

Time Test Ended: 02:48:00

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 4419.00 ft (KB) To 4435.00 ft (KB) (TVD)

Reference Elevations: 2458.00 ft (KB)

Total Depth: 4490.00 ft (KB) (TVD)

2450.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8319 Inside

Press @ Run Depth: 187.97 psig @ 4431.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.04

End Date:

2013.06.05

Last Calib.: 2013.06.05

Start Time: 17:30:05

End Time:

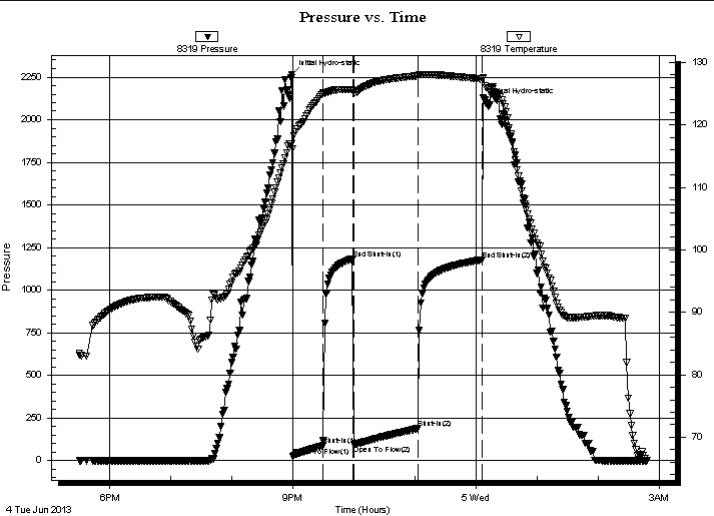
02:48:00

Time On Btm: 2013.06.04 @ 20:58:30

Time Off Btm: 2013.06.05 @ 00:09:30

TEST COMMENT: IF-BOB in 20 min
ISI-1/4" blow
FF-BOB in 29 min
FSI-1/2" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.76	117.01	Initial Hydro-static
1	24.75	116.17	Open To Flow (1)
31	87.12	125.00	Shut-In(1)
60	1183.00	125.70	End Shut-In(1)
61	91.98	125.41	Open To Flow (2)
124	187.97	127.86	Shut-In(2)
188	1177.80	127.35	End Shut-In(2)
191	2100.58	126.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	Water	1.69
120.00	V SOMCW 5%O 60%W 35%M	1.68
60.00	V SWOCM 20%O 10%W 70%M	0.84
90.00	SGO 15%G 85%O	1.26
0.00	150ft GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53889

DST#: 2

ATTN: Austin Klaus

Test Start: 2013.06.04 @ 17:30:00

Tool Information

Drill Pipe:	Length: 4373.00 ft	Diameter: 3.80 inches	Volume: 61.34 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4419.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	4435.00 ft			
Interval between Packers:	16.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4393.00	
Shut In Tool	5.00			4398.00	
Hydraulic tool	5.00			4403.00	
Jars	5.00			4408.00	
Safety Joint	2.00			4410.00	
Packer	4.00			4414.00	27.00 Bottom Of Top Packer
Packer	5.00			4419.00	
Stubb	1.00			4420.00	
Perforations	11.00			4431.00	
Recorder	0.00	8319	Inside	4431.00	
Recorder	0.00	8166	Outside	4431.00	
Blank Off Sub	4.00			4435.00	16.00 Tool Interval
Packer	4.00			4439.00	
Stubb	1.00			4440.00	
Recorder	0.00	6753	Below	4440.00	
perforations	16.00			4456.00	
Change Over Sub	1.00			4457.00	
Blank Spacing	32.00			4489.00	
Change Over Sub	1.00			4490.00	
Bullnose	3.00			4493.00	58.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53889

DST#: 2

ATTN: Austin Klaus

Test Start: 2013.06.04 @ 17:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.08 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
140.00	Water	1.691
120.00	VSOMCW 5%O 60%W 35%M	1.683
60.00	VSWOCM 20%O 10%W 70%M	0.842
90.00	SGO 15%G 85%O	1.262
0.00	150ft GIP	0.000

Total Length: 410.00 ft

Total Volume: 5.478 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

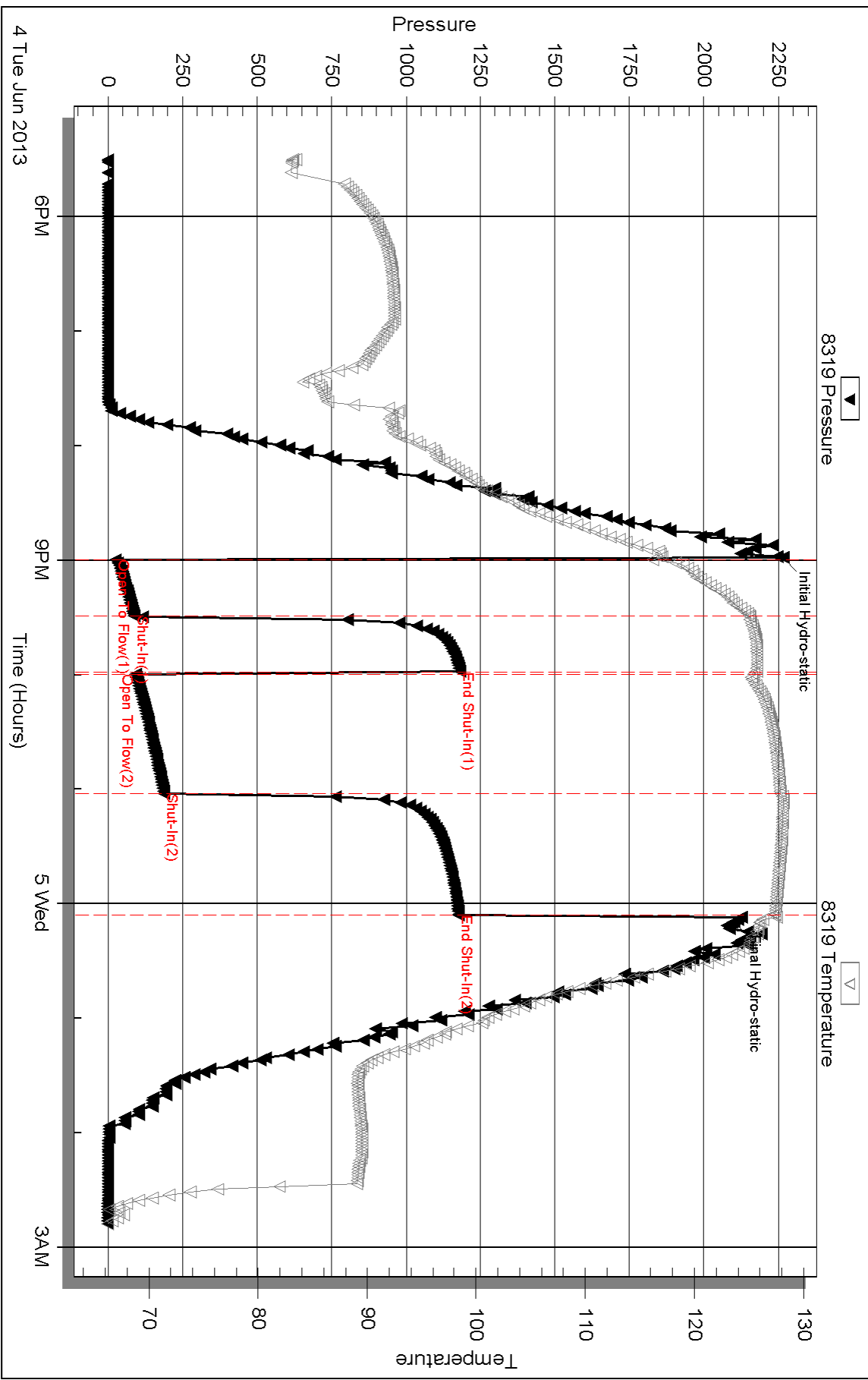
Serial #:

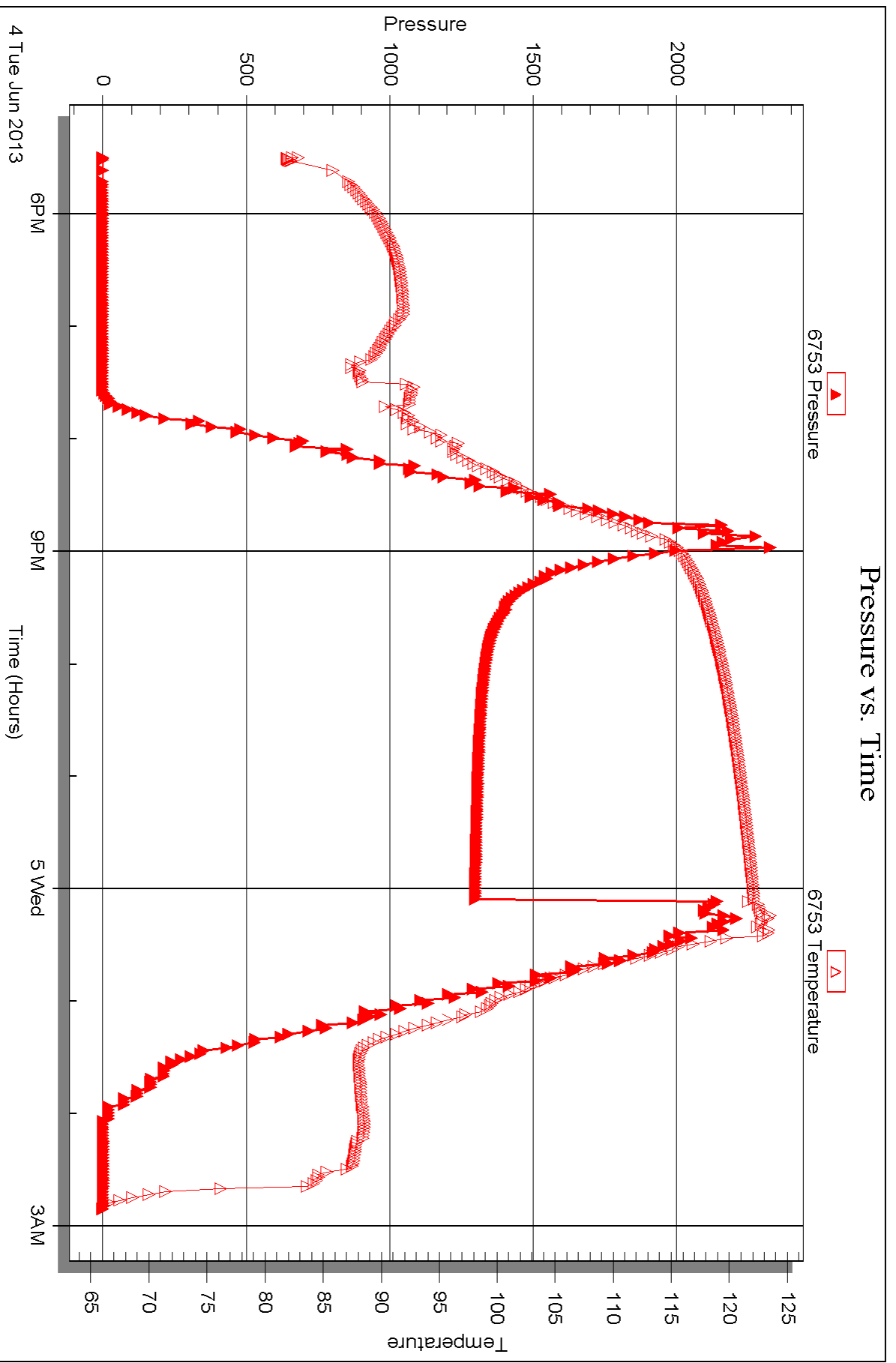
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





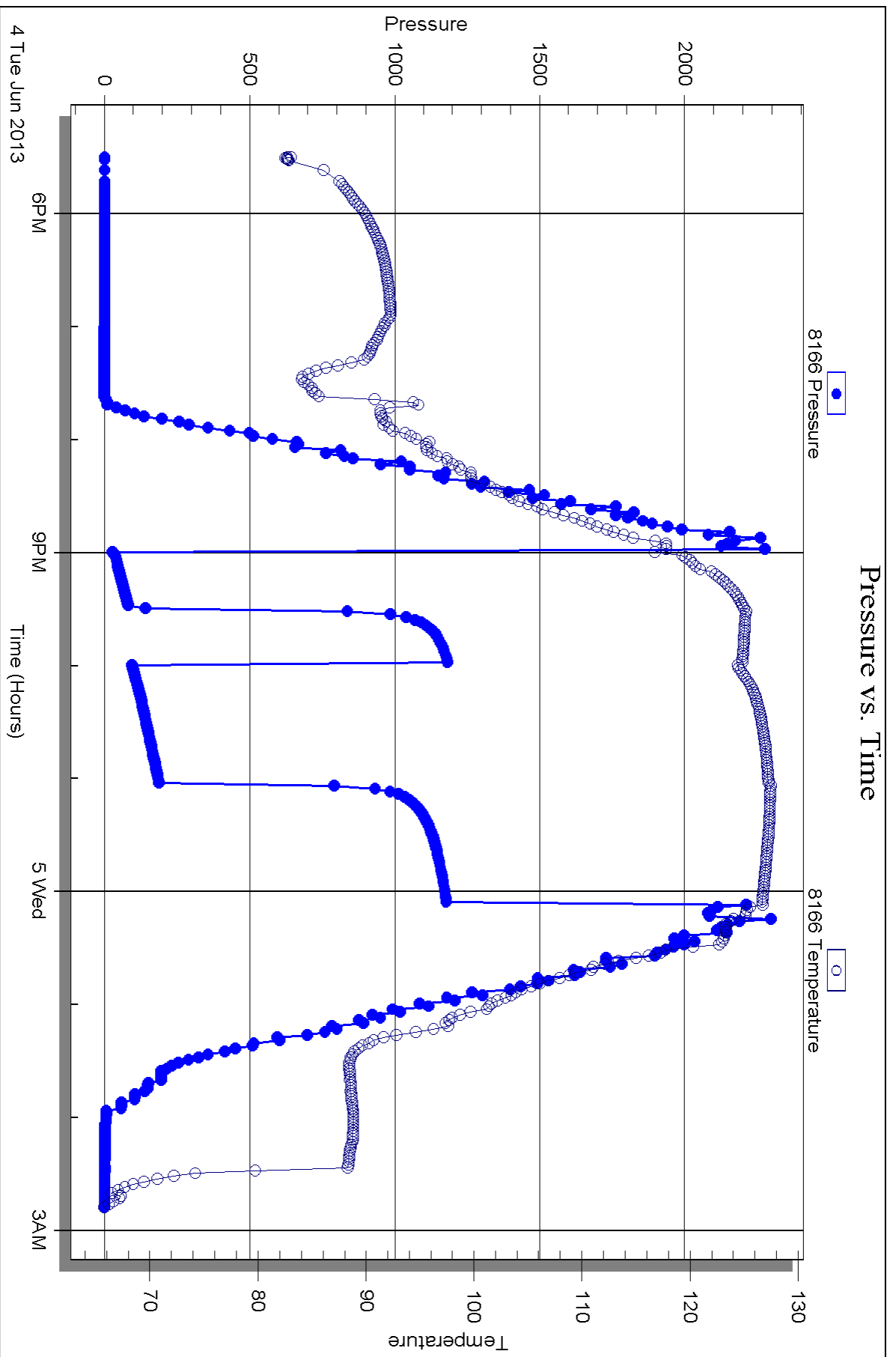
Serial #: 8166

Outside

John O Farmer, Inc.

Mshler F #2

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

370 W. Wichita Ave.
Russell KS 67665

ATTN: Austin Klaus

Mishler F #2

15-17s-25w Ness,KS

Start Date: 2013.06.05 @ 03:10:00

End Date: 2013.06.05 @ 09:40:00

Job Ticket #: 53890 DST #: 3

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

Printed: 2013.06.07 @ 10:00:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53890

DST#: 3

ATTN: Austin Klaus

Test Start: 2013.06.05 @ 03:10:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:57:30

Time Test Ended: 09:40:00

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 4410.00 ft (KB) To 4425.00 ft (KB) (TVD)

Total Depth: 4490.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2458.00 ft (KB)

2450.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8319

Inside

Press @ Run Depth: 32.15 psig @ 4421.00 ft (KB)

Start Date: 2013.06.05

End Date:

2013.06.05

Start Time: 03:10:05

End Time:

09:39:59

Capacity: 8000.00 psig

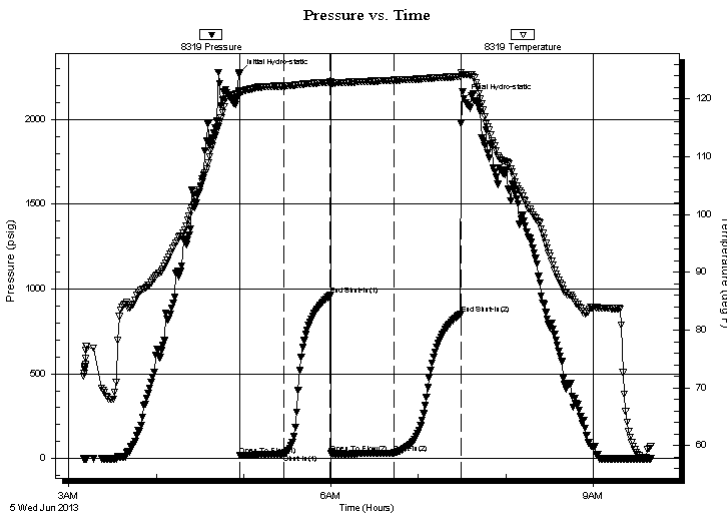
Last Calib.: 2013.06.05

Time On Btm: 2013.06.05 @ 04:57:00

Time Off Btm: 2013.06.05 @ 07:31:30

TEST COMMENT: IF-1 1/2" blow
ISI-No blow
FF-1/8" blow
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.99	121.40	Initial Hydro-static
1	19.45	121.13	Open To Flow (1)
31	27.91	122.21	Shut-In(1)
63	962.40	122.90	End Shut-In(1)
63	31.99	122.66	Open To Flow (2)
106	32.15	123.22	Shut-In(2)
152	853.47	123.86	End Shut-In(2)
155	2123.66	124.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM 30%O 70%M	0.12
15.00	GO 10%G 90%O	0.16

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53890

DST#: 3

ATTN: Austin Klaus

Test Start: 2013.06.05 @ 03:10:00

Tool Information

Drill Pipe:	Length: 4373.00 ft	Diameter: 3.80 inches	Volume: 61.34 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 61.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4410.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	4425.00 ft			
Interval between Packers:	15.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4384.00	
Shut In Tool	5.00			4389.00	
Hydraulic tool	5.00			4394.00	
Jars	5.00			4399.00	
Safety Joint	2.00			4401.00	
Packer	4.00			4405.00	27.00 Bottom Of Top Packer
Packer	5.00			4410.00	
Stubb	1.00			4411.00	
Perforations	10.00			4421.00	
Recorder	0.00	8319	Inside	4421.00	
Recorder	0.00	8166	Outside	4421.00	
Blank Off Sub	4.00			4425.00	15.00 Tool Interval
Packer	4.00			4429.00	
Stubb	1.00			4430.00	
perforations	26.00			4456.00	
Change Over Sub	1.00			4457.00	
Recorder	0.00	6753	Below	4457.00	
Blank Spacing	32.00			4489.00	
Change Over Sub	1.00			4490.00	
Bullnose	3.00			4493.00	68.00 Bottom Packers & Anchor
Total Tool Length:	110.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

15-17s-25w Ness, KS

370 W. Wichita Ave.
Russell KS 67665

Mishler F #2

Job Ticket: 53890

DST#: 3

ATTN: Austin Klaus

Test Start: 2013.06.05 @ 03:10:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.07 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
25.00	OCM 30%O 70%M	0.123
15.00	GO 10%G 90%O	0.165

Total Length: 40.00 ft Total Volume: 0.288 bbl

Num Fluid Samples: 0

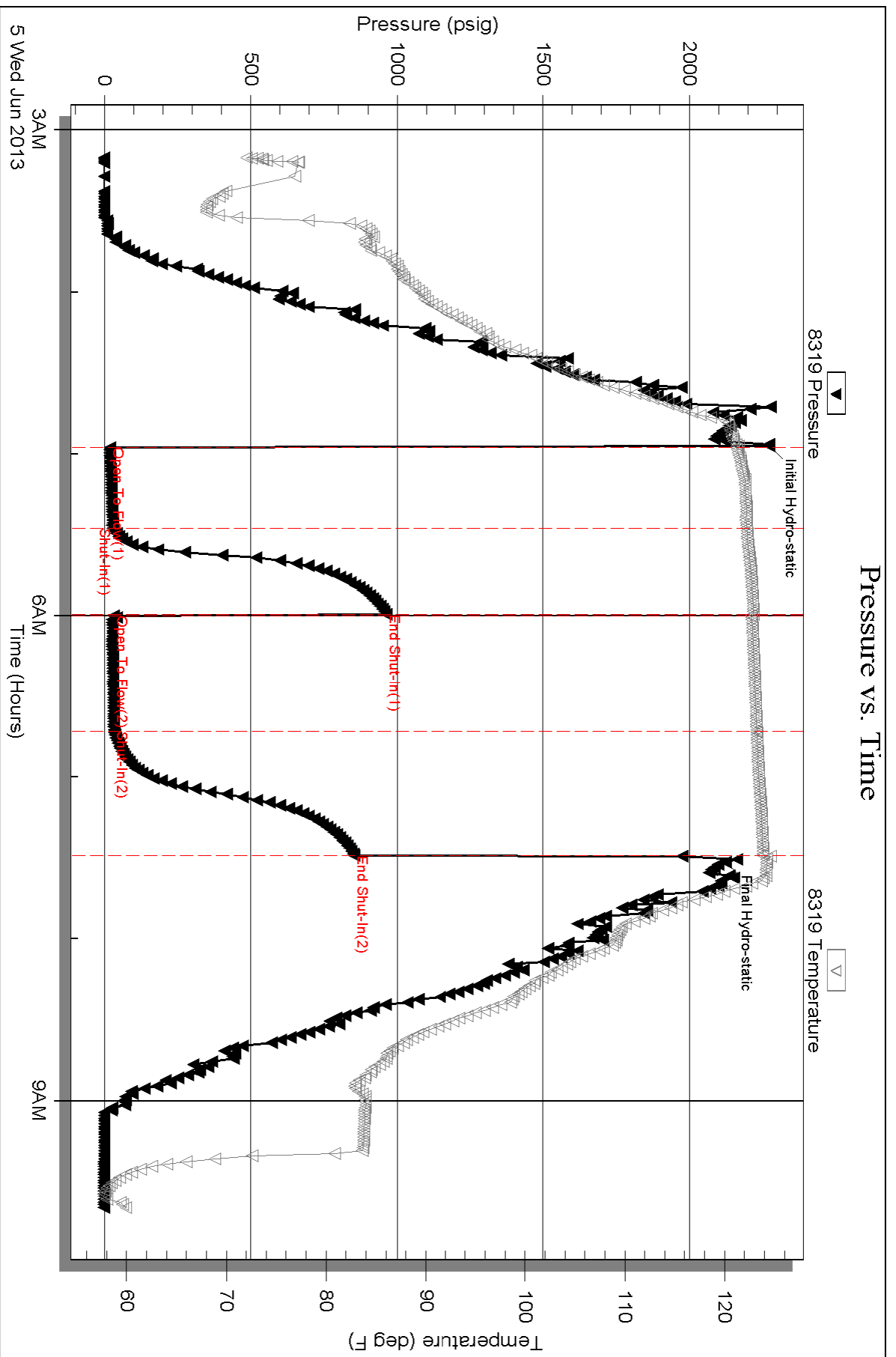
Num Gas Bombs: 0

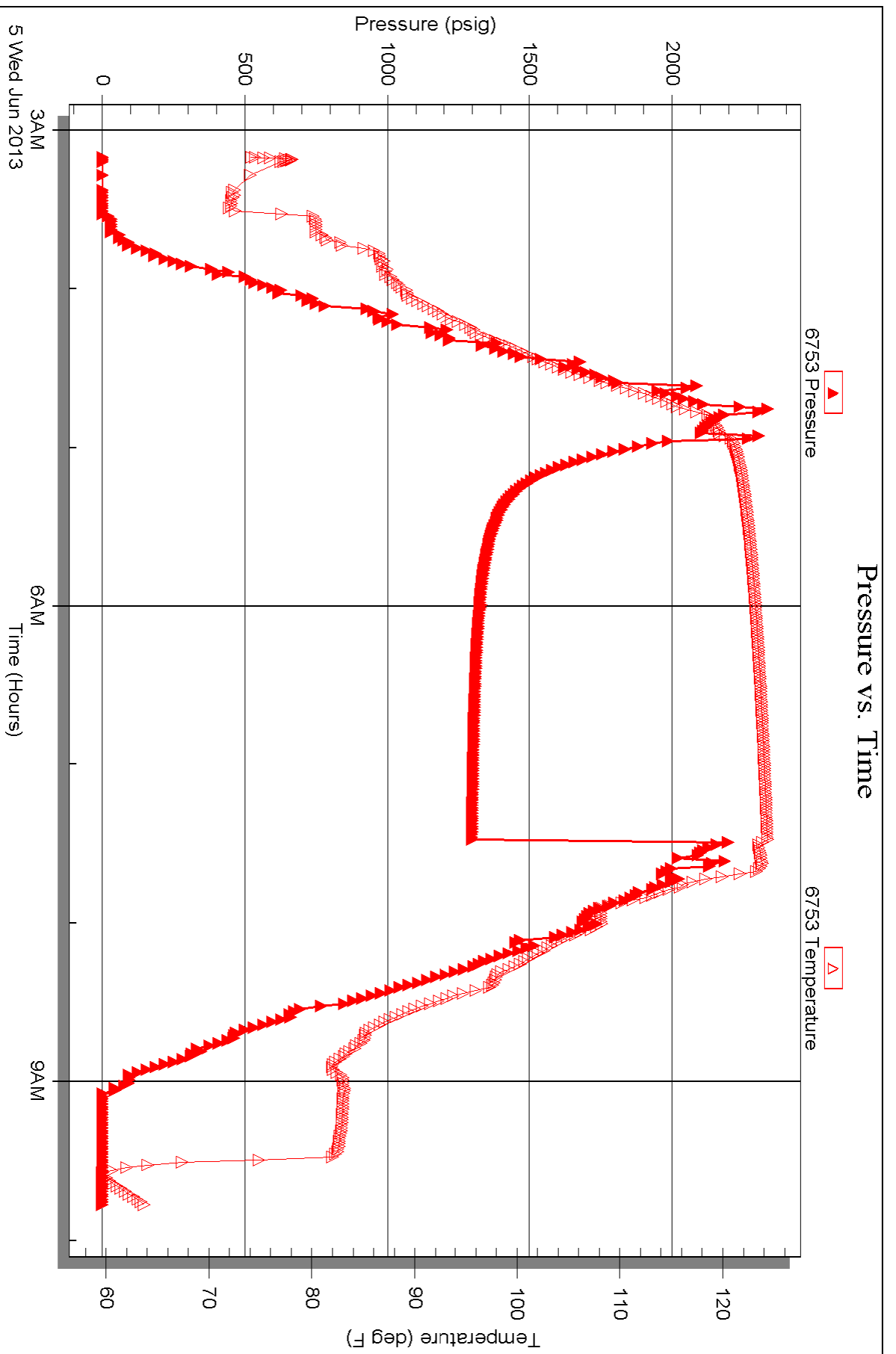
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





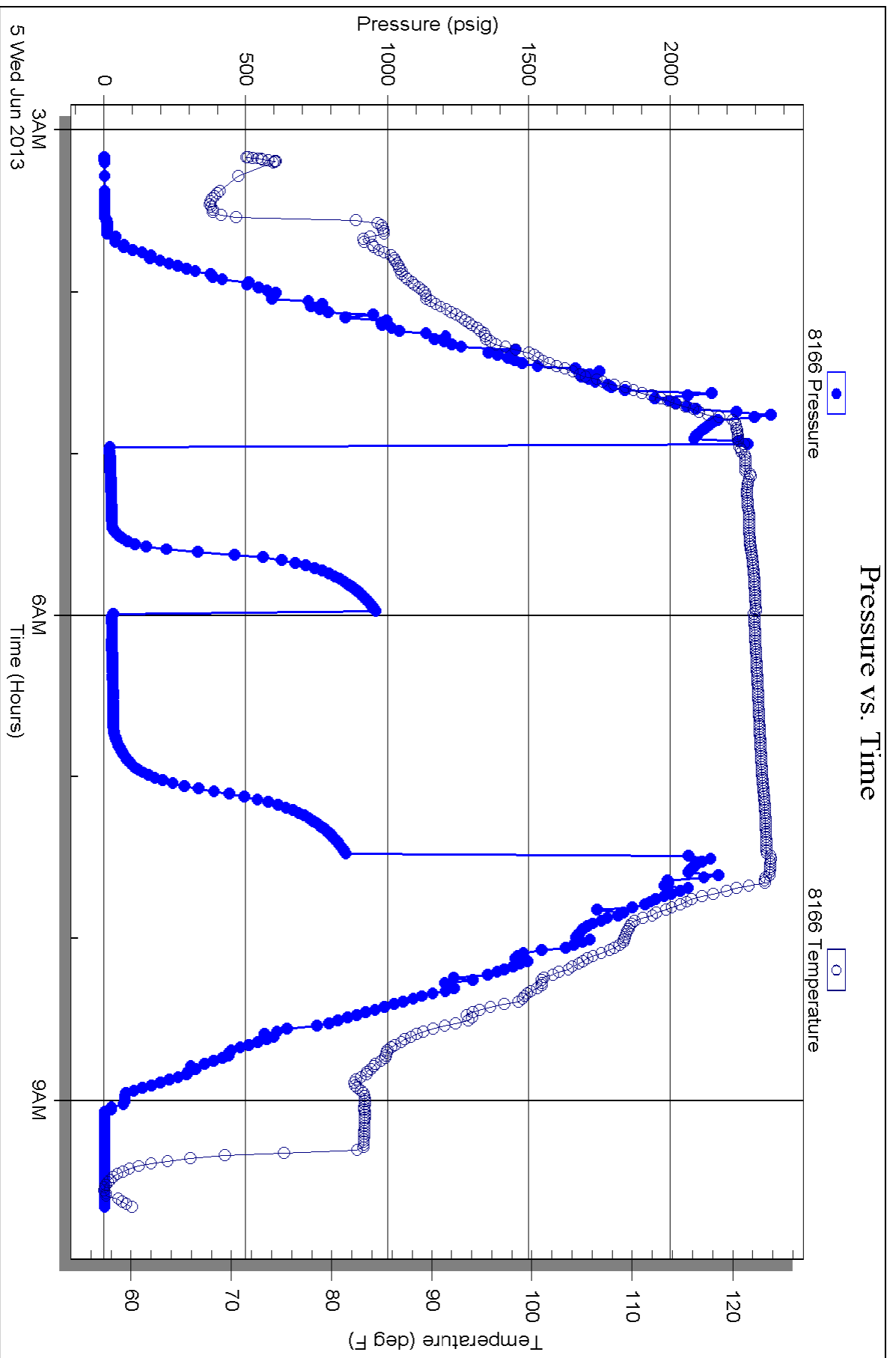
Serial #: 8166

Outside

John O Farmer, Inc.

Mshler F #2

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53888

4/10

Well Name & No. Mishler F #2 Test No. 1 Date 6/3/17
 Company John O. Farmer, Inc Elevation 2458 KB 2450 GL
 Address 370 W Wichita Ave Russell KS 67665
 Co. Rep / Geo. _____ Rig Discovery #3
 Location: Sec. 15 Twp. 17S Rge. 25W Co. Ness State KS

Interval Tested 4295-4345 Zone Tested FT. SCOTT
 Anchor Length 50 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 4290 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 4295 Wt. Pipe Run - WL 8.0
 Total Depth 4345 Chlorides 2,000 ppm System LCM #2
 Blow Description IF - 1 1/2 in blow
ISI - No blow
FF - 5 1/2 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>vsocm</u>		<u>5</u>		<u>95</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 <u>2,133</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>14:00</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>15:55</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>18:43</u>
(D) Initial Shut-In <u>96</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>21:43</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:45</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>149.7</u> 230.95	Comments _____
(G) Final Shut-In <u>131</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2,071</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1805.95</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1805.95</u>	

Approved By _____ 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. 53889

Well Name & No. Mishler F #2 Test No. 2 Date 6/4/13
 Company John O Farmer, Inc Elevation 2458 KB 2450 GL
 Address 370 W Wichita Ave Russell KS 67665
 Co. Rep / Geo. _____ Rig Discovery #3
 Location: Sec. 15 Twp. 17S Rge. 25W Co. Ness State KS

Interval Tested 4419 - 4435 Zone Tested Miss
 Anchor Length 16 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 4414, 4419 Drill Collars Run 30 Vis _____
 Bottom Packer Depth 4435 Wt. Pipe Run - WL _____
 Total Depth 4490 Chlorides _____ ppm System LCM _____

Blow Description IF - BOB in 20 min
ISI - 1/4 in blow
EF - BOB in 29 min
FSL - 1/2 in blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>SGO</u>	<u>15</u>	<u>85</u>		
<u>60</u>	<u>VS WOCM</u>		<u>20</u>	<u>10</u>	<u>70</u>
<u>120</u>	<u>VS OMCW</u>		<u>5</u>	<u>60</u>	<u>35</u>
<u>140</u>	<u>water</u>				
<u>150-11</u>	<u>GAP</u>				

Rec Total 410 BHT 127 Gravity 36 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2,266</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>16:45</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:30</u>
(C) First Final Flow <u>87</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:56</u>
(D) Initial Shut-In <u>1183</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:56</u>
(E) Second Initial Flow <u>92</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:43</u>
(F) Second Final Flow <u>188</u>	<input checked="" type="checkbox"/> Mileage <u>149.7</u> 230.95	Comments _____
(G) Final Shut-In <u>1178</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2,101</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 2405.95

Sub Total _____
 Total 2405.95
 MP/DST Disc't _____

Approved By _____ Our Representative Beth Dae

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. 53890

Well Name & No. Misgler F#2 Test No. 3 Date 6/5/13
 Company John O Farmer, Inc Elevation 2458 KB 2450 GL
 Address 370 W Wichita Ave Russell KS 67665
 Co. Rep / Geo. _____ Rig Discovery #3
 Location: Sec. 15 Twp. 17s Rge. 25w Co. Ness State KS

Interval Tested 4410-4425 Zone Tested MIS
 Anchor Length 15 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 4405, 4410 Drill Collars Run 30 Vis _____
 Bottom Packer Depth 4425 Wt. Pipe Run _____ WL _____
 Total Depth 4490 Chlorides _____ ppm System LCM _____

Blow Description IF - 1 1/2 in blow
ISI - No blow
FF - 1/8 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>OCM</u>	<u>30</u>		<u>70</u>	
<u>15</u>	<u>80</u>	<u>10</u>	<u>90</u>		
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 40 BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2273 Test 1250 T-On Location _____
 (B) First Initial Flow 19 Jars 250 T-Started 3:10
 (C) First Final Flow 28 Safety Joint 75 T-Open 4:55
 (D) Initial Shut-In 962 Circ Sub _____ T-Pulled 7:25
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 9:35
 (F) Second Final Flow 32 Mileage 149.7 Comments _____
 (G) Final Shut-In 853 Sampler _____
 (H) Final Hydrostatic 2124 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2175
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2175

Approved By _____ Our Representative B. D. [Signature]

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