



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway Ste. #600  
Denver, CO 80202

ATTN: Mac Armstrong

### **Selfridge #1-11**

#### **11-18s-28w Lane,KS**

Start Date: 2013.10.26 @ 01:00:00

End Date: 2013.10.26 @ 08:52:30

Job Ticket #: 54523                      DST #: 1

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

Printed: 2013.10.30 @ 11:38:06



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

11-18s-28w Lane, KS

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54523

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2013.10.26 @ 01:00:00

## GENERAL INFORMATION:

Formation: **LKC "H-I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:27:00

Time Test Ended: 08:52:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III (

Unit No: 60

**Interval: 4136.00 ft (KB) To 4240.00 ft (KB) (TVD)**

Total Depth: 4240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2735.00 ft (KB)

2730.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 313.33 psig @ 4141.00 ft (KB)

Start Date: 2013.10.26

End Date:

2013.10.26

Start Time: 01:00:05

End Time:

08:52:29

Capacity: 8000.00 psig

Last Calib.: 2013.10.26

Time On Btm: 2013.10.26 @ 03:26:30

Time Off Btm: 2013.10.26 @ 06:30:00

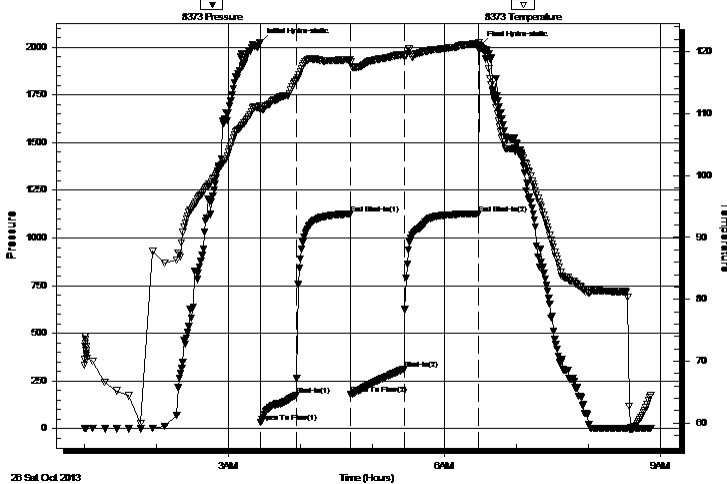
TEST COMMENT: IF: B.o.b. in 11 mins.

IS: Bled off in 2 mins.-No return

FF: B.o.b. in 13 1/2 mins.

FS: Bled off in 2 mins.-No return

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2022.62	111.29	Initial Hydro-static
1	33.94	110.66	Open To Flow (1)
30	177.03	115.28	Shut-In(1)
75	1127.47	118.71	End Shut-In(1)
76	180.57	118.31	Open To Flow (2)
120	313.33	119.19	Shut-In(2)
182	1127.23	121.19	End Shut-In(2)
184	2007.12	120.87	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	Gm 10g 90m	0.60
258.00	Wom 10w 20o 70m	3.62
250.00	Om 15o 85m	3.51
0.00	58 GIP	0.00

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

1801 Broadway Ste. #600  
Denver, CO 80202

ATTN: Mac Armstrong

**11-18s-28w Lane, KS**

**Selfridge #1-11**

Job Ticket: 54523

**DST#: 1**

Test Start: 2013.10.26 @ 01:00:00

## GENERAL INFORMATION:

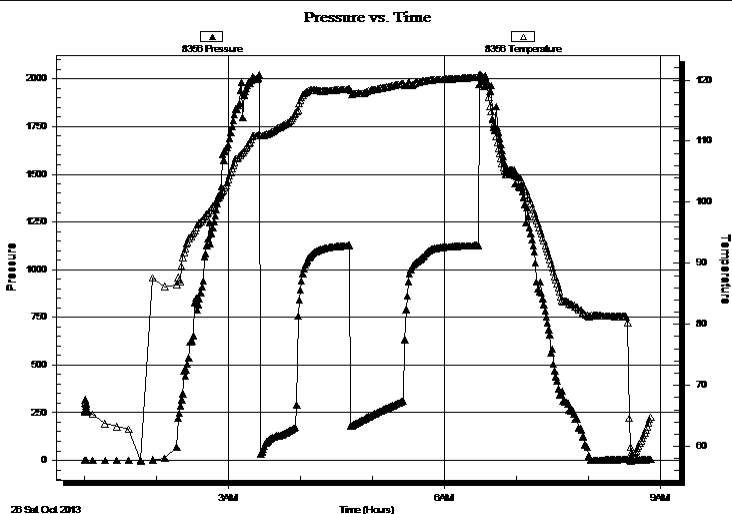
Formation: **LKC "H-I-J"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 03:27:00  
Time Test Ended: 08:52:30  
**Interval: 4136.00 ft (KB) To 4240.00 ft (KB) (TVD)**  
Total Depth: 4240.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Cornelio Landa III ( )  
Unit No: 60  
Reference Elevations: 2735.00 ft (KB)  
2730.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8356**

**Outside**

Press @ Run Depth: psig @ 4141.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.10.26 End Date: 2013.10.26 Last Calib.: 2013.10.26  
Start Time: 01:00:05 End Time: 08:52:29 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: B.o.b. in 11 mins.  
IS: Bled off in 2 mins.-No return  
FF: B.o.b. in 13 1/2 mins.  
FS: Bled off in 2 mins.-No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	Gm 10g 90m	0.60
258.00	Wom 10w 20o 70m	3.62
250.00	Om 15o 85m	3.51
0.00	58 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Forestar Petroleum Corporation

**11-18s-28w Lane,KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54523

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2013.10.26 @ 01:00:00

## Tool Information

Drill Pipe:	Length: 4004.00 ft	Diameter: 3.80 inches	Volume: 56.17 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: 24000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 56.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4136.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	104.00 ft			
Tool Length:	131.00 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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Stubb	1.00			4110.00	
Shut In Tool	5.00			4115.00	
Hydraulic tool	5.00			4120.00	
Jars	5.00			4125.00	
Safety Joint	2.00			4127.00	
Packer	5.00			4132.00	27.00 Bottom Of Top Packer
Packer	4.00			4136.00	
Stubb	1.00			4137.00	
Perforations	4.00			4141.00	
Recorder	0.00	8373	Inside	4141.00	
Recorder	0.00	8356	Outside	4141.00	
Perforations	25.00			4166.00	
Change Over Sub	1.00			4167.00	
Drill Pipe	63.00			4230.00	
Change Over Sub	1.00			4231.00	
Perforations	4.00			4235.00	
Bullnose	5.00			4240.00	104.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>131.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

**11-18s-28w Lane,KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54523

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2013.10.26 @ 01:00:00

## 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:

60000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in<sup>3</sup>

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 bbbl
122.00	Gm 10g 90m	0.600
258.00	Wom 10w 20o 70m	3.619
250.00	Om 15o 85m	3.507
0.00	58 GIP	0.000

Total Length: 630.00 ft      Total Volume: 7.726 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .19@47=60000

Serial #: 8373

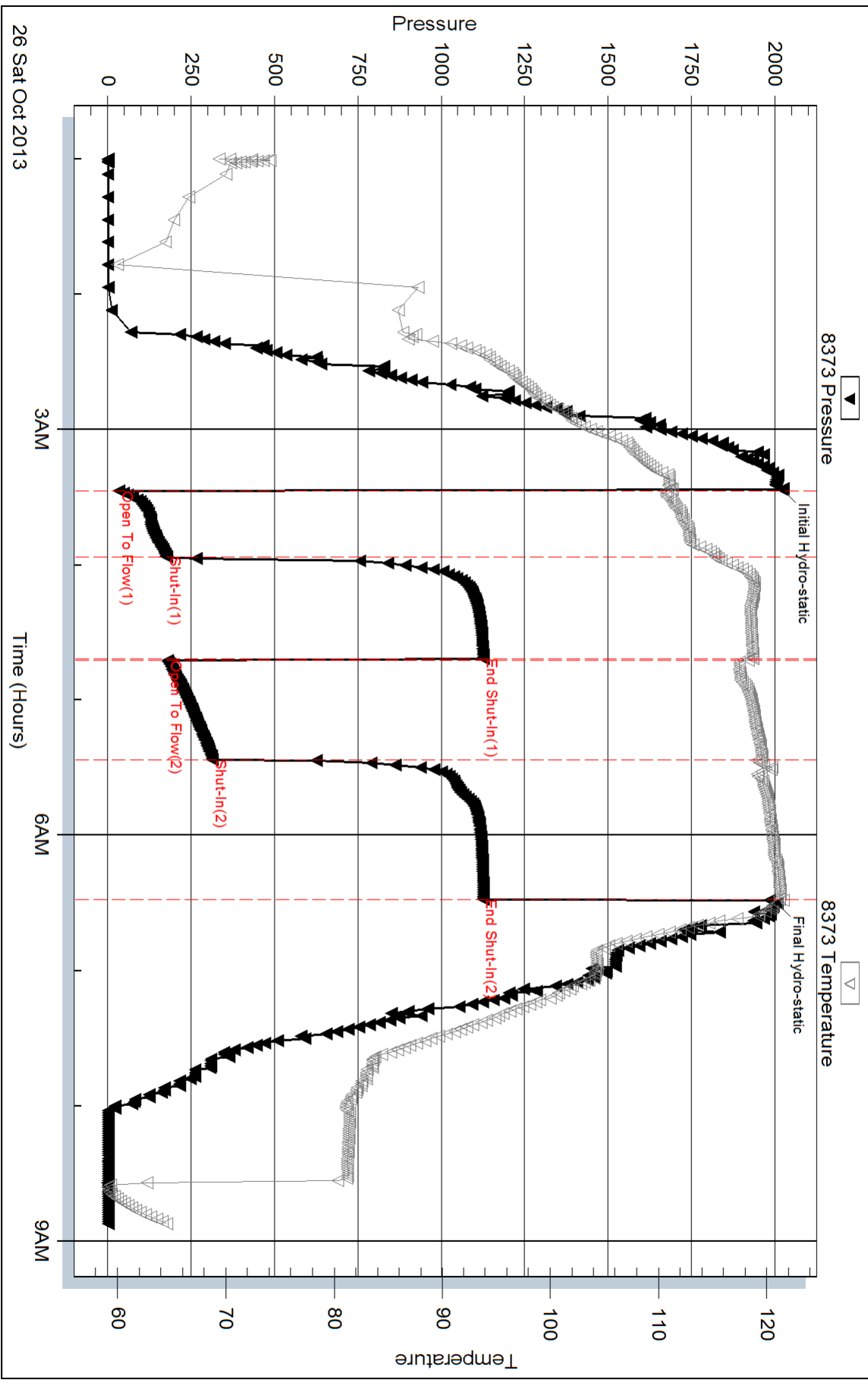
Inside

Forestar Petroleum Corporation

Selridge #1-11

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54523

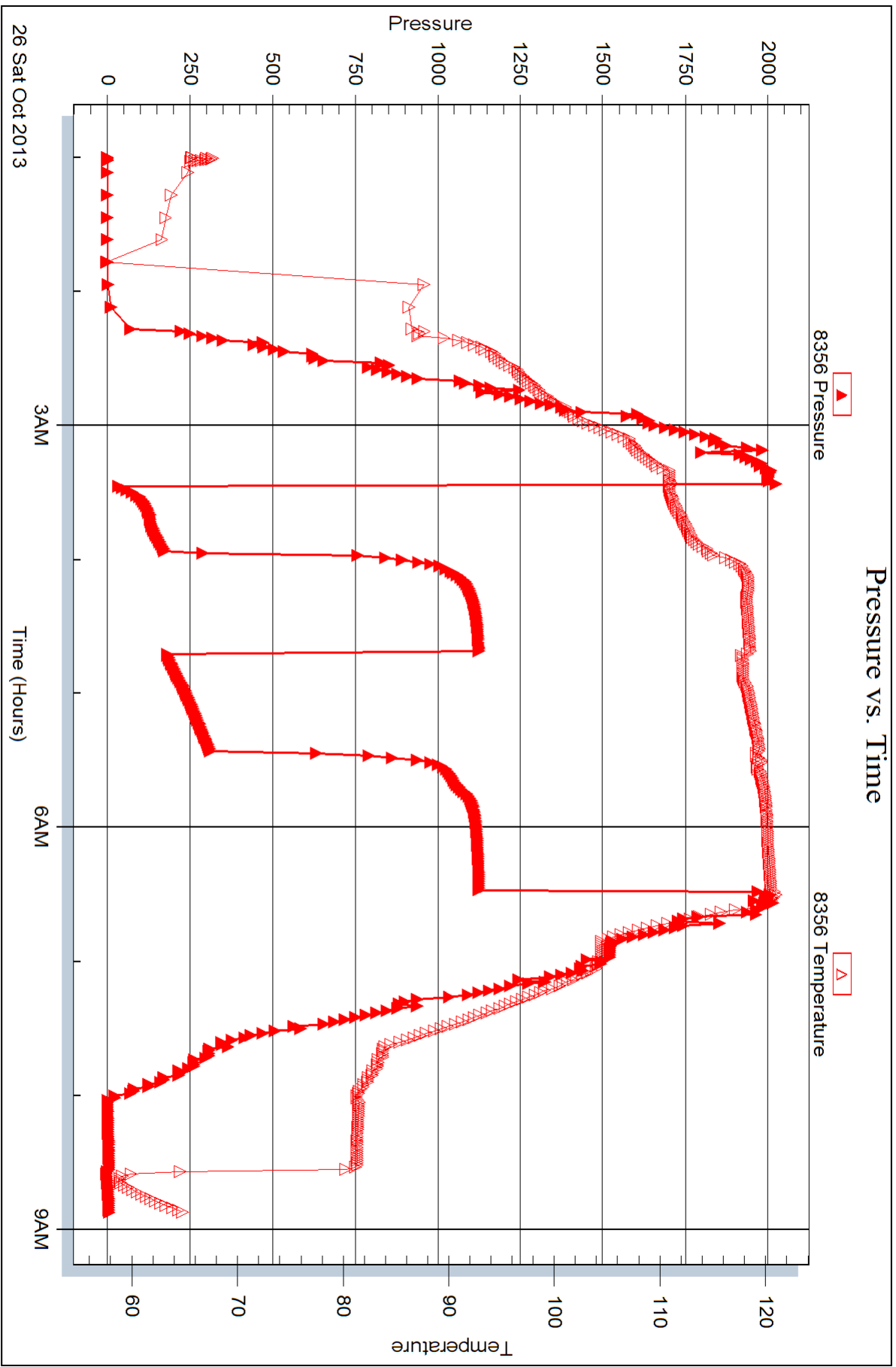
Printed: 2013.10.30 @ 11:38:08

Serial #: 8356

Outside    Forestar Petroleum Corporation

Selfridge #1-11

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway Ste. #600  
Denver, CO 80202

ATTN: Mac Armstrong

### **Selfridge #1-11**

#### **11-18s-28w Lane,KS**

Start Date: 2013.10.26 @ 21:33:00

End Date: 2013.10.27 @ 06:02:00

Job Ticket #: 54524                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.30 @ 11:37:42





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation  
 1801 Broadway Ste. #600  
 Denver, CO 80202  
 ATTN: Mac Armstrong

**11-18s-28w Lane, KS**  
**Selfridge #1-11**  
 Job Ticket: 54524      **DST#: 2**  
 Test Start: 2013.10.26 @ 21:33:00

## GENERAL INFORMATION:

Formation: **LKC "K"- Pleasonton**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 23:52:30  
 Tester: Cornelio Landa III (  
 Time Test Ended: 06:02:00  
 Unit No: 60  
**Interval: 4240.00 ft (KB) To 4342.00 ft (KB) (TVD)**  
 Reference Elevations: 2735.00 ft (KB)  
 Total Depth: 4342.00 ft (KB) (TVD) 2730.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

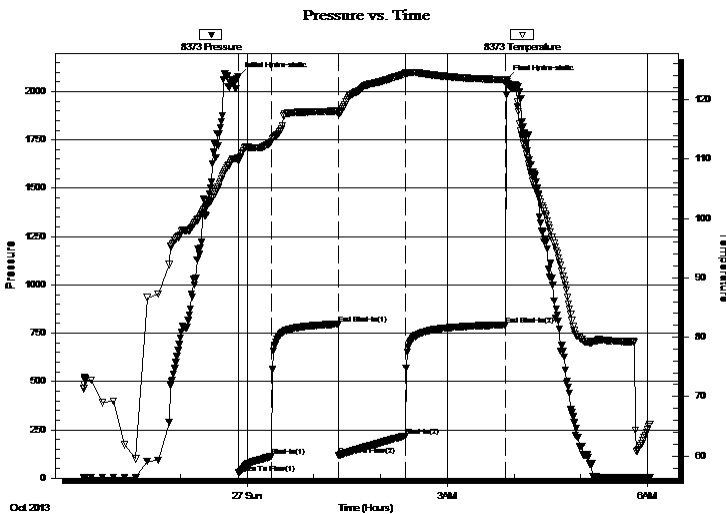
## Serial #: 8373

Inside

Press @ Run Depth: 218.09 psig @ 4242.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.26 End Date: 2013.10.27 Last Calib.: 2013.10.27  
 Start Time: 21:33:05 End Time: 06:01:59 Time On Btm: 2013.10.26 @ 23:52:00  
 Time Off Btm: 2013.10.27 @ 03:53:30

**TEST COMMENT:** IF: B.o.b. in 27 mins.  
 IS: Bled off in 2 mins.-No return  
 FF: B.o.b. in 30 mins.  
 FS: Bled off in 2 mins.-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.73	110.19	Initial Hydro-static
1	26.80	109.69	Open To Flow (1)
30	113.92	112.93	Shut-In(1)
90	796.68	118.08	End Shut-In(1)
91	117.69	117.69	Open To Flow (2)
150	218.09	124.28	Shut-In(2)
240	792.97	123.34	End Shut-In(2)
242	2060.81	122.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	Mud 100m	0.60
63.00	Mw 10m 90w	0.88
126.00	Mw 50m 50w	1.77
191.00	Mud 100m	2.68

\* 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 Corporation

**11-18s-28w Lane, KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54524

**DST#: 2**

ATTN: Mac Armstrong

Test Start: 2013.10.26 @ 21:33:00

### GENERAL INFORMATION:

Formation: **LKC "K"- Pleasonton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:52:30

Time Test Ended: 06:02:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 60

**Interval: 4240.00 ft (KB) To 4342.00 ft (KB) (TVD)**

Reference Elevations: 2735.00 ft (KB)

Total Depth: 4342.00 ft (KB) (TVD)

2730.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8356**

**Outside**

Press @ Run Depth: psig @ 4242.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.26

End Date:

2013.10.27

Last Calib.:

2013.10.27

Start Time: 21:33:05

End Time:

06:01:59

Time On Btm:

Time Off Btm:

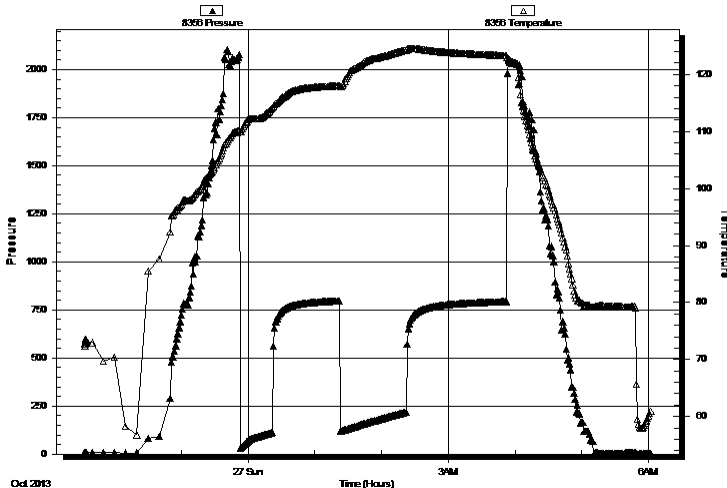
TEST COMMENT: IF: B.o.b. in 27 mins.

IS: Bled off in 2 mins.-No return

FF: B.o.b. in 30 mins.

FS: Bled off in 2 mins.-No return

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
122.00	Mud 100m	0.60
63.00	Mw 10m 90w	0.88
126.00	Mw 50m 50w	1.77
191.00	Mud 100m	2.68

### 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 Corporation

**11-18s-28w Lane, KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54524

**DST#: 2**

ATTN: Mac Armstrong

Test Start: 2013.10.26 @ 21:33:00

### Tool Information

Drill Pipe:	Length: 4099.00 ft	Diameter: 3.80 inches	Volume: 57.50 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: 24000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 58.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4240.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	129.00 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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Stubb	1.00			4214.00	
Shut In Tool	5.00			4219.00	
Hydraulic tool	5.00			4224.00	
Jars	5.00			4229.00	
Safety Joint	2.00			4231.00	
Packer	5.00			4236.00	27.00 Bottom Of Top Packer
Packer	4.00			4240.00	
Stubb	1.00			4241.00	
Perforations	1.00			4242.00	
Recorder	0.00	8373	Inside	4242.00	
Recorder	0.00	8356	Outside	4242.00	
Perforations	29.00			4271.00	
Change Over Sub	1.00			4272.00	
Drill Pipe	64.00			4336.00	
Change Over Sub	1.00			4337.00	
Bullnose	5.00			4342.00	102.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>129.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

**11-18s-28w Lane,KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54524

**DST#: 2**

ATTN: Mac Armstrong

Test Start: 2013.10.26 @ 21:33:00

## 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:

50000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	Mud 100m	0.600
63.00	Mw 10m 90w	0.884
126.00	Mw 50m 50w	1.767
191.00	Mud 100m	2.679

Total Length: 502.00 ft      Total Volume: 5.930 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .24@42=50000

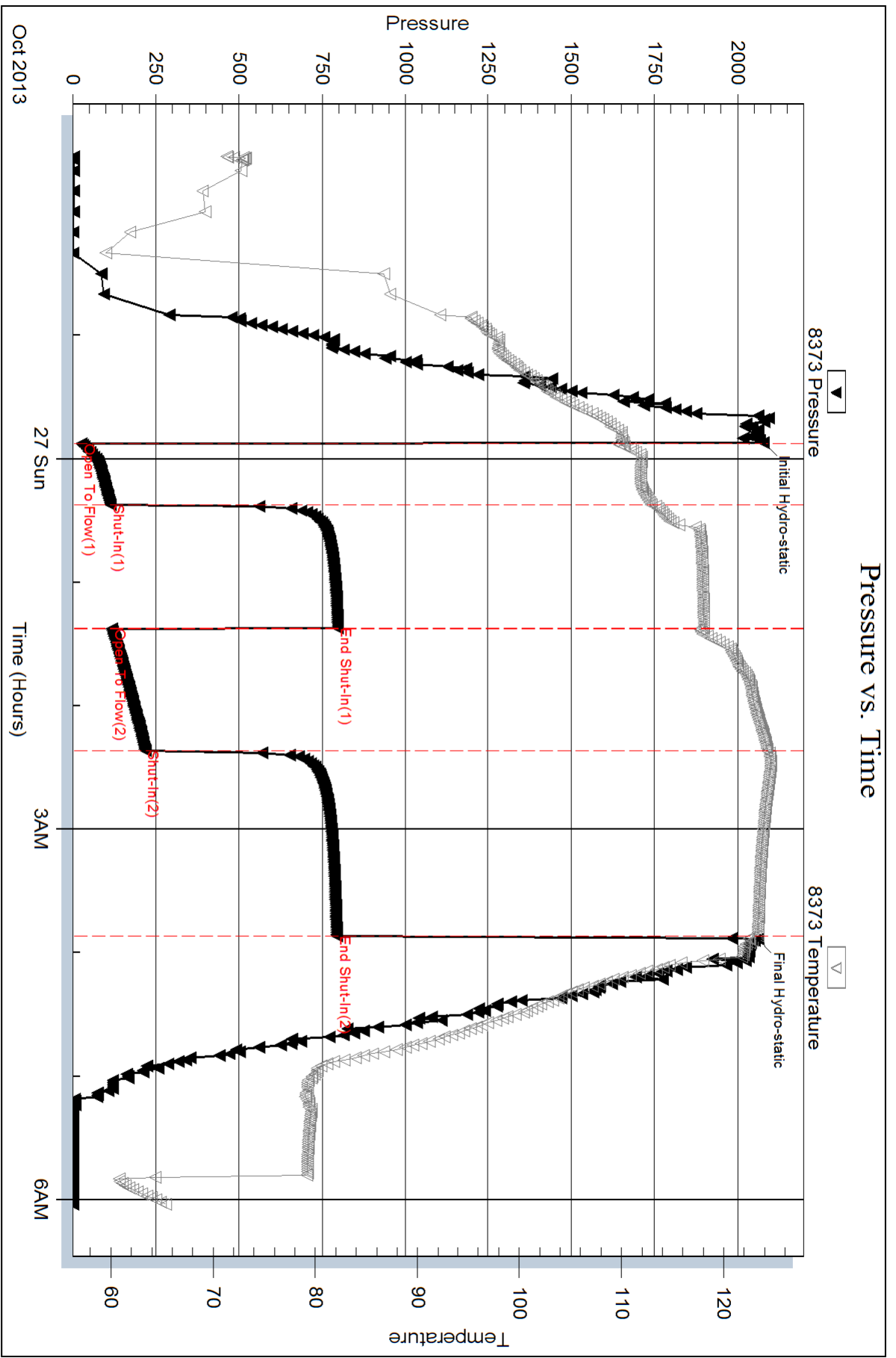
Serial #: 8373

Inside

Forestar Petroleum Corporation

Selfridge #1-11

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 54524

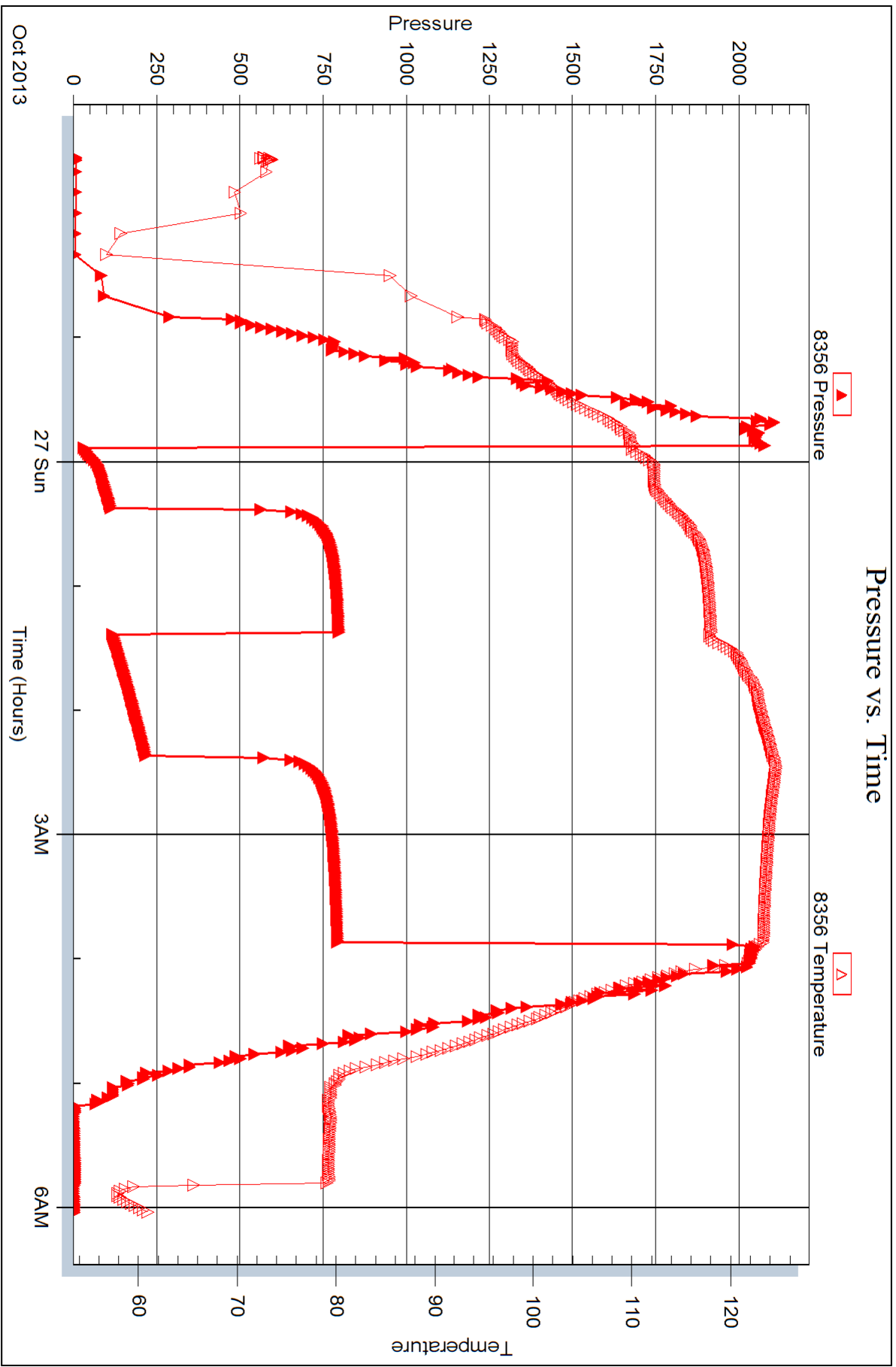
Printed: 2013.10.30 @ 11:37:43

Serial #: 8356

Outside Forstar Petroleum Corporation

Selridge #1-11

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54524

Printed: 2013.10.30 @ 11:37:44



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway Ste. #600  
Denver, CO 80202

ATTN: Mac Armstrong

### **Selfridge #1-11**

#### **11-18s-28w Lane,KS**

Start Date: 2013.10.27 @ 23:38:00

End Date: 2013.10.28 @ 07:45:00

Job Ticket #: 54526                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.30 @ 11:37:18



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

**11-18s-28w Lane, KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

ATTN: Mac Armstrong

Job Ticket: 54526

**DST#: 3**

Test Start: 2013.10.27 @ 23:38:00

## GENERAL INFORMATION:

Formation: **Pawnee-Ft Scott- Mar**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:51:00

Time Test Ended: 07:45:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 60

**Interval: 4340.00 ft (KB) To 4488.00 ft (KB) (TVD)**

Reference Elevations: 2735.00 ft (KB)

Total Depth: 4488.00 ft (KB) (TVD)

2730.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8373 Inside**

Press @ Run Depth: 43.40 psig @ 4342.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.27 End Date: 2013.10.28

Last Calib.: 2013.10.28

Start Time: 23:38:05 End Time: 07:44:59

Time On Btm: 2013.10.28 @ 01:50:30

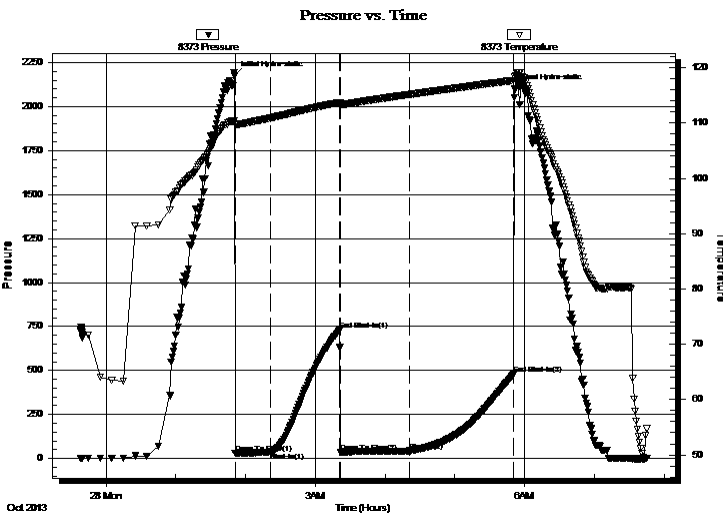
Time Off Btm: 2013.10.28 @ 05:51:30

TEST COMMENT: IF: 1 1/2" of Blow

IS: No return

FF: No Blow

FS: No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.08	110.42	Initial Hydro-static
1	29.62	109.78	Open To Flow (1)
31	35.35	110.91	Shut-In(1)
90	727.27	113.70	End Shut-In(1)
91	36.05	113.36	Open To Flow (2)
151	43.40	115.15	Shut-In(2)
240	477.13	117.70	End Shut-In(2)
241	2103.03	118.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Ocm 45o 55m	0.25
1.00	Clean oil	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation  
1801 Broadway Ste. #600  
Denver, CO 80202  
ATTN: Mac Armstrong

**11-18s-28w Lane, KS**  
**Selfridge #1-11**  
Job Ticket: 54526  
Test Start: 2013.10.27 @ 23:38:00

**DST#: 3**

## GENERAL INFORMATION:

Formation: **Pawnee-Ft Scott- Mar**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:51:00

Time Test Ended: 07:45:00

Interval: **4340.00 ft (KB) To 4488.00 ft (KB) (TVD)**

Total Depth: 4488.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 60

Reference Elevations: 2735.00 ft (KB)

2730.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8356**

**Outside**

Press @ Run Depth: psig @ 4342.00 ft (KB)

Start Date: 2013.10.27 End Date: 2013.10.28

Start Time: 23:38:05 End Time: 07:44:59

Capacity: 8000.00 psig

Last Calib.: 2013.10.28

Time On Btm:

Time Off Btm:

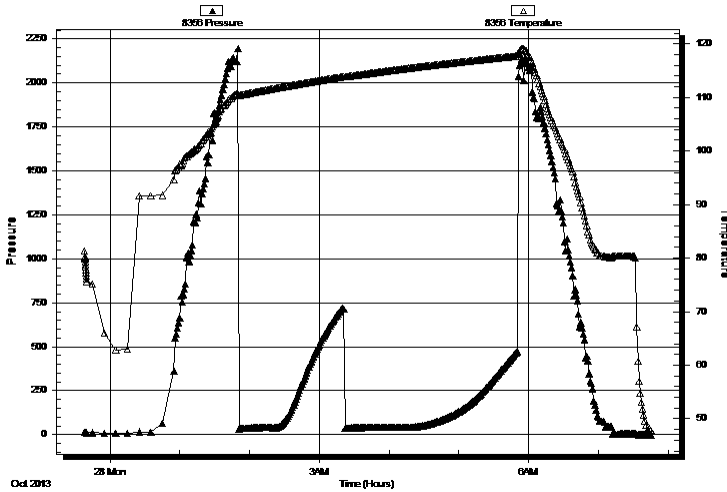
TEST COMMENT: IF: 1 1/2" of Blow

IS: No return

FF: No Blow

FS: No return

Pressure vs. Time



## PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
50.00	Ocm 45o 55m	0.25
1.00	Clean oil	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Forestar Petroleum Corporation

**11-18s-28w Lane, KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54526

**DST#: 3**

ATTN: Mac Armstrong

Test Start: 2013.10.27 @ 23:38:00

## Tool Information

Drill Pipe:	Length: 4218.00 ft	Diameter: 3.80 inches	Volume: 59.17 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: 22000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 59.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4340.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	148.00 ft			
Tool Length:	175.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4314.00	
Shut In Tool	5.00			4319.00	
Hydraulic tool	5.00			4324.00	
Jars	5.00			4329.00	
Safety Joint	2.00			4331.00	
Packer	5.00			4336.00	27.00 Bottom Of Top Packer
Packer	4.00			4340.00	
Stubb	1.00			4341.00	
Perforations	1.00			4342.00	
Recorder	0.00	8373	Inside	4342.00	
Recorder	0.00	8356	Outside	4342.00	
Perforations	12.00			4354.00	
Change Over Sub	1.00			4355.00	
Drill Pipe	127.00			4482.00	
Change Over Sub	1.00			4483.00	
Bullnose	5.00			4488.00	148.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>175.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

**11-18s-28w Lane, KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54526

**DST#: 3**

ATTN: Mac Armstrong

Test Start: 2013.10.27 @ 23:38:00

## 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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Ocm 45o 55m	0.246
1.00	Clean oil	0.005

Total Length: 51.00 ft      Total Volume: 0.251 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

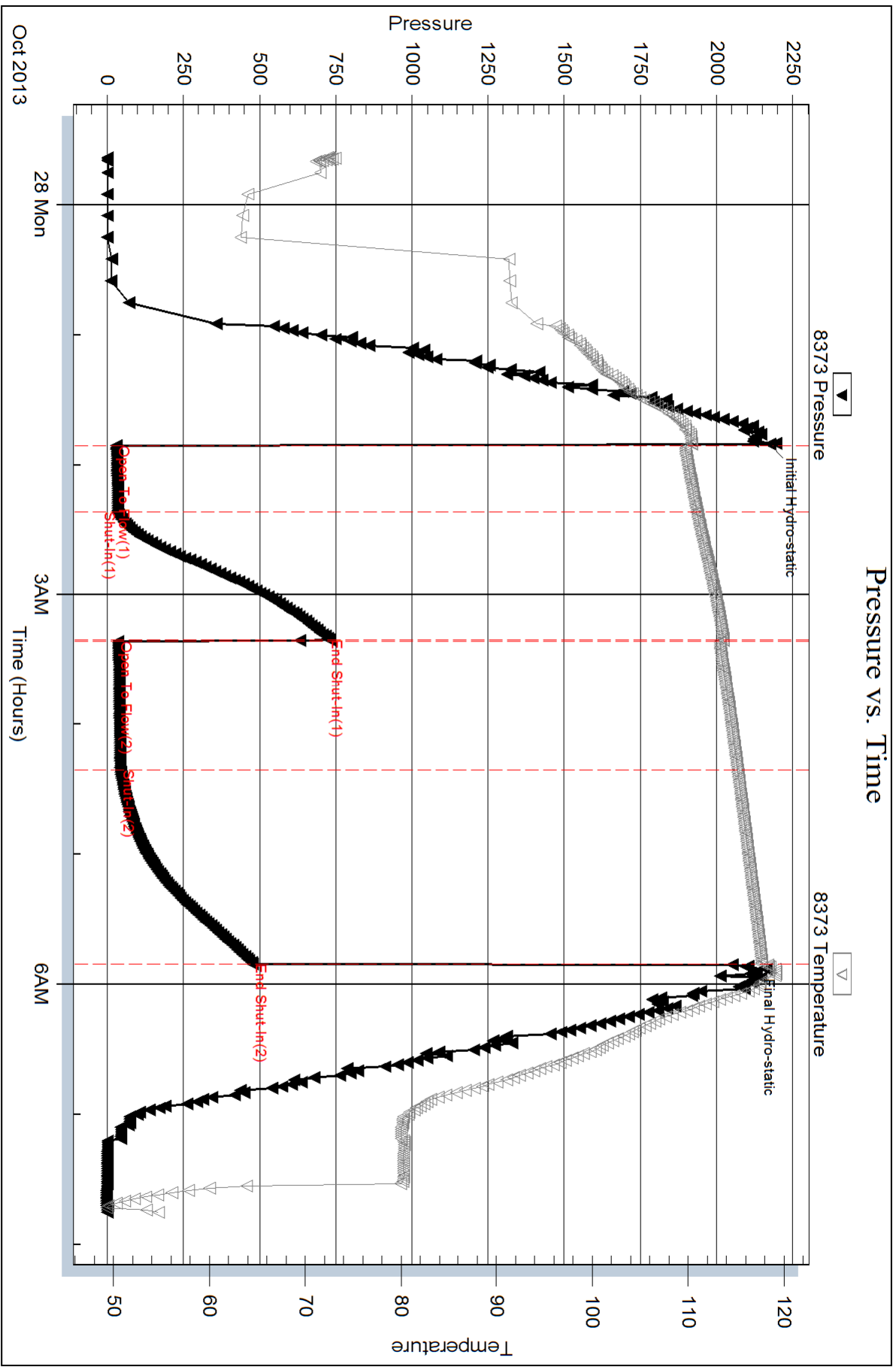
Serial #: 8373

Inside

Forestar Petroleum Corporation

Selfridge #1-11

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 54526

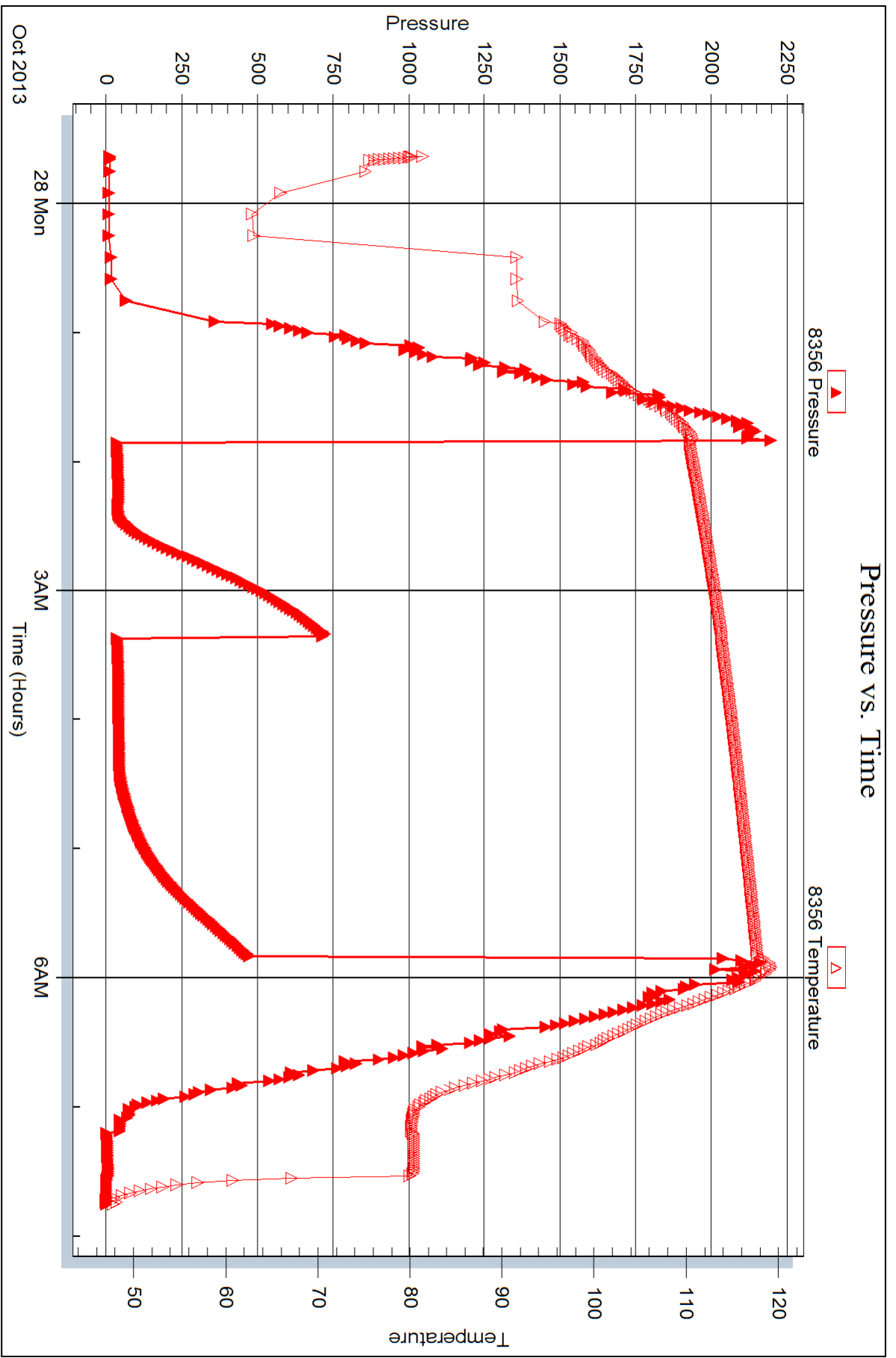
Printed: 2013.10.30 @ 11:37:20

Serial #: 8356

Outside Forestar Petroleum Corporation

Selridge #1-11

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway Ste. #600  
Denver, CO 80202

ATTN: Mac Armstrong

### **Selfridge #1-11**

#### **11-18s-28w Lane,KS**

Start Date: 2013.10.28 @ 18:41:00

End Date: 2013.10.29 @ 02:33:30

Job Ticket #: 54527                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.30 @ 11:36:51



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation  
 1801 Broadway Ste. #600  
 Denver, CO 80202  
 ATTN: Mac Armstrong

**11-18s-28w Lane, KS**  
**Selfridge #1-11**  
 Job Ticket: 54527      **DST#: 4**  
 Test Start: 2013.10.28 @ 18:41:00

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson-Mor**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 20:46:30 Tester: Cornelio Landa III (  
 Time Test Ended: 02:33:30 Unit No: 60  
 Interval: **4484.00 ft (KB) To 4580.00 ft (KB) (TVD)** Reference Elevations: 2735.00 ft (KB)  
 Total Depth: 4580.00 ft (KB) (TVD) 2730.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

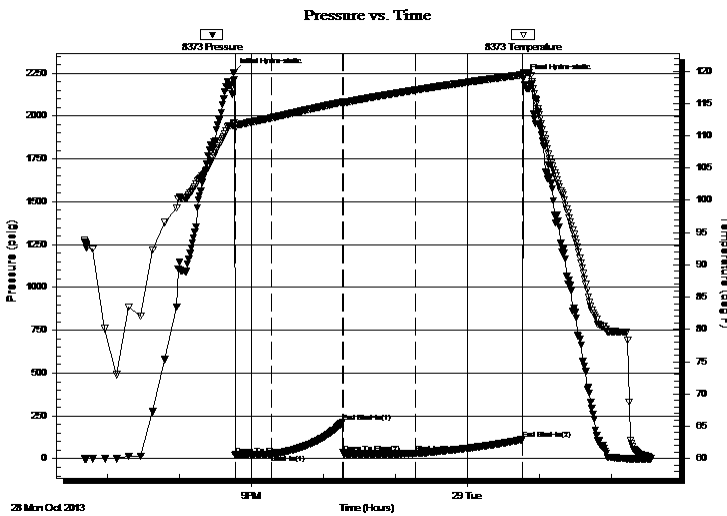
## Serial #: 8373

Inside

Press @ Run Depth: 30.67 psig @ 4490.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.28 End Date: 2013.10.29 Last Calib.: 2013.10.29  
 Start Time: 18:41:05 End Time: 02:33:29 Time On Btm: 2013.10.28 @ 20:45:30  
 Time Off Btm: 2013.10.29 @ 00:47:00

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

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.81	111.99	Initial Hydro-static
1	22.18	111.20	Open To Flow (1)
32	26.95	112.78	Shut-In(1)
91	212.04	115.21	End Shut-In(1)
91	34.13	115.08	Open To Flow (2)
152	30.67	117.09	Shut-In(2)
241	112.68	119.43	End Shut-In(2)
242	2219.07	119.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	GOCM 10g 20o 70m	0.15

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

11-18s-28w Lane, KS

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54527

**DST#: 4**

ATTN: Mac Armstrong

Test Start: 2013.10.28 @ 18:41:00

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson-Mor**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:46:30

Time Test Ended: 02:33:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 60

**Interval: 4484.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Total Depth: 4580.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2735.00 ft (KB)

2730.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8356 Outside**

Press @ Run Depth: psig @ 4490.00 ft (KB)

Start Date: 2013.10.28

End Date: 2013.10.29

Capacity: 8000.00 psig

Last Calib.: 2013.10.29

Start Time: 18:41:05

End Time: 02:33:29

Time On Btm:

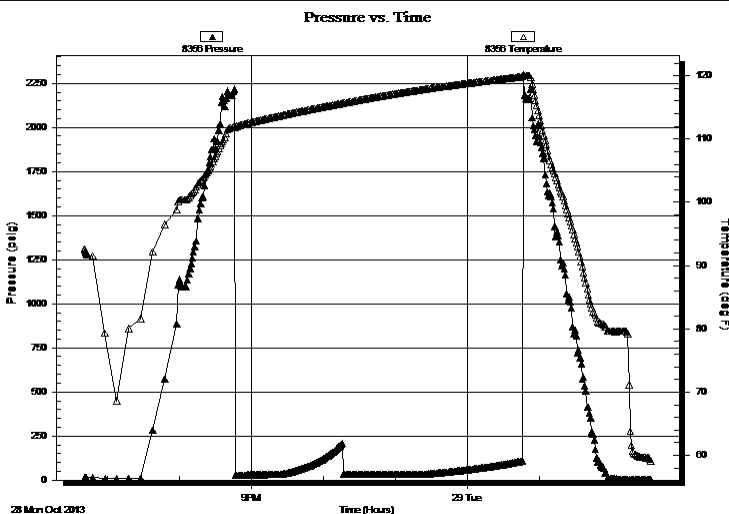
Time Off Btm:

TEST COMMENT: IF: 1/2" of blow

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)
30.00	GOCM 10g 20o 70m	0.15

\* 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 Corporation

**11-18s-28w Lane, KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54527

**DST#: 4**

ATTN: Mac Armstrong

Test Start: 2013.10.28 @ 18:41:00

## Tool Information

Drill Pipe:	Length: 4352.00 ft	Diameter: 3.80 inches	Volume: 61.05 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: 22000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 61.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4484.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	123.00 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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Stubb	1.00			4458.00	
Shut In Tool	5.00			4463.00	
Hydraulic tool	5.00			4468.00	
Jars	5.00			4473.00	
Safety Joint	2.00			4475.00	
Packer	5.00			4480.00	27.00 Bottom Of Top Packer
Packer	4.00			4484.00	
Stubb	1.00			4485.00	
Perforations	5.00			4490.00	
Recorder	0.00	8373	Inside	4490.00	
Recorder	0.00	8356	Outside	4490.00	
Perforations	20.00			4510.00	
Change Over Sub	1.00			4511.00	
Drill Pipe	63.00			4574.00	
Change Over Sub	1.00			4575.00	
Bullnose	5.00			4580.00	96.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>123.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

**11-18s-28w Lane, KS**

1801 Broadway Ste. #600  
Denver, CO 80202

**Selfridge #1-11**

Job Ticket: 54527

**DST#: 4**

ATTN: Mac Armstrong

Test Start: 2013.10.28 @ 18:41:00

## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GOCM 10g 20o 70m	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8373

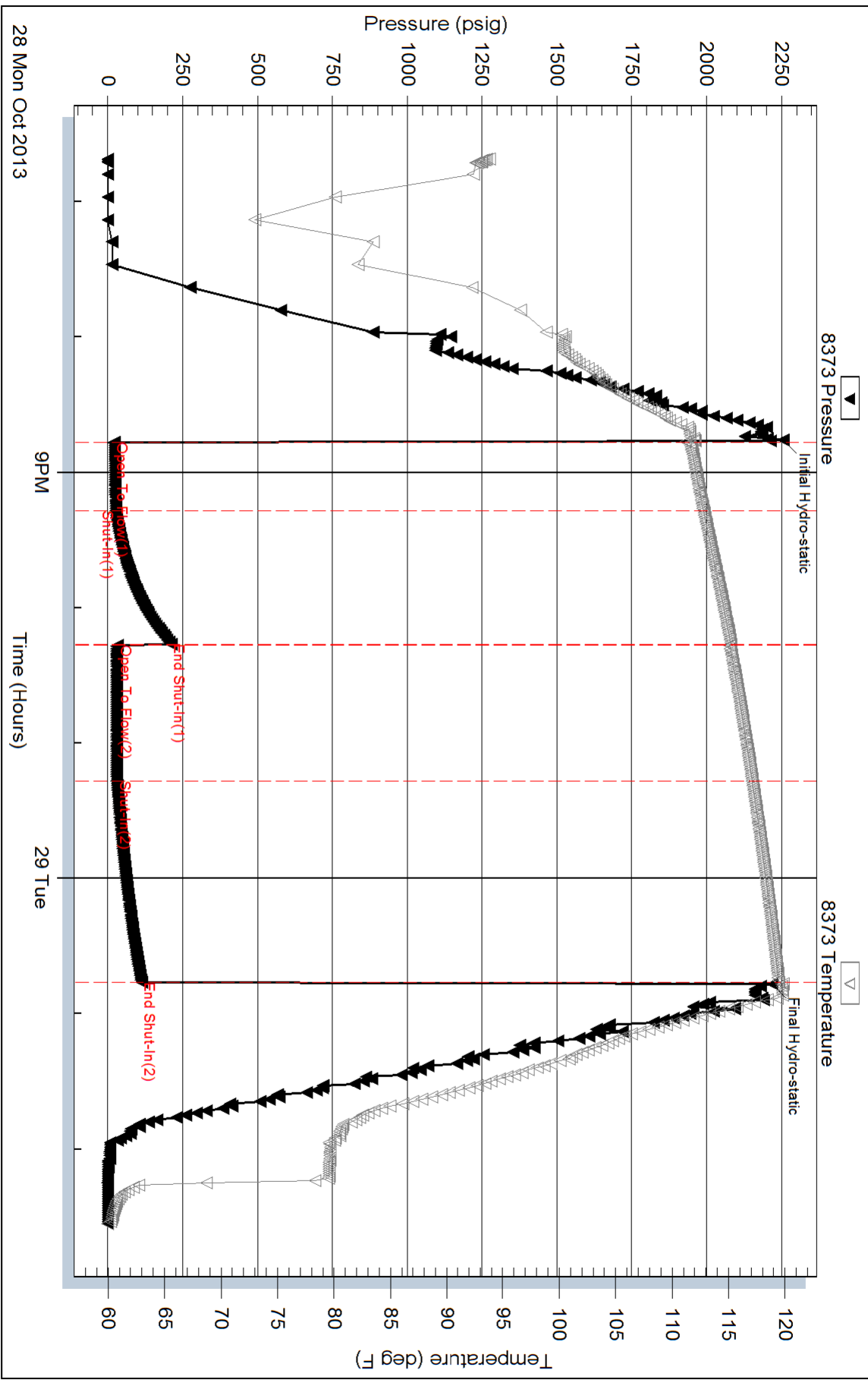
Inside

Forestar Petroleum Corporation

Selfridge #1-11

DST Test Number: 4

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54527

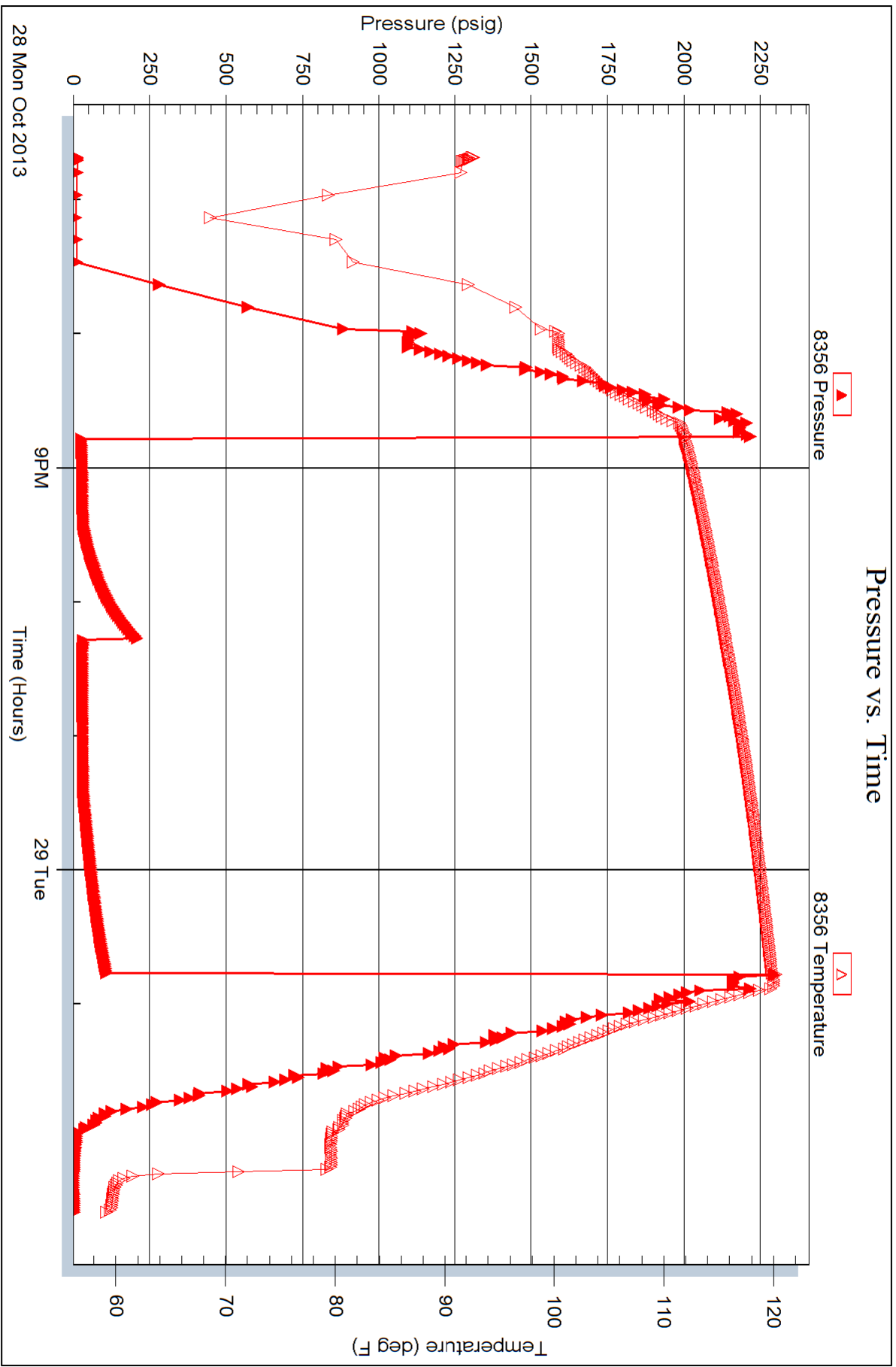
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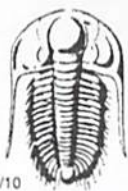
Serial #: 8356

Outside Forestar Petroleum Corporation

Selfridge #1-11

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **54523**

4/10

Well Name & No. Selfridge # 1-11 Test No. 1 Date 10-26-13  
 Company Forestar Petroleum Corporation Elevation 2735 KB 2730 GL  
 Address 1801 Broadway Ste #600 - Denver, Co 80202  
 Co. Rep / Geo. Mac Armstrong Rig WW#8  
 Location: Sec. 11 Twp. 18S Rge. 28W Co. Lane State Ks

Interval Tested 4136-4240 Zone Tested Lansing "H-I-J"  
 Anchor Length 104 Drill Pipe Run 4004' Mud Wt. 9.1  
 Top Packer Depth 4132 Drill Collars Run 122 Vis 57  
 Bottom Packer Depth 4136 Wt. Pipe Run Ø WL 610  
 Total Depth 4240 Chlorides 2000 ppm System LCM #3

Blow Description IF: Bobby 11 mins.  
ISI: Bled off in 2 mins - NO Return  
FF: Bobby 13 1/2 mins.  
FSI: Bled off in 2 mins. - No Return

Rec	Feet of	%gas	%oil	%water	%mud
122	9m	10			90
258	W/cm		20	10	70
230	Ø on Ocm		15		85
	58 GIP				

Rec Total 600 BHT 120 Gravity — API RW 19 @ 47 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 2022  Test 1250 T-On Location 00:15  
 (B) First Initial Flow 33  Jars 250 T-Started 0:100  
 (C) First Final Flow 177  Safety Joint 75 T-Open 03:28  
 (D) Initial Shut-In 1127  Circ Sub N/C T-Pulled 06:28  
 (E) Second Initial Flow 180  Hourly Standby T-Out 08:54  
 (F) Second Final Flow 313  Mileage 66 RIT 102.30 Comments \_\_\_\_\_  
 (G) Final Shut-In 1127  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2007  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 45  Day Standby \_\_\_\_\_ Total 1927.30  
 Final Shut-In 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1927.30

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. 54524

Well Name & No. Selfridge #1-11 Test No. 2 Date 10-24-13  
 Company Forestar Petroleum Corporation Elevation 2735 KB 2730 GL  
 Address ~~1000~~ ~~Amstrong~~ 1801 Broadway Ste #600 - Denver, Co 80202  
 Co. Rep / Geo. Mac Armstrong Rig WW #8  
 Location: Sec. 11 Twp. 18S Rge. 28W Co. Lane State KS

Interval Tested 4240-4342 Zone Tested Lansing "K&L" - Pleasanton  
 Anchor Length 102 Drill Pipe Run 4099 Mud Wt. 90  
 Top Packer Depth 4236 Drill Collars Run 122 Vis 57  
 Bottom Packer Depth ~~4236~~ 4240 Wt. Pipe Run Ø WL 60  
 Total Depth 4342 Chlorides 1800 ppm System LCM #3

Blow Description IF: Bob in 27 mins.  
ISF: Bled off in 2 mins - No Return  
FF: B.O. in 30 mins.  
BSF: Bled off in 2 mins - No Return

Rec	Feet of	%gas	%oil	%water	%mud
122	mud				100
03	mw			90	10
126	mw			50	50
191	mud				100

Rec Total 502 BHT 122 Gravity — API RW .24 @ 42 °F Chlorides 5900 ppm

(A) Initial Hydrostatic 2077  Test 1250 T-On Location 21:20  
 (B) First Initial Flow 26  Jars 250 T-Started 21:33  
 (C) First Final Flow 113  Safety Joint 75 T-Open 23:52  
 (D) Initial Shut-In 796  Circ Sub n/c T-Pulled ~~0:35~~ 0:352  
 (E) Second Initial Flow 117  Hourly Standby T-Out 06:02  
 (F) Second Final Flow 218  Mileage 102.30 Comments  
 (G) Final Shut-In 792  Sampler  
 (H) Final Hydrostatic 2060  Straddle  Ruined Shale Packer

Shale Packer 250  Ruined Packer  
 Extra Packer  Extra Copies  
 Initial Open 30  Extra Recorder Sub Total 0  
 Initial Shut-In 40  Day Standby Total 1927.30  
 Final Flow 60  Accessibility MP/DST Disc't  
 Final Shut-In 90 Sub Total 1927.30

Approved By \_\_\_\_\_ Our Representative Callahan CLM

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. **54526**

Well Name & No. Selfridge #1-11 Test No. 3 Date 10-27-13  
 Company Forestar Petroleum Corporation Elevation 2735 KB 2730 GL  
 Address 1801 Broadway Ste #600 - Denver, Co, 80202  
 Co. Rep / Geo. Mac Armstrong Rig WW#8  
 Location: Sec. 11 Twp. 18S Rge. 28W Co. Lane State KS

Interval Tested 4340-4488 Zone Tested Ft Scott - Pawnee - Mammoth - Attenu  
 Anchor Length 148' Drill Pipe Run ~~4218~~ 4218 Mud Wt. 9.3  
 Top Packer Depth 4336 Drill Collars Run 122 Vis 57  
 Bottom Packer Depth 4340 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4488 Chlorides 2700 ppm System LCM #1

Blow Description FF. 1/2 in of Blow  
FSI. No Return  
FF. NO Blow  
FSI. NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>0cm</u>	<u>45</u>		<u>55</u>	
<u>1</u>	<u>Clean Oil</u>	<u>100</u>			

Rec Total 51 BHT 118 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2174</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>23:10</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:38</u>
(C) First Final Flow <u>35</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>01:51</u>
(D) Initial Shut-In <u>727</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>05:51</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>07:45</u>
(F) Second Final Flow <u>43</u>	<input checked="" type="checkbox"/> Mileage <u>102.30</u>	Comments _____
(G) Final Shut-In <u>477</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2103</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</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>1927.30</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1927.30</u>	

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

Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54527

Well Name & No. Selfridge #1-11 Test No. 4 Date 10-28-13  
 Company Forestar Petroleum Corporation Elevation 2735 KB 2730 GL  
 Address 1801 Broadway Ste #600 - Denver, Co - 80202  
 Co. Rep / Geo. Mac Armstrong Rig WW #8  
 Location: Sec. 11 Twp. 18s Rge. 28W Co. Lane State KS

Interval Tested 4484-4580 Zone Tested Cherokee-Johnson-Morrow  
 Anchor Length 96 Drill Pipe Run 4352 Mud Wt. 9.3  
 Top Packer Depth 4480 Drill Collars Run 122 Vis 50  
 Bottom Packer Depth 4484 Wt. Pipe Run Ø WL 6.4  
 Total Depth 4580 Chlorides 2300 ppm System LCM #1

Blow Description FF. 1/2 in. of Blow  
ISE No Return  
FF. No Blow  
ISE No Return

Rec	Feet of	%gas	%oil	%water	%mud
30	60cm	10	20	70	

Rec Total 30 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2254</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>18:26</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>18:41</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>20:46</u>
(D) Initial Shut-In <u>212</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>00:46</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>02:34</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage 204.60	Comments <u>Brandon loaded tools</u>
(G) Final Shut-In <u>112</u>	<input type="checkbox"/> Sampler	<u>10/29 21:30</u>
(H) Final Hydrostatic <u>2219</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer 350
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer 250	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</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>2379.60</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2029.60</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]

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