



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corp.**

1801 Broadway #600  
Denver CO 80202

ATTN: Harley Davidson, Mac

**Michelle #1-3**

**3-17s-29w Lane,KS**

Start Date: 2013.11.05 @ 06:28:15

End Date: 2013.11.05 @ 14:58:30

Job Ticket #: 54693                      DST #: 1

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

Printed: 2013.11.13 @ 14:34:56



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**3-17s-29w Lane, KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54693

**DST#: 1**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.05 @ 06:28:15

## GENERAL INFORMATION:

Formation: **H-I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:59:15

Time Test Ended: 14:58:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

**Interval: 4122.00 ft (KB) To 4212.00 ft (KB) (TVD)**

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4212.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 117.26 psig @ 4123.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.05

End Date:

2013.11.05

Last Calib.: 2013.11.05

Start Time: 06:28:15

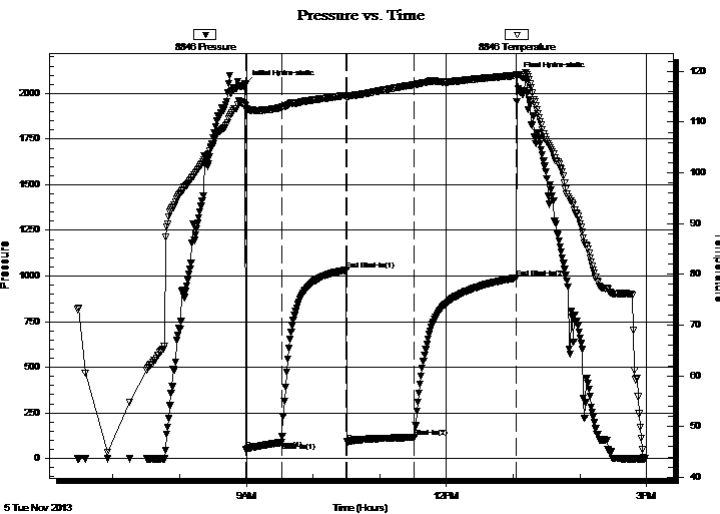
End Time:

14:58:30

Time On Btm: 2013.11.05 @ 08:59:00

Time Off Btm: 2013.11.05 @ 13:03:30

TEST COMMENT: IF: Built to 2" blow  
IS: No return blow  
FF: Built to 2 1/2" blow  
FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2050.48	113.18	Initial Hydro-static
1	50.75	112.60	Open To Flow (1)
33	88.73	112.87	Shut-In(1)
91	1032.64	115.27	End Shut-In(1)
92	91.13	114.80	Open To Flow (2)
153	117.26	117.35	Shut-In(2)
244	989.72	119.17	End Shut-In(2)
245	2095.28	119.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
153.00	mud with oil spots	1.03

## Gas Rates

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



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**DRILL STEM TEST REPORT**

Forestar Petroleum Corp.

3-17s-29w Lane,KS

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54693

**DST#: 1**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.05 @ 06:28:15

**GENERAL INFORMATION:**

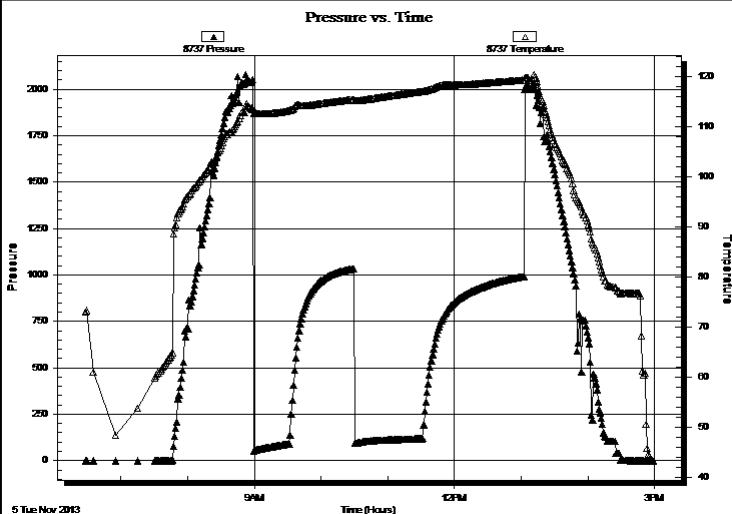
Formation: **H-I-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:59:15  
 Time Test Ended: 14:58:30  
**Interval: 4122.00 ft (KB) To 4212.00 ft (KB) (TVD)**  
 Total Depth: 4212.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2813.00 ft (KB)  
 2808.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8737**

**Outside**

Press@RunDepth: psig @ 4123.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.05 End Date: 2013.11.05 Last Calib.: 2013.11.05  
 Start Time: 06:28:15 End Time: 14:58:30 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF:Built to 2" blow  
 IS:No return blow  
 FF:Built to 2 1/2" blow  
 FS:No return blow



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
153.00	mud with oil spots	1.03

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54693

**DST#: 1**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.05 @ 06:28:15

## Tool Information

Drill Pipe:	Length: 4007.00 ft	Diameter: 3.80 inches	Volume: 56.21 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:	20000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 56.81 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	4122.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	90.00 ft				
Tool Length:	117.00 ft				
Number of Packers:	2	Diameter: 6.76 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4096.00	
Sampler	3.00			4099.00	
Shut In Tool	5.00			4104.00	
Hydraulic tool	5.00			4109.00	
Jars	5.00			4114.00	
Safety Joint	3.00			4117.00	
Packer	5.00			4122.00	27.00 Bottom Of Top Packer
Packer - Shale	0.00			4122.00	
Stubb	1.00			4123.00	
Recorder	0.00	8846	Inside	4123.00	
Recorder	0.00	8737	Outside	4123.00	
Perforations	3.00			4126.00	
Change Over Sub	1.00			4127.00	
Drill Pipe	62.00			4189.00	
Change Over Sub	1.00			4190.00	
Perforations	17.00			4207.00	
Bullnose	5.00			4212.00	90.00 Anchor Tool
<b>Total Tool Length:</b>	<b>117.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54693

**DST#: 1**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.05 @ 06:28:15

## 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:

bbbl

Water Loss: 6.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
153.00	mud w ith oil spots	1.026

Total Length: 153.00 ft

Total Volume: 1.026 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

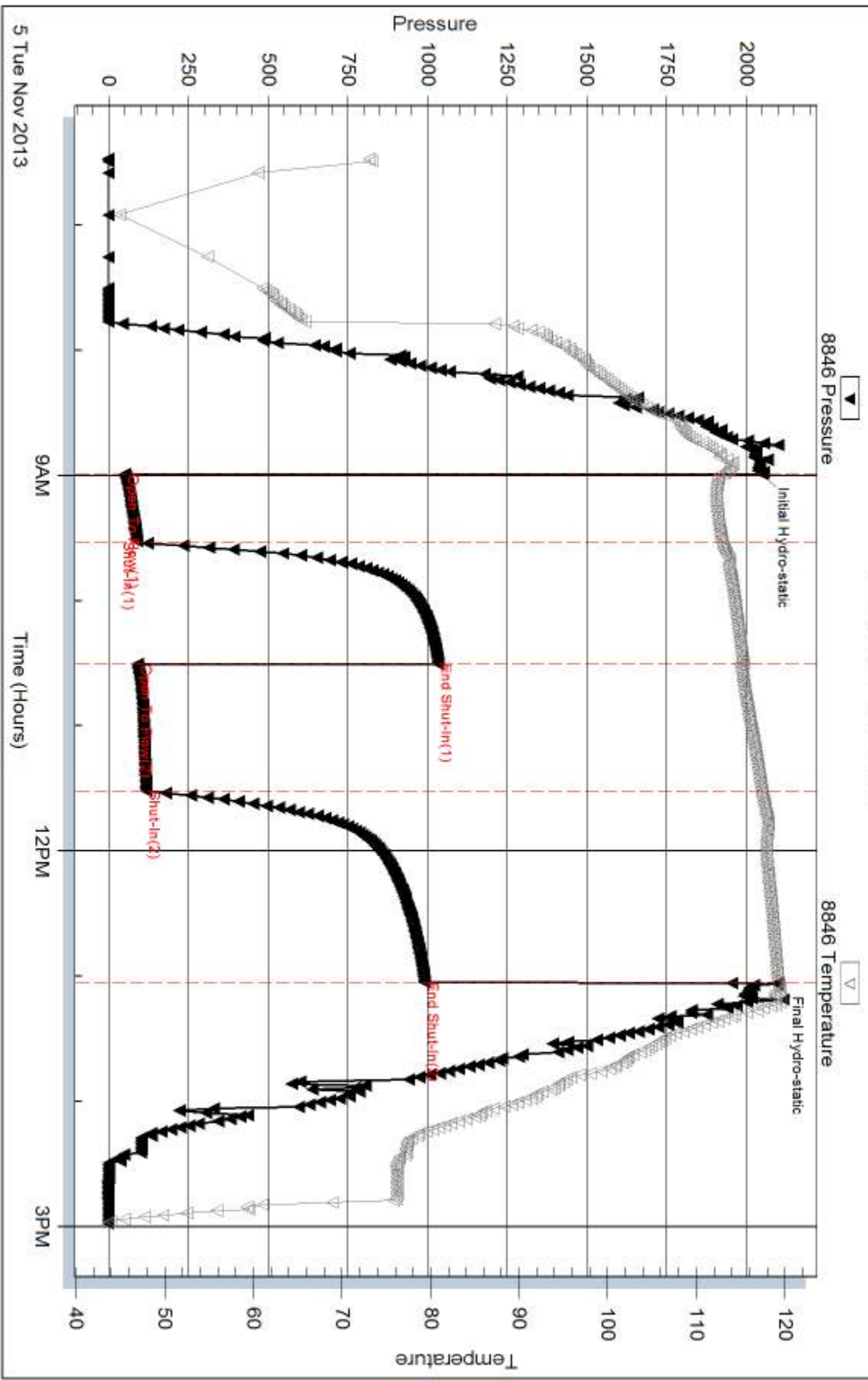
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

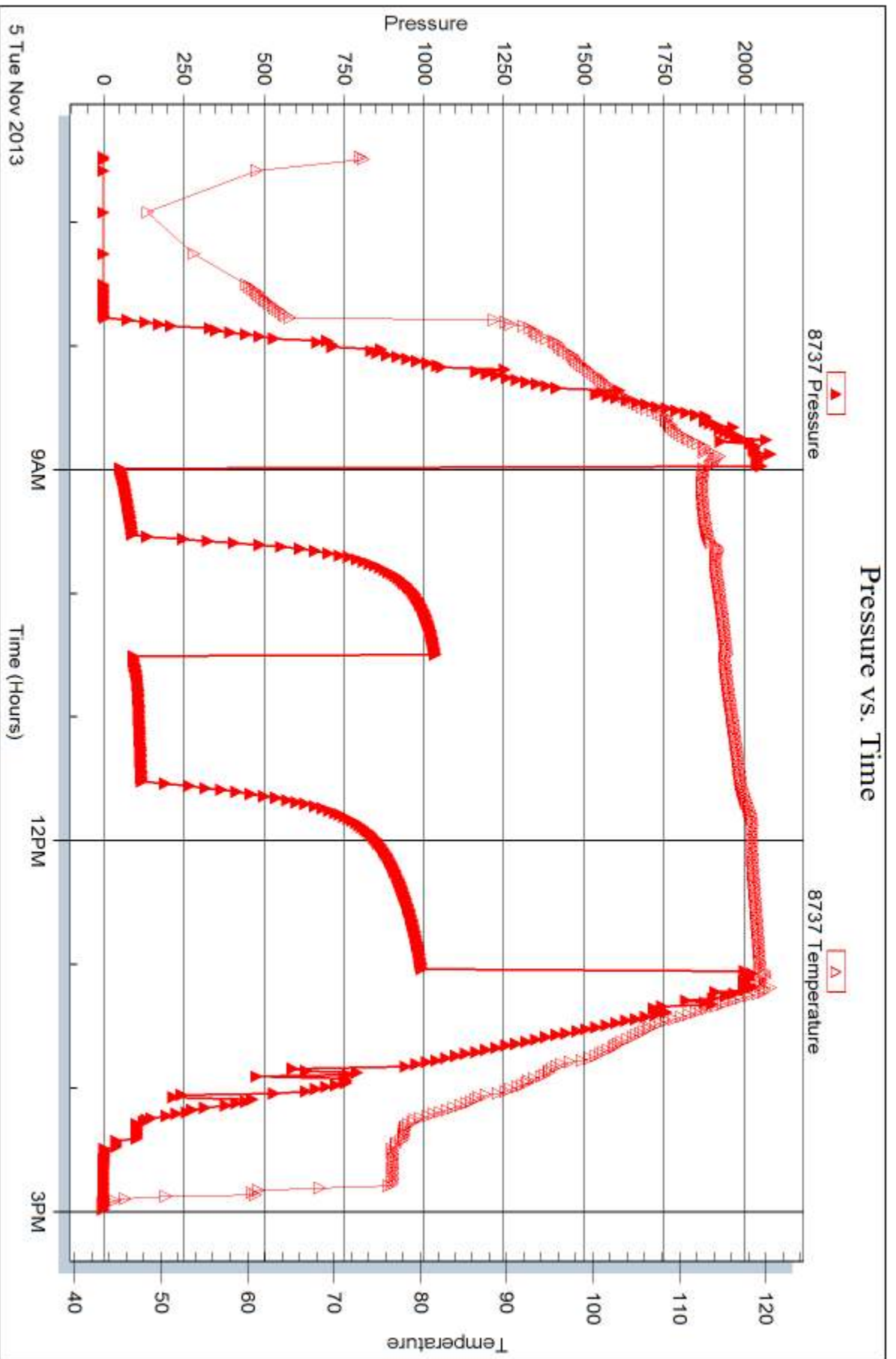


Serial #: 8737

Outside Forestar Petroleum Corp.

Michelle #1-3

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corp.**

1801 Broadway #600  
Denver CO 80202

ATTN: Harley Davidson, Mac

### **Michelle #1-3**

### **3-17s-29w Lane,KS**

Start Date: 2013.11.06 @ 05:32:15

End Date: 2013.11.06 @ 13:18:00

Job Ticket #: 54694                      DST #: 2

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

Printed: 2013.11.13 @ 14:34:23





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**3-17s-29w Lane, KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54694

**DST#: 2**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.06 @ 05:32:15

## GENERAL INFORMATION:

Formation: **K-Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:59:00

Time Test Ended: 13:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4214.00 ft (KB) To 4339.00 ft (KB) (TVD)**

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4339.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 269.52 psig @ 4215.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.06

End Date:

2013.11.06

Last Calib.: 2013.11.06

Start Time: 05:32:15

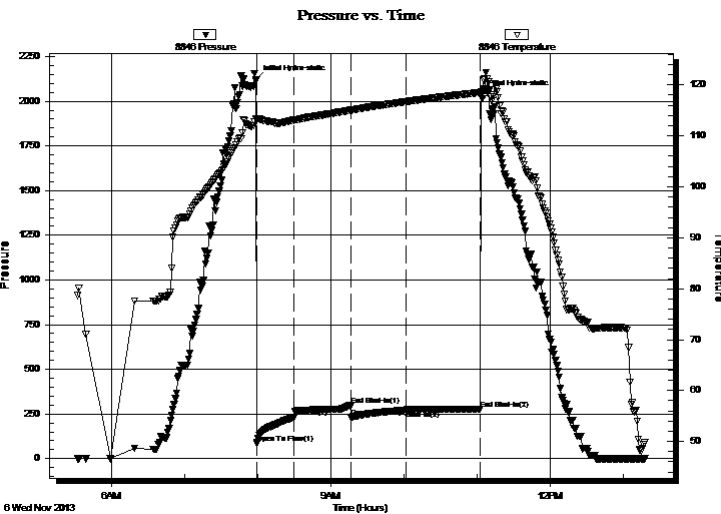
End Time:

13:18:00

Time On Btm: 2013.11.06 @ 07:58:45

Time Off Btm: 2013.11.06 @ 11:03:00

TEST COMMENT: IF:BOB in 7 min.  
IS:No return blow  
FF:Built to 5" blow  
FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.71	113.36	Initial Hydro-static
1	83.82	113.05	Open To Flow (1)
31	229.08	113.10	Shut-In(1)
78	296.43	115.02	End Shut-In(1)
78	231.69	115.02	Open To Flow (2)
123	269.52	116.70	Shut-In(2)
184	278.03	118.52	End Shut-In(2)
185	2036.88	118.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
123.00	w cm 30%w 70%m	0.60
372.00	mud 100% m	5.22

\* Recovery from multiple tests

## Gas Rates

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



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TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**3-17s-29w Lane, KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54694

**DST#: 2**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.06 @ 05:32:15

## GENERAL INFORMATION:

Formation: **K-Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:59:00

Time Test Ended: 13:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4214.00 ft (KB) To 4339.00 ft (KB) (TVD)**

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4339.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: psig @ 4215.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.06 End Date: 2013.11.06

Last Calib.: 2013.11.06

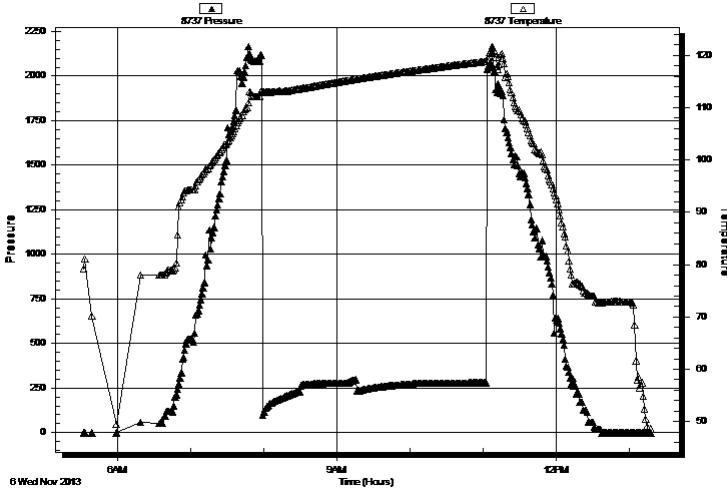
Start Time: 05:32:15 End Time: 13:17:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 7 min.  
IS:No return blow  
FF:Built to 5" blow  
FS:No return blow

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
123.00	w cm 30%w 70%m	0.60
372.00	mud 100% m	5.22

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54694

**DST#: 2**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.06 @ 05:32:15

## Tool Information

Drill Pipe:	Length: 4071.00 ft	Diameter: 3.80 inches	Volume: 57.11 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 57.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4214.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	125.00 ft			
Tool Length:	152.00 ft			
Number of Packers:	2	Diameter: 6.76 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4188.00	
Sampler	3.00			4191.00	
Shut In Tool	5.00			4196.00	
Hydraulic tool	5.00			4201.00	
Jars	5.00			4206.00	
Safety Joint	3.00			4209.00	
Packer	5.00			4214.00	27.00 Bottom Of Top Packer
Packer - Shale	0.00			4214.00	
Stubb	1.00			4215.00	
Recorder	0.00	8846	Inside	4215.00	
Recorder	0.00	8737	Outside	4215.00	
Perforations	3.00			4218.00	
Change Over Sub	1.00			4219.00	
Drill Pipe	96.00			4315.00	
Change Over Sub	1.00			4316.00	
Perforations	18.00			4334.00	
Bullnose	5.00			4339.00	125.00 Anchor Tool
<b>Total Tool Length:</b>	<b>152.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54694

**DST#: 2**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.06 @ 05:32:15

### 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:

15000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.16 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	w cm 30%w 70%m	0.605
372.00	mud 100% m	5.218

Total Length: 495.00 ft      Total Volume: 5.823 bbl

Num Fluid Samples: 0

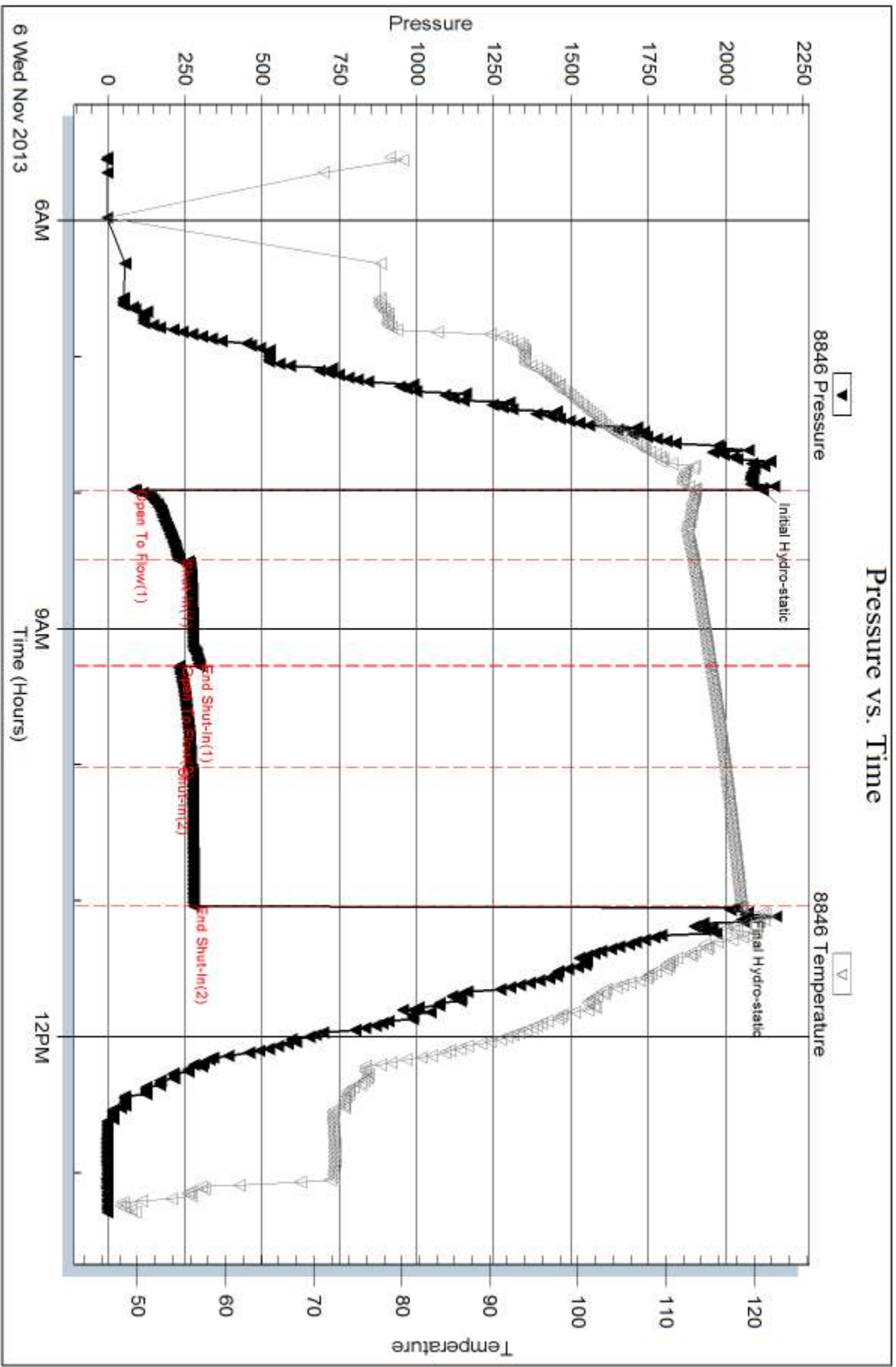
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .542@ 63.5= 15,000 ppm

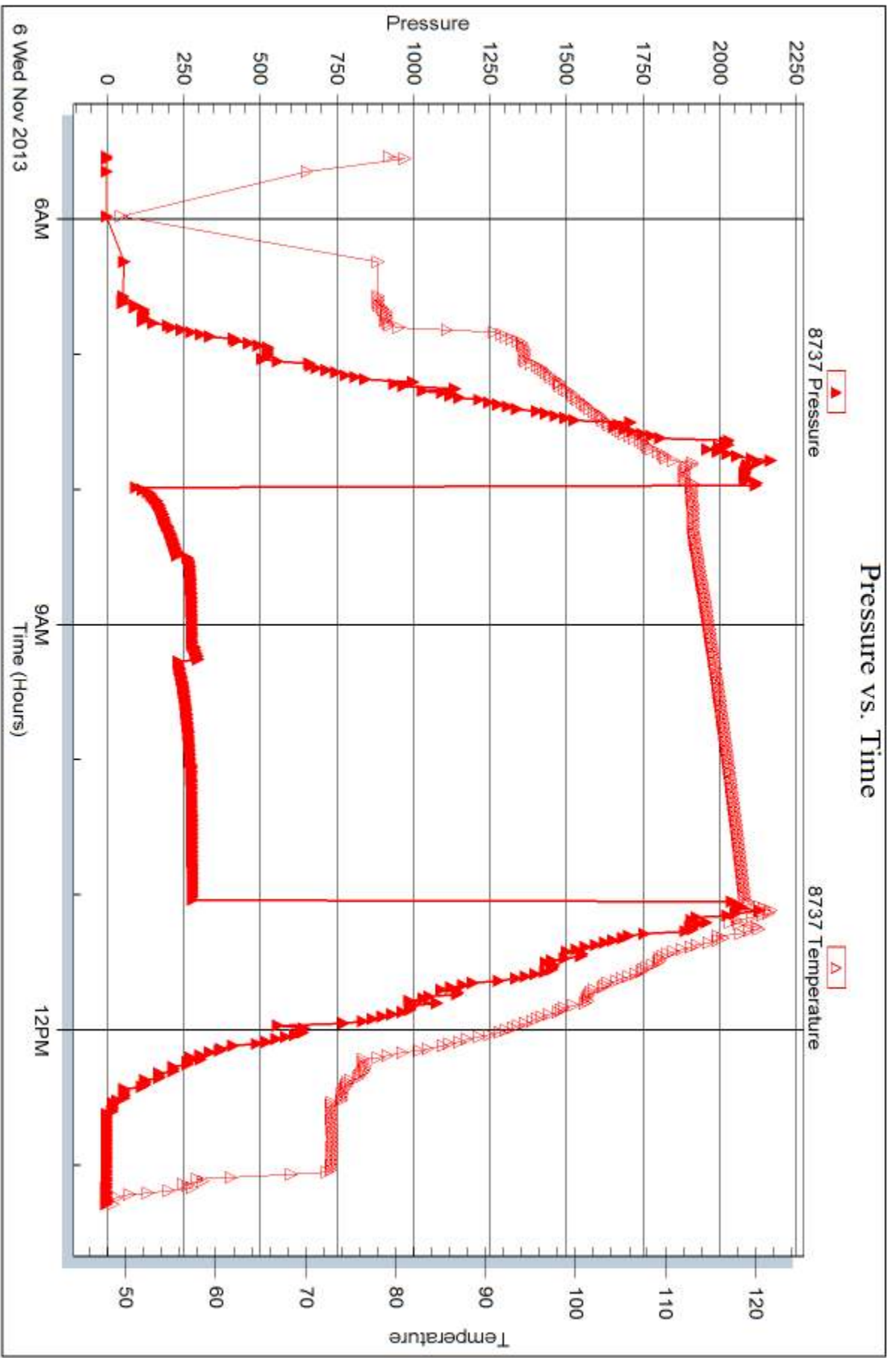


Serial #: 8737

Outside Forestar Petroleum Corp.

Michelle #1-3

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corp.**

1801 Broadway #600  
Denver CO 80202

ATTN: Harley Davidson, Mac

**Michelle #1-3**

**3-17s-29w Lane,KS**

Start Date: 2013.11.07 @ 04:17:15

End Date: 2013.11.07 @ 11:02:30

Job Ticket #: 54695                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.13 @ 14:33:44



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**3-17s-29w Lane, KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54695

**DST#: 3**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.07 @ 04:17:15

## GENERAL INFORMATION:

Formation: **Marm-Altamont -Pawne**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:13:45

Time Test Ended: 11:02:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4332.00 ft (KB) To 4456.00 ft (KB) (TVD)**

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4332.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 89.42 psig @ 4333.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.07

End Date:

2013.11.07

Last Calib.: 2013.11.07

Start Time: 04:17:15

End Time:

11:02:30

Time On Btm: 2013.11.07 @ 06:13:30

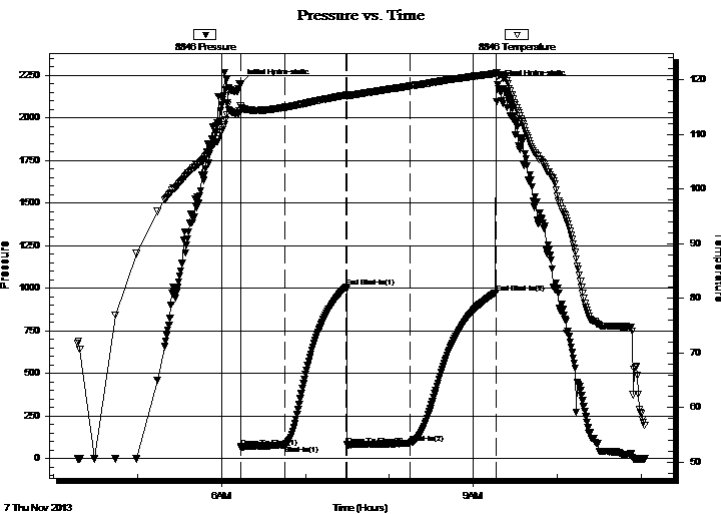
Time Off Btm: 2013.11.07 @ 09:17:15

TEST COMMENT: IF:Weak surface blow died in 22 min

IS:No return blow

FF:No blow

FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.90	115.15	Initial Hydro-static
1	67.86	114.21	Open To Flow (1)
32	78.13	114.90	Shut-In(1)
76	1005.65	117.14	End Shut-In(1)
76	81.49	116.93	Open To Flow (2)
122	89.42	118.81	Shut-In(2)
183	973.59	121.09	End Shut-In(2)
184	2193.94	120.67	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil spots	0.07

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**3-17s-29w Lane, KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

ATTN: Harley Davidson, Mac

Job Ticket: 54695

**DST#: 3**

Test Start: 2013.11.07 @ 04:17:15

## GENERAL INFORMATION:

Formation: **Marm-Altamont -Pawne**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:13:45

Time Test Ended: 11:02:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4332.00 ft (KB) To 4456.00 ft (KB) (TVD)**

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4332.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: psig @ 4333.00 ft (KB)

Start Date: 2013.11.07

End Date: 2013.11.07

Start Time: 04:17:15

End Time: 11:02:45

Capacity: 8000.00 psig

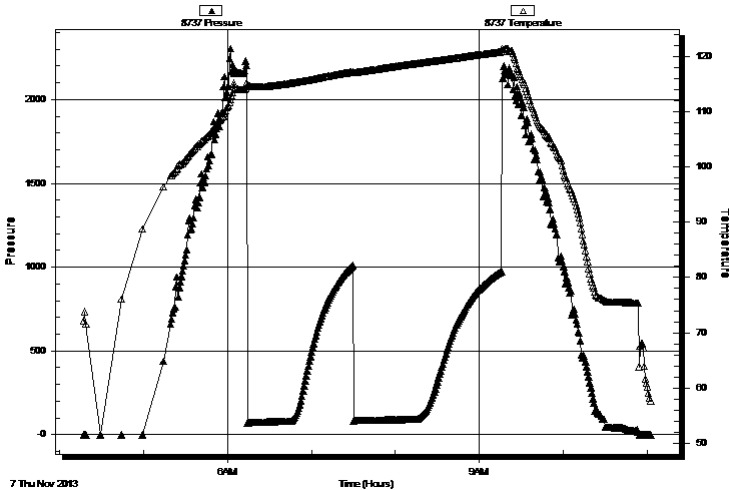
Last Calib.: 2013.11.07

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF:Weak surface blow died in 22 min  
IS:No return blow  
FF:No blow  
FS:No return blow

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil spots	0.07

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54695

**DST#: 3**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.07 @ 04:17:15

## Tool Information

Drill Pipe:	Length: 4195.00 ft	Diameter: 3.80 inches	Volume: 58.84 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 59.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	4332.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	124.00 ft			
Tool Length:	151.00 ft			
Number of Packers:	2	Diameter: 6.76 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4306.00	
Sampler	3.00			4309.00	
Shut In Tool	5.00			4314.00	
Hydraulic tool	5.00			4319.00	
Jars	5.00			4324.00	
Safety Joint	3.00			4327.00	
Packer	5.00			4332.00	27.00 Bottom Of Top Packer
Packer - Shale	0.00			4332.00	
Stubb	1.00			4333.00	
Recorder	0.00	8846	Inside	4333.00	
Recorder	0.00	8737	Outside	4333.00	
Perforations	3.00			4336.00	
Change Over Sub	1.00			4337.00	
Drill Pipe	96.00			4433.00	
Change Over Sub	1.00			4434.00	
Perforations	17.00			4451.00	
Bullnose	5.00			4456.00	124.00 Anchor Tool
<b>Total Tool Length:</b>	<b>151.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54695

**DST#: 3**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.07 @ 04:17:15

## 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: 5.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud w ith oil spots	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:

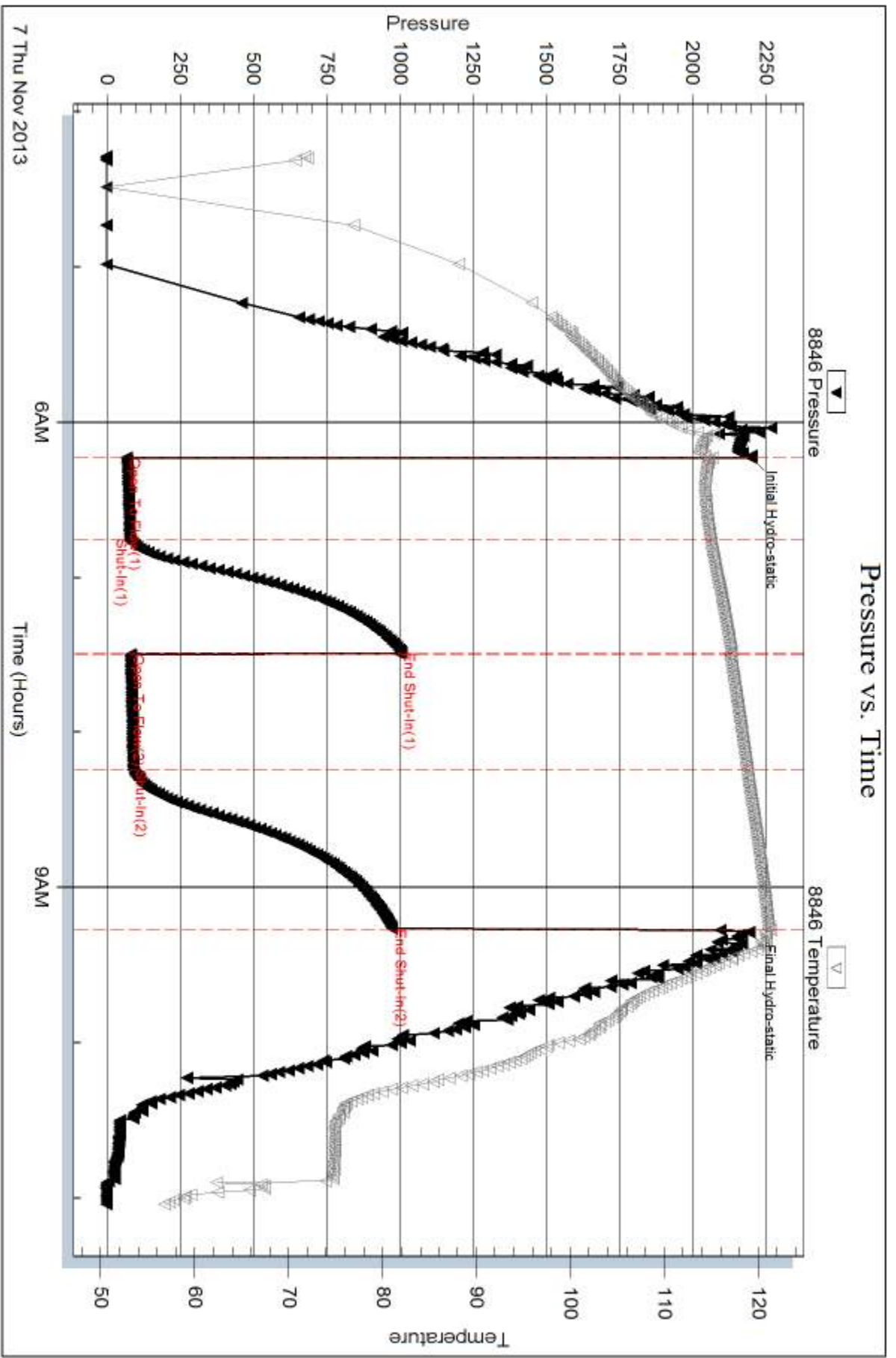
Serial #: 8846

Inside

Forestar Petroleum Corp.

Michelle #1-3

DST Test Number: 3

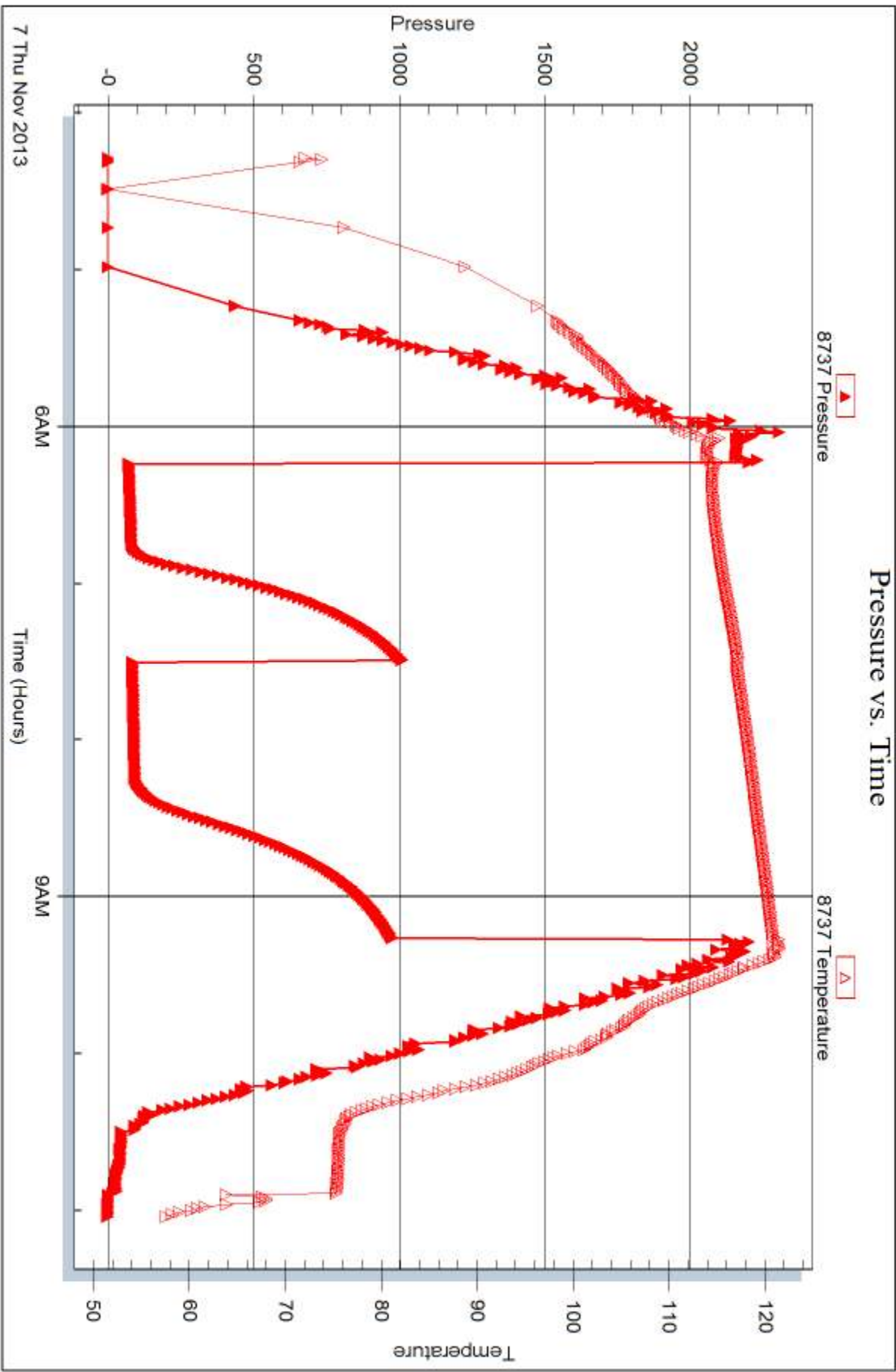


Serial #: 8737

Outside Forestar Petroleum Corp.

Michelle #1-3

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corp.**

1801 Broadway #600  
Denver CO 80202

ATTN: Harley Davidson, Mac

**Michelle #1-3**

**3-17s-29w Lane,KS**

Start Date: 2013.11.08 @ 02:00:15

End Date: 2013.11.08 @ 10:05:45

Job Ticket #: 54696                      DST #: 4

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

Printed: 2013.11.13 @ 14:32:31



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**3-17s-29w Lane, KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54696

**DST#: 4**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.08 @ 02:00:15

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:08:45

Time Test Ended: 10:05:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4450.00 ft (KB) To 4554.00 ft (KB) (TVD)**

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4554.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 85.00 psig @ 4451.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.08

End Date:

2013.11.08

Last Calib.: 2013.11.08

Start Time: 02:00:15

End Time:

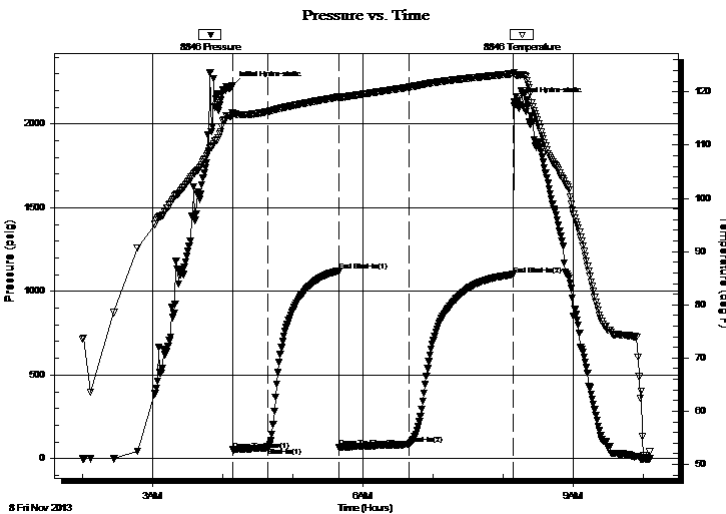
10:05:45

Time On Btm: 2013.11.08 @ 04:08:30

Time Off Btm: 2013.11.08 @ 08:09:30

**TEST COMMENT:** IF: Built to 1" blow  
IS: No return blow  
FF: Built to weak surface blow  
FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.24	116.08	Initial Hydro-static
1	52.74	115.52	Open To Flow (1)
31	64.80	116.31	Shut-In(1)
91	1122.12	119.02	End Shut-In(1)
91	67.37	118.81	Open To Flow (2)
151	85.00	120.89	Shut-In(2)
241	1100.64	123.43	End Shut-In(2)
241	2132.81	123.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud with oil spots	0.30

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**3-17s-29w Lane, KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54696

**DST#: 4**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.08 @ 02:00:15

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:08:45

Time Test Ended: 10:05:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4450.00 ft (KB) To 4554.00 ft (KB) (TVD)**

Reference Elevations: 2813.00 ft (KB)

Total Depth: 4554.00 ft (KB) (TVD)

2808.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: psig @ 4451.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.08

End Date:

2013.11.08

Last Calib.:

2013.11.08

Start Time: 02:00:15

End Time:

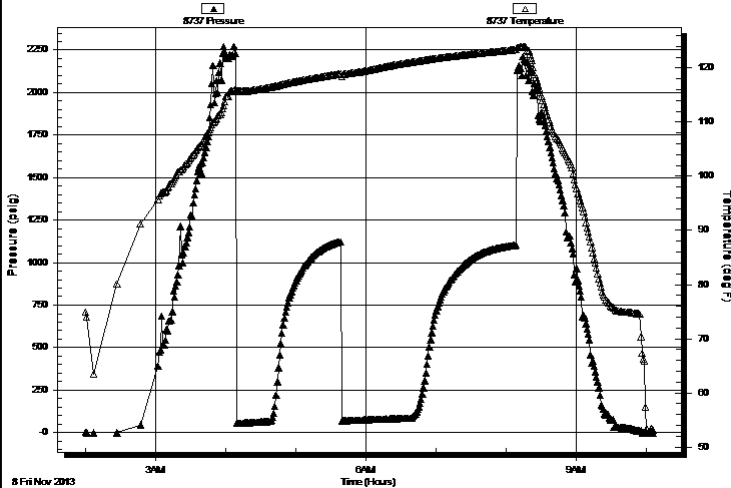
10:05:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Built to 1" blow  
IS: No return blow  
FF: Built to weak surface blow  
FS: No return blow

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud with oil spots	0.30

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54696

**DST#: 4**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.08 @ 02:00:15

## Tool Information

Drill Pipe:	Length: 4323.00 ft	Diameter: 3.80 inches	Volume: 60.64 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 61.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	4450.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	104.00 ft			
Tool Length:	131.00 ft			
Number of Packers:	2	Diameter: 6.76 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4424.00	
Sampler	3.00			4427.00	
Shut In Tool	5.00			4432.00	
Hydraulic tool	5.00			4437.00	
Jars	5.00			4442.00	
Safety Joint	3.00			4445.00	
Packer	5.00			4450.00	27.00 Bottom Of Top Packer
Packer - Shale	0.00			4450.00	
Stubb	1.00			4451.00	
Recorder	0.00	8846	Inside	4451.00	
Recorder	0.00	8737	Outside	4451.00	
Perforations	3.00			4454.00	
Change Over Sub	1.00			4455.00	
Drill Pipe	64.00			4519.00	
Change Over Sub	1.00			4520.00	
Perforations	29.00			4549.00	
Bullnose	5.00			4554.00	104.00 Anchor Tool
<b>Total Tool Length:</b>	<b>131.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corp.

**3-17s-29w Lane,KS**

1801 Broadway #600  
Denver CO 80202

**Michelle #1-3**

Job Ticket: 54696

**DST#: 4**

ATTN: Harley Davidson, Mac

Test Start: 2013.11.08 @ 02:00:15

## 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud w ith oil spots	0.305

Total Length: 62.00 ft      Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

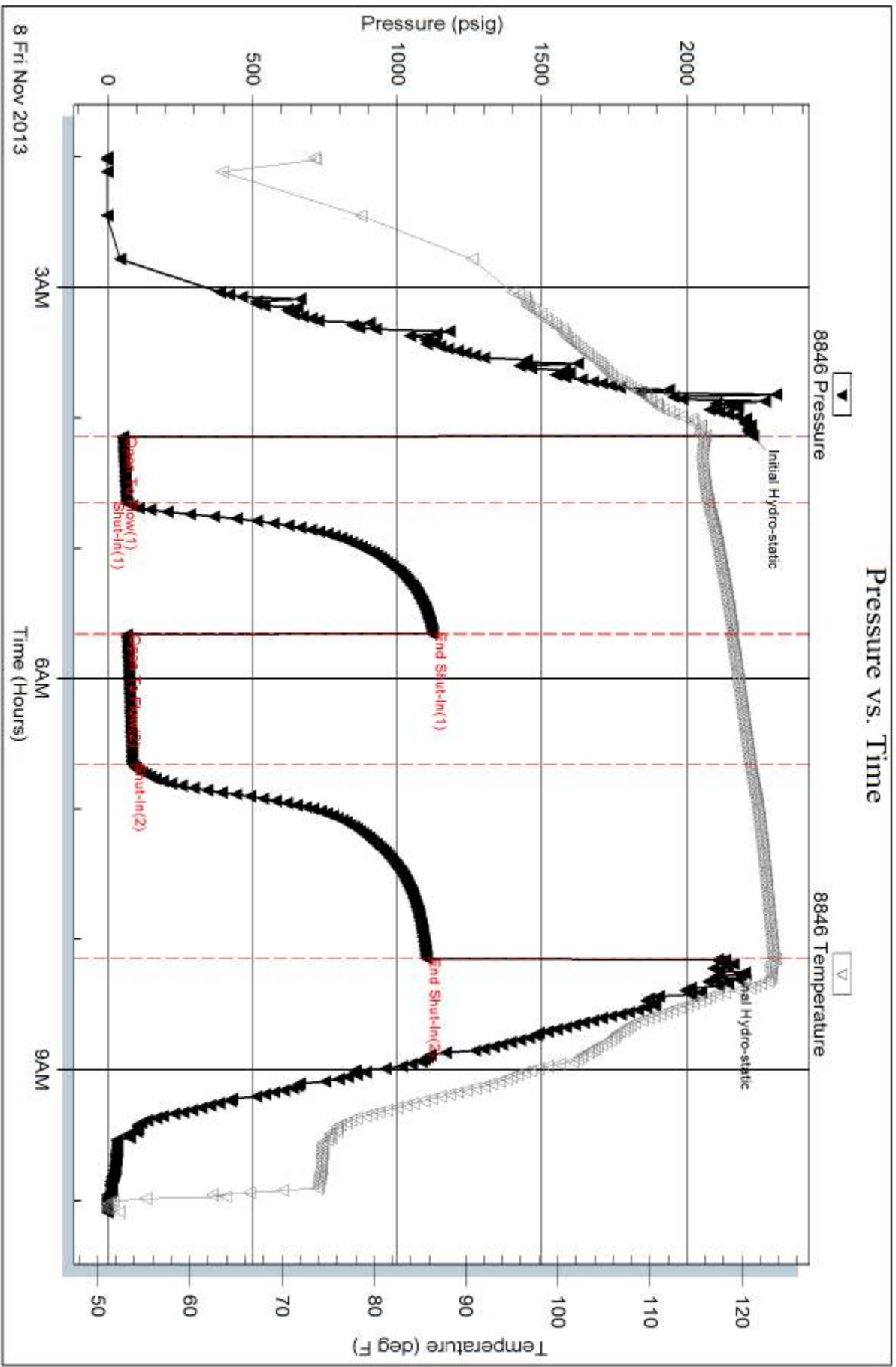
Serial #: 8846

Inside

Forestar Petroleum Corp.

Michelle #1-3

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 54696

Printed: 2013.11.13 @ 14:32:32

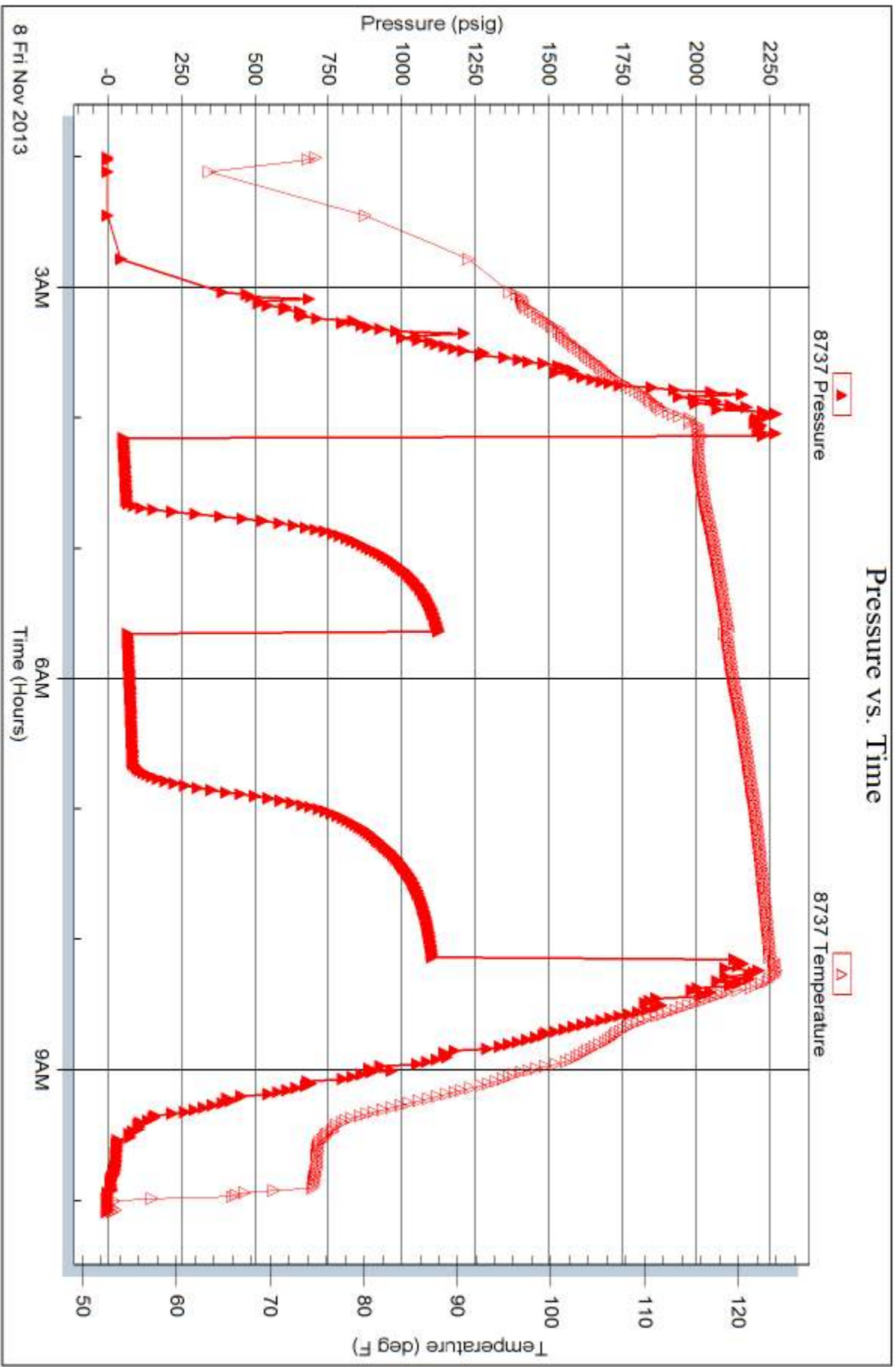
Serial #: 8737

Outside

Forestar Petroleum Corp.

Michelle #1-3

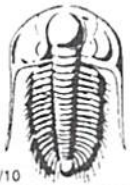
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 54696

Printed: 2013.11.13 @ 14:32:32



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54693

Well Name & No. Michelle 1-3 Test No. 1 Date 11-5-13  
 Company Forestar Petroleum Corp. Elevation 2813 KB 2803 GL  
 Address 1801 Broadway #600 Denver Co 80202  
 Co. Rep / Geo. Harley Davidson - Mac Armstrong Rig WW8  
 Location: Sec. 3 Twp. 17 Rge. 29 Co. Lane State KS

Interval Tested 4122-4212 Zone Tested H-I-J  
 Anchor Length 90 Drill Pipe Run 4007 Mud Wt. 9.0  
 Top Packer Depth 4118 Drill Collars Run 123 Vis 52  
 Bottom Packer Depth 4122 Wt. Pipe Run 0 WL 6.4  
 Total Depth 4212 Chlorides 1200 ppm System LCM 2  
 Blow Description IF: Built to 2" Blow  
IS: No Return Blow  
FF: Built to 2 1/2 Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>153</u>	<u>MUD with oil spots</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 153 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2050</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>05:40</u>
(B) First Initial Flow <u>50</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>06:28</u>
(C) First Final Flow <u>88</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>09:00</u>
(D) Initial Shut-In <u>1032</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>13:30</u>
(E) Second Initial Flow <u>91</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:58</u>
(F) Second Final Flow <u>117</u>	<input checked="" type="checkbox"/> Mileage <u>74RT 114.70/-</u>	Comments
(G) Final Shut-In <u>989</u>	<input checked="" type="checkbox"/> Sampler <u>250.00</u>	
(H) Final Hydrostatic <u>2095</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250.00</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>40</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1939.70</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>\$2189.70/-</u>	

Approved By \_\_\_\_\_

Our Representative Mike Roberts

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# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 54693 Date 11-<sup>5</sup>0-13

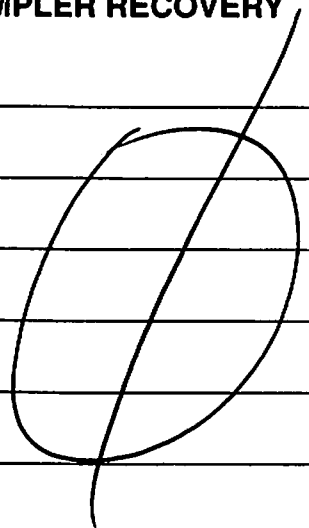
Company Name Forestar Petroleum

Lease Michelle 1-3 Test No. 1

County Lowe Sec. 3 Twp. 17 Rng. 29

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil \_\_\_\_\_ ML  
 Mud \_\_\_\_\_ ML  
 Water \_\_\_\_\_ ML  
 Other \_\_\_\_\_ ML  
 Pressure \_\_\_\_\_ ML  
 Total \_\_\_\_\_ ML



### PIT MUD ANALYSIS

Chlorides 1200 ppm.  
 Resistivity 0 ohms @ \_\_\_\_\_ F  
 Viscosity 52  
 Mud Weight 9.0  
 Filtrate 6.4  
 Other 2#  
 LCM  
 ML

### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 Gravity NA corrected @60F

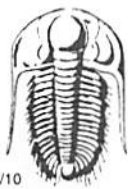
### PIPE RECOVERY

**TOP**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

**MIDDLE**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

**BOTTOM**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54694

Well Name & No. Michelle 1-3 Test No. 2 Date 11-6-13  
 Company Fore Star Petroleum Corp Elevation 2813 KB 2803 GL  
 Address 1801 Broadway #600 Denver Co 80202  
 Co. Rep / Geo. Horley Davidson - Mac Armstrong Rig WW 8  
 Location: Sec. 3 Twp. 17 Rge. 29 Co. LANE State KS

Interval Tested 4214-4339 Zone Tested K-L-Marmaton  
 Anchor Length 125 Drill Pipe Run 4071 Mud Wt. 9.3  
 Top Packer Depth 4210 Drill Collars Run 123 Vis 56  
 Bottom Packer Depth 4214 Wt. Pipe Run Ø WL 5.2  
 Total Depth 4339 Chlorides 1800 ppm System LCM 2  
 Blow Description IF: BOB IN 7 MIN  
IS: No Return Blow  
FF: Built to 5" Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>372</u>	<u>MUD</u>			<u>100</u>	
<u>123</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	

Rec Total 495 BHT 122 Gravity            API RW 1,542 @ 63.5/- ° F Chlorides 15000 ppm

(A) Initial Hydrostatic <u>2119</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>05:00</u>
(B) First Initial Flow <u>83</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>05:32</u>
(C) First Final Flow <u>229</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>08:00</u>
(D) Initial Shut-In <u>296</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>11:00</u>
(E) Second Initial Flow <u>231</u>	<input type="checkbox"/> Hourly Standby <u>          </u>	T-Out <u>13:18</u>
(F) Second Final Flow <u>269</u>	<input checked="" type="checkbox"/> Mileage <u>114.70</u>	Comments <u>          </u>
(G) Final Shut-In <u>278</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>2036</u>	<input type="checkbox"/> Straddle <u>          </u>	<input type="checkbox"/> Ruined Shale Packer <u>          </u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer <u>          </u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u>          </u>	<input type="checkbox"/> Extra Copies <u>          </u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder <u>          </u>	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby <u>          </u>	Total <u>2189.70</u>
	<input type="checkbox"/> Accessibility <u>          </u>	MP/DST Disc't <u>          </u>
	Sub Total <u>2189.70</u>	

Approved By            Our Representative Mite Rohit  
 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

*Q*

## FLUID SAMPLER DATA

Ticket No. 54694 Date 11-10-13  
 Company Name Forestar Petroleum Corp  
 Lease Michelle 1-3 Test No. 2  
 County LANE Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rng. \_\_\_\_\_

### SAMPLER RECOVERY

Gas ∅ ML  
 Oil ∅ ML  
 Mud 220 ML  
 Water 80 ML  
 Other ∅ ML  
 Pressure ∅ ML  
 Total ~~300~~ 300 ML

### PIT MUD ANALYSIS

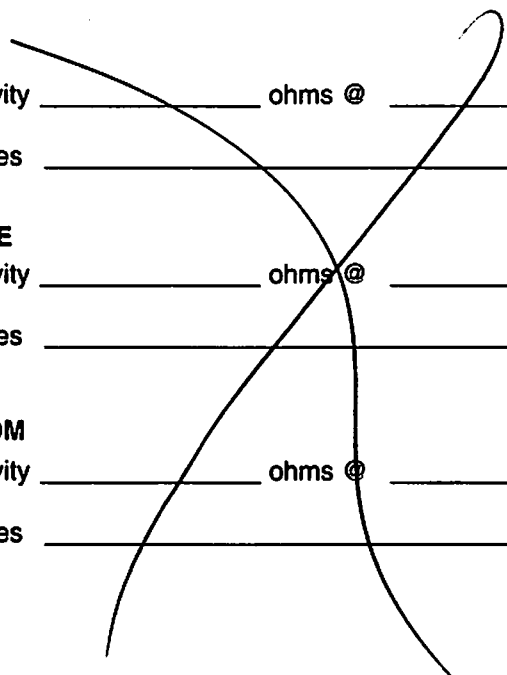
Chlorides 1800 ppm.  
 Resistivity ∅ ohms @ \_\_\_\_\_ F  
 Viscosity 56  
 Mud Weight 9.2  
 Filtrate 5.2  
 LCM 2#  
 Other \_\_\_\_\_

### SAMPLER ANALYSIS

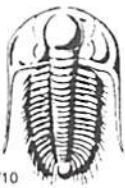
Resistivity .542 ohms @ 63.5/- F  
 Chlorides 15000 ppm.  
 Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

**TOP**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**MIDDLE**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**BOTTOM**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54695

Well Name & No. Michelle 1-3 Test No. 3 Date 11-8-13  
 Company Forestar Petroleum Corp. Elevation 2813 KB 2803 GL  
 Address 1801 Broadway #600 Denver CO 80202  
 Co. Rep / Geo. Harley Davidson - Mac Armstrong Rig WW 8  
 Location: Sec. 3 Twp. 17 Rge. 29 Co. LANE State KS

Interval Tested 4332-4456 Zone Tested Marm - Altamont - Pawnee - Ft. Scott  
 Anchor Length 124 Drill Pipe Run 4195 Mud Wt. 9.3  
 Top Packer Depth 4328 Drill Collars Run 123 Vis 48  
 Bottom Packer Depth 4332 Wt. Pipe Run 0 WL 5.6  
 Total Depth 4456 Chlorides 1500 ppm System LCM 2

Blow Description FF: Weak Surface Blow Died in 22 Min.  
IS: NO Return Blow  
FF: NO Blow  
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MUD with oil spots</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 15 BHT 122 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2198</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>04:00</u>
(B) First Initial Flow <u>67</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>04:17</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>06:15</u>
(D) Initial Shut-In <u>1005</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>09:15</u>
(E) Second Initial Flow <u>81</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:02</u>
(F) Second Final Flow <u>89</u>	<input checked="" type="checkbox"/> Mileage <u>114.70</u>	Comments
(G) Final Shut-In <u>973</u>	<input checked="" type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2193</u>	<input type="checkbox"/> Straddle	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1939.70</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1939.70</u>	

Approved By \_\_\_\_\_ Our Representative Mike Reht

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# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 54695 Date 11-7-13  
 Company Name Forestar Petroleum Corp  
 Lease Michelle 1-3 Test No. 3  
 County LANE Sec. 3 Twp. 17 Rng. 29

### SAMPLER RECOVERY

Gas ∅ ML  
 Oil ∅ ML  
 Mud ∅ ML  
 Water ∅ ML  
 Other ∅ ML  
 Pressure ∅ <sup>LCM</sup> ML  
 Total ∅ ML

### PIT MUD ANALYSIS

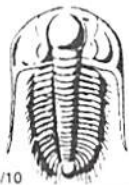
Chlorides 1500 ppm.  
 Resistivity ∅ ohms @ \_\_\_\_\_ F  
 Viscosity 48  
 Mud Weight 9.3  
 Filtrate 5.6  
 Other 2#  
 \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity ∅ ohms @ ∅ F  
 Chlorides ∅ ppm.  
 Gravity NA corrected @60F

### PIPE RECOVERY

~~TOP  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 MIDDLE  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 BOTTOM  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.~~



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54696

Well Name & No. Michelle 1-3 Test No. 4 Date 11-8-13  
 Company Fore Star Petroleum Corp. Elevation 2813 KB 2803 GL  
 Address 1801 Broadway #600 Denver CO 80202  
 Co. Rep / Geo. Harley Davidson - Mac Armstrong Rig WW8  
 Location: Sec. 3 Twp. 17 Rge. 29 Co. Lane State KS

Interval Tested 4450 - 4554 Zone Tested Cherokee - Johnson  
 Anchor Length 104 Drill Pipe Run 4323 Mud Wt. 9.4  
 Top Packer Depth 4446 Drill Collars Run 123 Vis 47  
 Bottom Packer Depth 4450 Wt. Pipe Run Ø WL 6.8  
 Total Depth 4554 Chlorides 1800 ppm System LCM 2

Blow Description FF: Built to 1" Blow  
IS: No Return Blow  
FF: Built to Weak Surface Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>MUD with oil spots</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 62 BHT 124 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2228</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>01:45</u>
(B) First Initial Flow <u>52</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>02:00</u>
(C) First Final Flow <u>64</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>04:10</u>
(D) Initial Shut-In <u>1122</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>08:10</u>
(E) Second Initial Flow <u>67</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:05</u>
(F) Second Final Flow <u>85</u>	<input checked="" type="checkbox"/> Mileage 114.70	Comments
(G) Final Shut-In <u>1100</u>	<input checked="" type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2132</u>	<input type="checkbox"/> Straddle	

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1939.70  
 MP/DST Disc't

Sub Total 1939.70

Approved By \_\_\_\_\_ Our Representative Mike Rohlf

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. 54696 Date 11-8-13  
 Company Name Forestar Petroleum Corp  
 Lease Mitchelle 1-3 Test No. \_\_\_\_\_  
 County Lane Sec. 3 Twp. 17 Rng. 29

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil \_\_\_\_\_ ML  
 Mud \_\_\_\_\_ ML  
 Water \_\_\_\_\_ ML  
 Other \_\_\_\_\_ ML  
 Pressure \_\_\_\_\_ <sup>Lcm</sup> ML  
 Total \_\_\_\_\_ ML

*NA*

### PIT MUD ANALYSIS

Chlorides 1800 ppm.  
 Resistivity Ø ohms @ \_\_\_\_\_ F  
 Viscosity 47  
 Mud Weight 9.4  
 Filtrate 6.8  
 Other 2

### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 Gravity NA corrected @60F

*NA*

### PIPE RECOVERY

~~TOP  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 MIDDLE  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 BOTTOM  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.~~