



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway Ste. 600  
Denver, CO 80202

ATTN: Larry Nicholson

**LCF #2-11**

**11 17s 29w Lane,KS**

Start Date: 2014.05.15 @ 11:23:00

End Date: 2014.05.15 @ 20:33:45

Job Ticket #: 57647                      DST #: 1

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

Printed: 2014.05.20 @ 14:58:15

Forestar Petroleum Corporation  
11 17s 29w Lane,KS  
LCF #2-11  
DST # 1  
LKC K-L  
2014.05.15



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

11 17s 29w Lane, KS

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57647

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2014.05.15 @ 11:23:00

## GENERAL INFORMATION:

Formation: **LKC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:31:30

Time Test Ended: 20:33:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

**Interval: 4230.00 ft (KB) To 4317.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4317.00 ft (KB) (TVD)

2792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8522 Outside**

Press@RunDepth: 215.08 psig @ 4231.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.15

End Date:

2014.05.15

Last Calib.:

2014.05.15

Start Time: 11:23:05

End Time:

20:33:45

Time On Btm:

2014.05.15 @ 13:31:00

Time Off Btm:

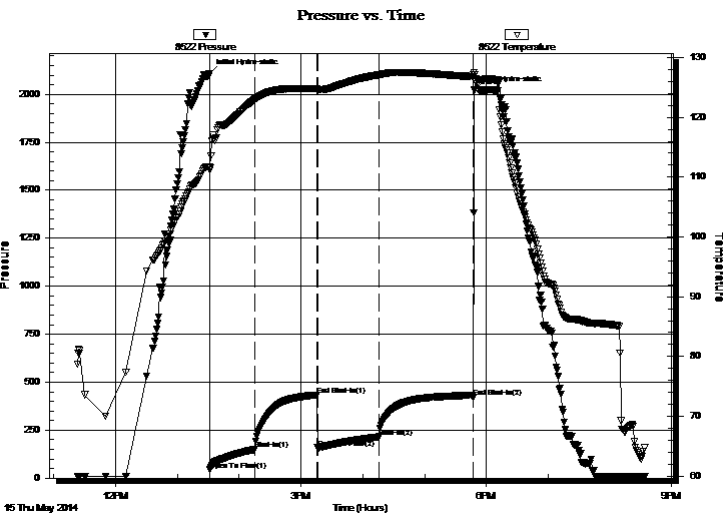
2014.05.15 @ 17:48:15

TEST COMMENT: IF: BOB @ 30 min.

IS: No return.

FF: 6" return.

FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.80	111.70	Initial Hydro-static
1	42.88	111.14	Open To Flow (1)
45	149.50	123.00	Shut-In(1)
105	433.13	124.77	End Shut-In(1)
105	157.21	124.61	Open To Flow (2)
165	215.08	127.13	Shut-In(2)
256	419.84	126.80	End Shut-In(2)
258	2021.26	127.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
330.00	mcw 10m 90w (oil spots)	3.51
30.00	go 10g 90o	0.42
0.00	90' 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 17s 29w Lane, KS**

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57647

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2014.05.15 @ 11:23:00

## Tool Information

Drill Pipe:	Length: 4092.00 ft	Diameter: 3.80 inches	Volume: 57.40 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: 75000.00 lb
			<u>Total Volume: 58.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4230.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	114.00 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
Change Over Sub	1.00			4204.00	
Shut In Tool	5.00			4209.00	
Hydraulic tool	5.00			4214.00	
Jars	5.00			4219.00	
Safety Joint	2.00			4221.00	
Packer	5.00			4226.00	27.00 Bottom Of Top Packer
Packer	4.00			4230.00	
Stubb	1.00			4231.00	
Recorder	0.00	8678	Inside	4231.00	
Recorder	0.00	8522	Outside	4231.00	
Perforations	19.00			4250.00	
Change Over Sub	1.00			4251.00	
Drill Pipe	62.00			4313.00	
Change Over Sub	1.00			4314.00	
Bullnose	3.00			4317.00	87.00 Bottom Packers & Anchor

**Total Tool Length: 114.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Forestar Petroleum Corporation

**11 17s 29w Lane, KS**

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57647

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2014.05.15 @ 11:23:00

### 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:

73000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
330.00	mcw 10m 90w (oil spots)	3.509
30.00	go 10g 90o	0.421
0.00	90' GIP	0.000

Total Length: 360.00 ft      Total Volume: 3.930 bbl

Num Fluid Samples: 0

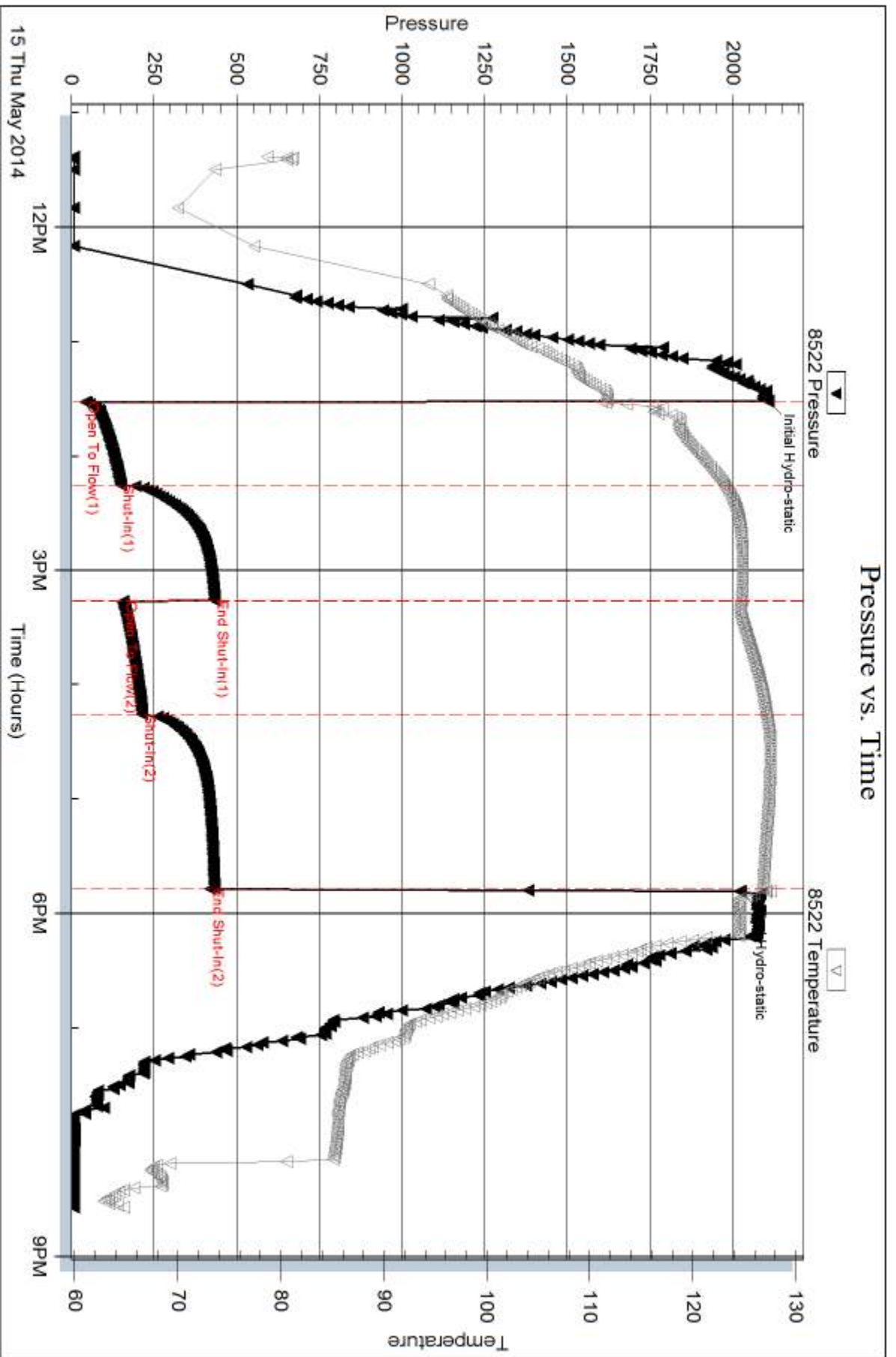
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .123 @ 63F = 73,000ppm



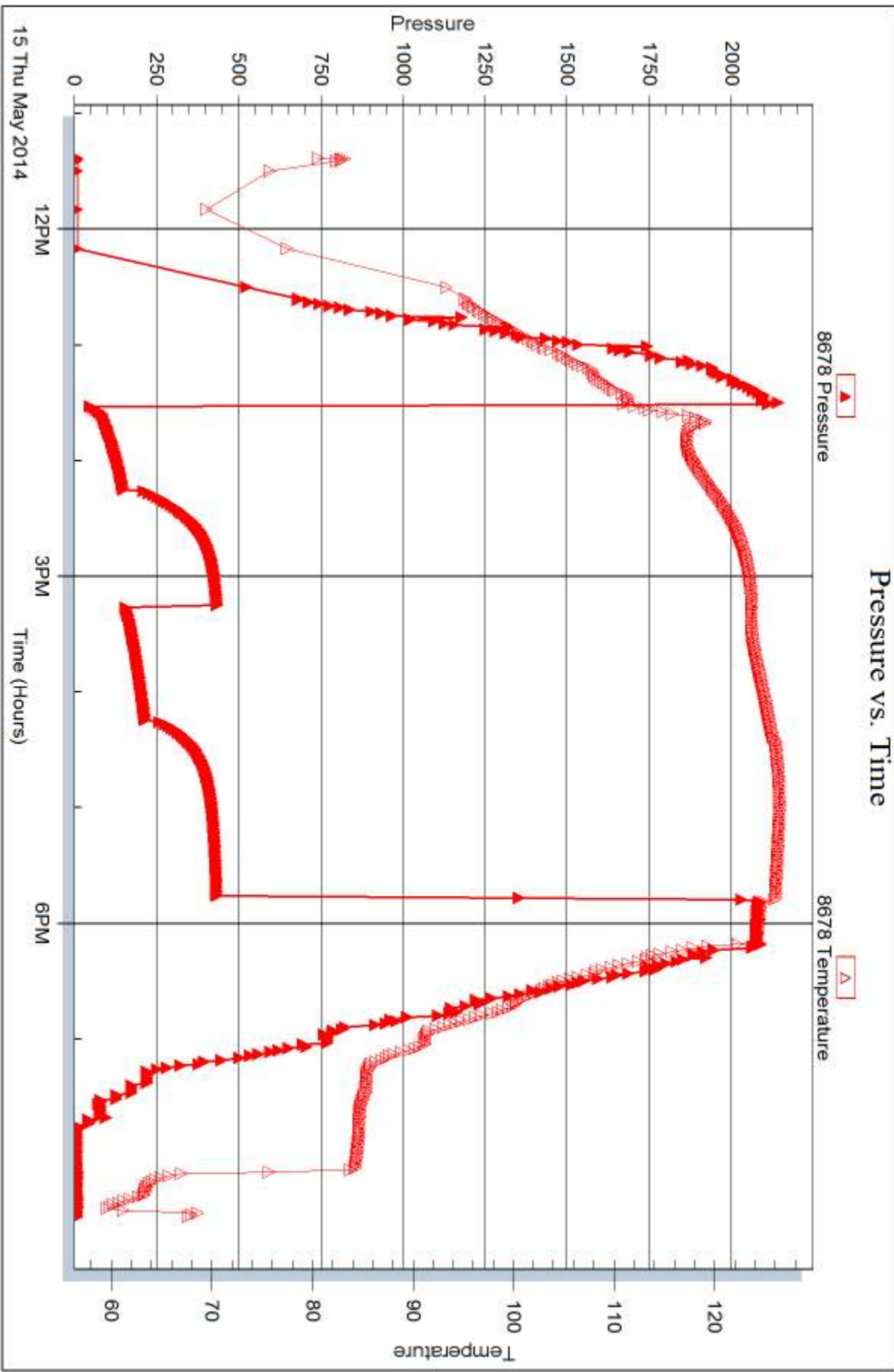
Serial #: 8678

Inside

Forestar Petroleum Corporation

LOF #2-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57647

Printed: 2014.05.20 @ 14:58:17



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway Ste. 600  
Denver, CO 80202

ATTN: Larry Nicholson

**LCF #2-11**

**11 17s 29w Lane,KS**

Start Date: 2014.05.16 @ 14:11:00

End Date: 2014.05.16 @ 21:54:00

Job Ticket #: 57648                      DST #: 2

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

Printed: 2014.05.20 @ 14:57:42





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

11 17s 29w Lane, KS

1801 Broadway Ste. 600  
Denver, CO 80202

LCF #2-11

Job Ticket: 57648

DST#: 2

ATTN: Larry Nicholson

Test Start: 2014.05.16 @ 14:11:00

## GENERAL INFORMATION:

Formation: **Marmaton - Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:27:45

Time Test Ended: 21:54:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4311.00 ft (KB) To 4454.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4454.00 ft (KB) (TVD)

2792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8522 Outside**

Press@RunDepth: 294.27 psig @ 4312.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.16

End Date:

2014.05.16

Last Calib.:

2014.05.16

Start Time: 14:11:05

End Time:

21:53:59

Time On Btm:

2014.05.16 @ 16:27:00

Time Off Btm:

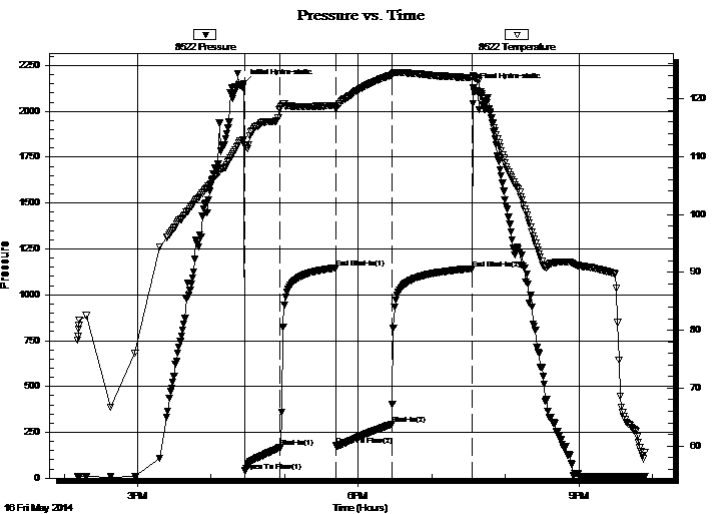
2014.05.16 @ 19:34:00

TEST COMMENT: IF: BOB @ 10 min.

IS: 1" return.

FF: BOB @ 9 min.

FS: 5" return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.83	112.94	Initial Hydro-static
1	39.83	111.84	Open To Flow (1)
29	165.92	118.30	Shut-In(1)
75	1146.30	118.85	End Shut-In(1)
76	177.16	118.31	Open To Flow (2)
121	294.27	124.10	Shut-In(2)
186	1141.98	123.60	End Shut-In(2)
187	2129.11	123.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	somcw 1o 24m 75w	3.23
200.00	gmco 30g 25m 45o	2.81
90.00	go 20g 80o	1.26
0.00	940' GIP	0.00

\* Recovery from multiple tests

## 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: Larry Nicholson

**11 17s 29w Lane,KS**  
**LCF #2-11**  
 Job Ticket: 57648      **DST#: 2**  
 Test Start: 2014.05.16 @ 14:11:00

### GENERAL INFORMATION:

Formation: **Marmaton - Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:27:45

Time Test Ended: 21:54:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4311.00 ft (KB) To 4454.00 ft (KB) (TVD)**

Total Depth: 4454.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2797.00 ft (KB)

2792.00 ft (CF)

KB to GR/CF: 5.00 ft

### Serial #: 8678

Inside

Press@RunDepth: psig @ 4312.00 ft (KB)

Start Date: 2014.05.16

End Date:

2014.05.16

Capacity: 8000.00 psig

Last Calib.:

2014.05.16

Start Time: 14:11:05

End Time:

21:52:44

Time On Btm:

Time Off Btm:

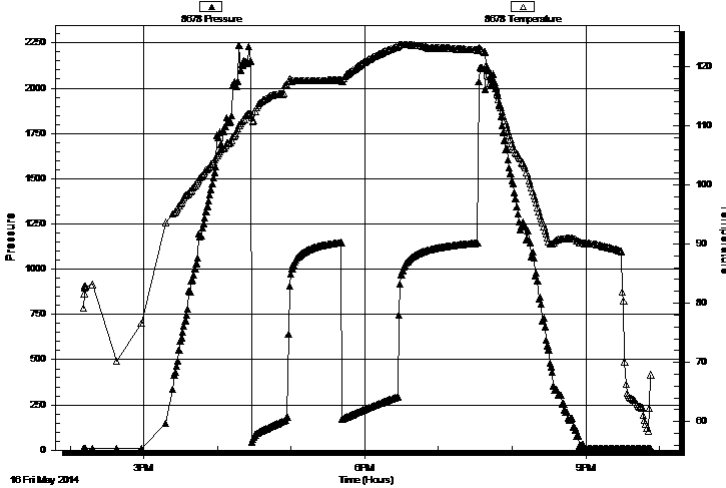
TEST COMMENT: IF: BOB @ 10 min.

IS: 1" return.

FF: BOB @ 9 min.

FS: 5" return.

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
310.00	somcw 1o 24m 75w	3.23
200.00	gmco 30g 25m 45o	2.81
90.00	go 20g 80o	1.26
0.00	940' GIP	0.00

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

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57648

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2014.05.16 @ 14:11:00

## Tool Information

Drill Pipe:	Length: 4191.00 ft	Diameter: 3.80 inches	Volume: 58.79 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: 79000.00 lb
			<u>Total Volume: 59.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4311.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	143.00 ft			
Tool Length:	170.00 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			4285.00	
Shut In Tool	5.00			4290.00	
Hydraulic tool	5.00			4295.00	
Jars	5.00			4300.00	
Safety Joint	2.00			4302.00	
Packer	5.00			4307.00	27.00 Bottom Of Top Packer
Packer	4.00			4311.00	
Stubb	1.00			4312.00	
Recorder	0.00	8678	Inside	4312.00	
Recorder	0.00	8522	Outside	4312.00	
Perforations	13.00			4325.00	
Change Over Sub	1.00			4326.00	
Drill Pipe	124.00			4450.00	
Change Over Sub	1.00			4451.00	
Bullnose	3.00			4454.00	143.00 Bottom Packers & Anchor

**Total Tool Length: 170.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

**11 17s 29w Lane, KS**

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57648

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2014.05.16 @ 14:11:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

43000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	somcw 1o 24m 75w	3.228
200.00	gmco 30g 25m 45o	2.805
90.00	go 20g 80o	1.262
0.00	940' GIP	0.000

Total Length: 600.00 ft      Total Volume: 7.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

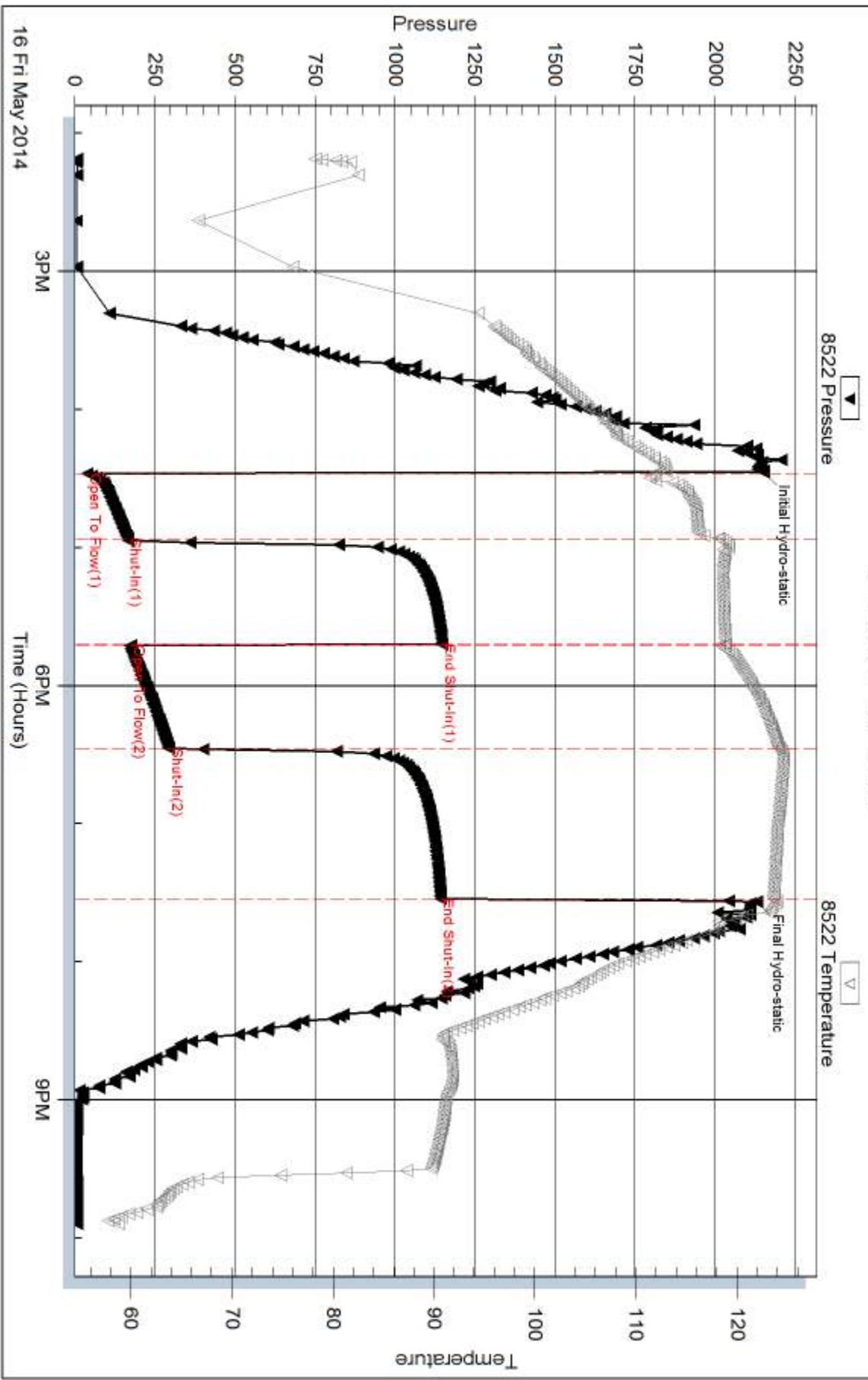
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .190 @ 58

### Pressure vs. Time



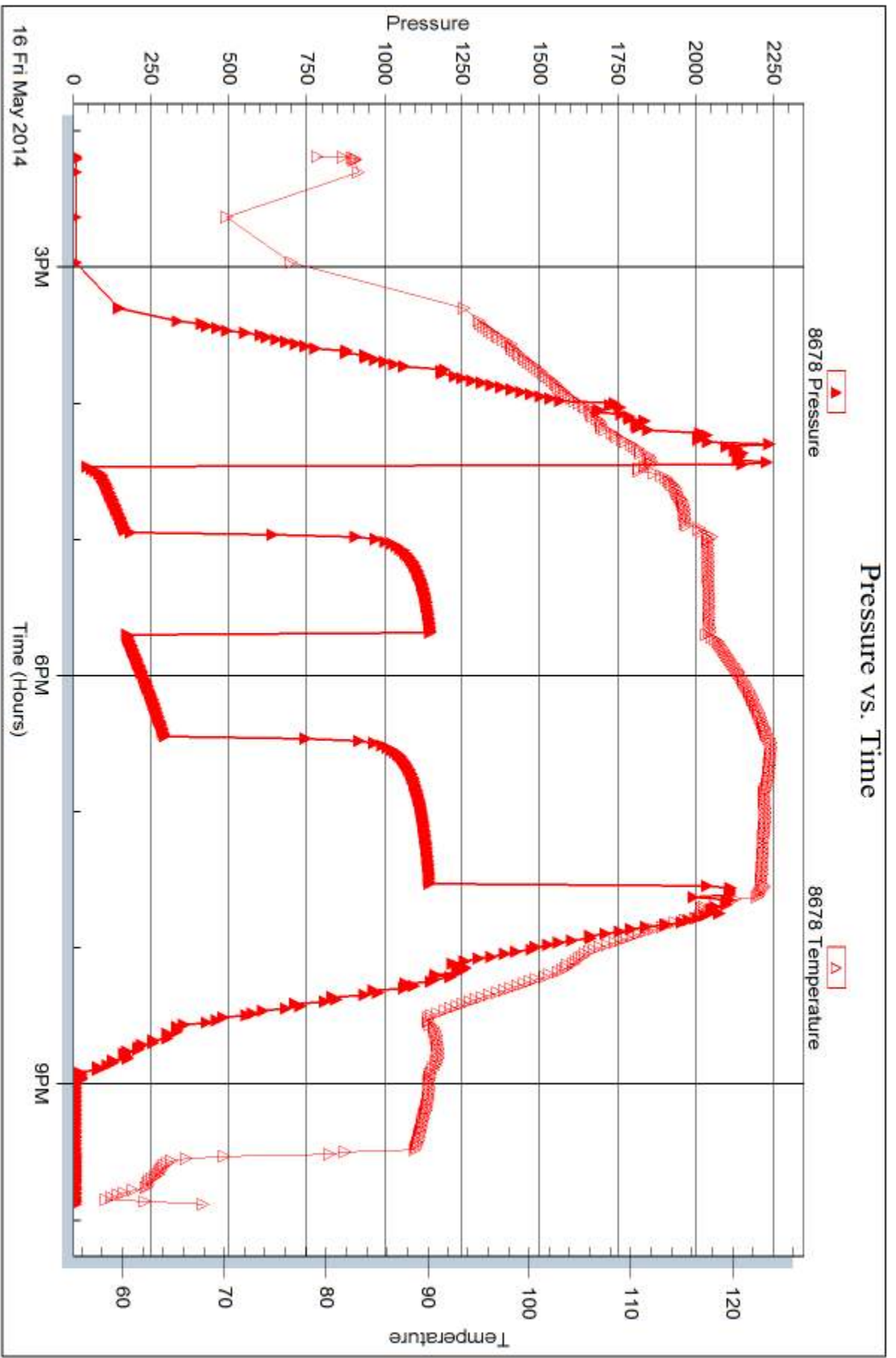
Serial #: 8678

Inside

Forestar Petroleum Corporation

LOF #2-11

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 57648

Printed: 2014.05.20 @ 14:57:43



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway Ste. 600  
Denver, CO 80202

ATTN: Larry Nicholson

**LCF #2-11**

**11 17s 29w Lane,KS**

Start Date: 2014.05.17 @ 09:33:00

End Date: 2014.05.17 @ 17:35:15

Job Ticket #: 57649                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.20 @ 14:42:31



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

**11 17s 29w Lane, KS**

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57649

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2014.05.17 @ 09:33:00

## GENERAL INFORMATION:

Formation: **Ft Scott - Lower Che**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:36:15

Time Test Ended: 17:35:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4446.00 ft (KB) To 4535.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4535.00 ft (KB) (TVD)

2792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8522 Outside**

Press@RunDepth: 50.14 psig @ 4447.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.17

End Date:

2014.05.17

Last Calib.:

2014.05.17

Start Time: 09:33:05

End Time:

17:35:14

Time On Btm:

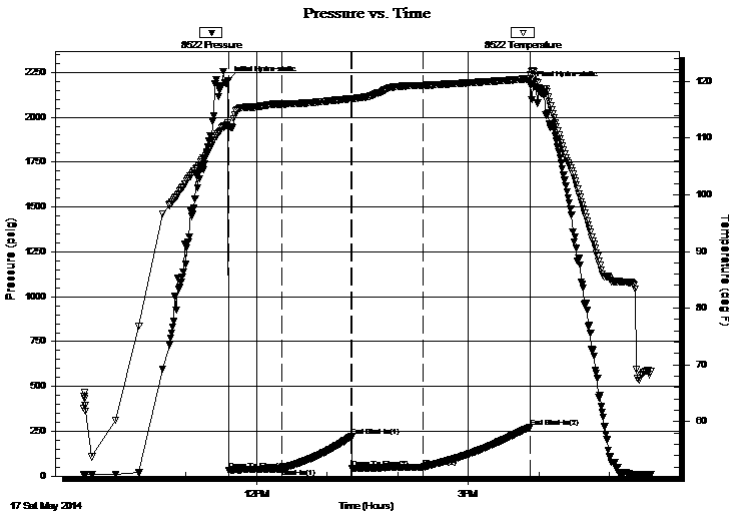
2014.05.17 @ 11:35:45

Time Off Btm:

2014.05.17 @ 15:52:45

TEST COMMENT: IF: 3" blow.  
FSI: No return.  
FF: 2" return.  
FSI: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.61	112.59	Initial Hydro-static
1	29.87	111.88	Open To Flow (1)
46	41.27	115.93	Shut-In(1)
105	221.56	116.93	End Shut-In(1)
106	41.16	116.87	Open To Flow (2)
166	50.14	119.27	Shut-In(2)
257	273.01	120.44	End Shut-In(2)
257	2178.91	121.14	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 5g 5o 90m	0.30
0.00	120 GIP	0.00

\* 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 17s 29w Lane, KS

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57649

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2014.05.17 @ 09:33:00

## GENERAL INFORMATION:

Formation: **Ft Scott - Lower Che**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:36:15

Time Test Ended: 17:35:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4446.00 ft (KB) To 4535.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4535.00 ft (KB) (TVD)

2792.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8678** Inside

Press@RunDepth: psig @ 4447.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.17 End Date: 2014.05.17

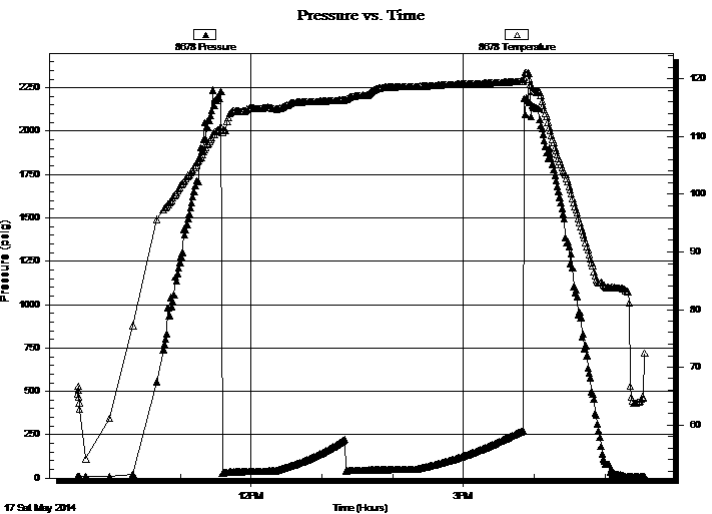
Last Calib.: 2014.05.17

Start Time: 09:33:05 End Time: 17:33:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 3" blow.  
FSI: No return.  
FF: 2" return.  
FSI: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 5g 5o 90m	0.30
0.00	120 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**

Forestar Petroleum Corporation

**11 17s 29w Lane, KS**

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57649

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2014.05.17 @ 09:33:00

## Tool Information

Drill Pipe:	Length: 4316.00 ft	Diameter: 3.80 inches	Volume: 60.54 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: 80000.00 lb
			<u>Total Volume: 61.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4446.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	116.00 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			4420.00	
Shut In Tool	5.00			4425.00	
Hydraulic tool	5.00			4430.00	
Jars	5.00			4435.00	
Safety Joint	2.00			4437.00	
Packer	5.00			4442.00	27.00 Bottom Of Top Packer
Packer	4.00			4446.00	
Stubb	1.00			4447.00	
Recorder	0.00	8678	Inside	4447.00	
Recorder	0.00	8522	Outside	4447.00	
Perforations	21.00			4468.00	
Change Over Sub	1.00			4469.00	
Drill Pipe	62.00			4531.00	
Change Over Sub	1.00			4532.00	
Bullnose	3.00			4535.00	89.00 Bottom Packers & Anchor

**Total Tool Length: 116.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

**11 17s 29w Lane, KS**

1801 Broadway Ste. 600  
Denver, CO 80202

**LCF #2-11**

Job Ticket: 57649

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2014.05.17 @ 09:33:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gocm 5g 5o 90m	0.295
0.00	120 GIP	0.000

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

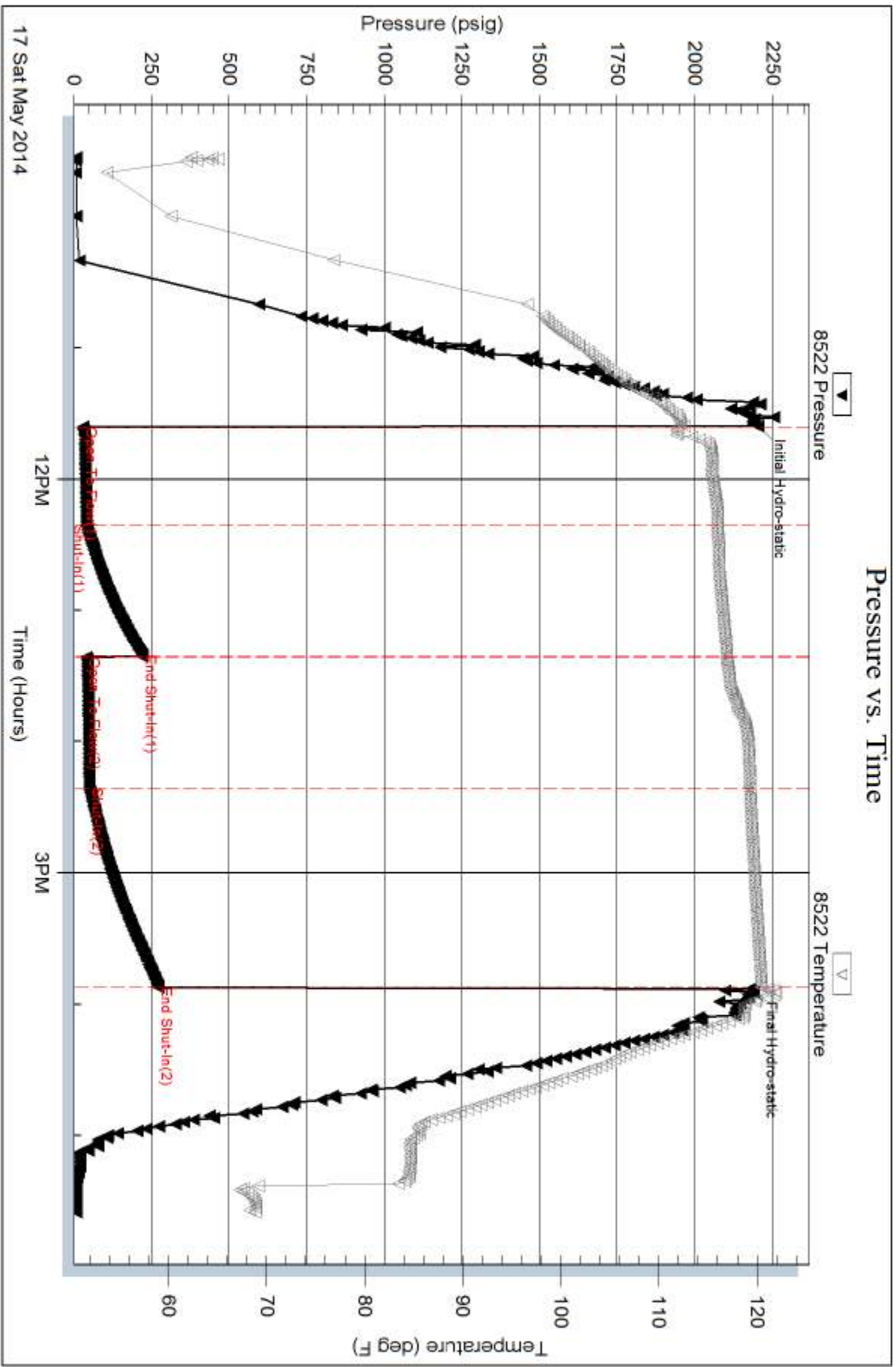
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



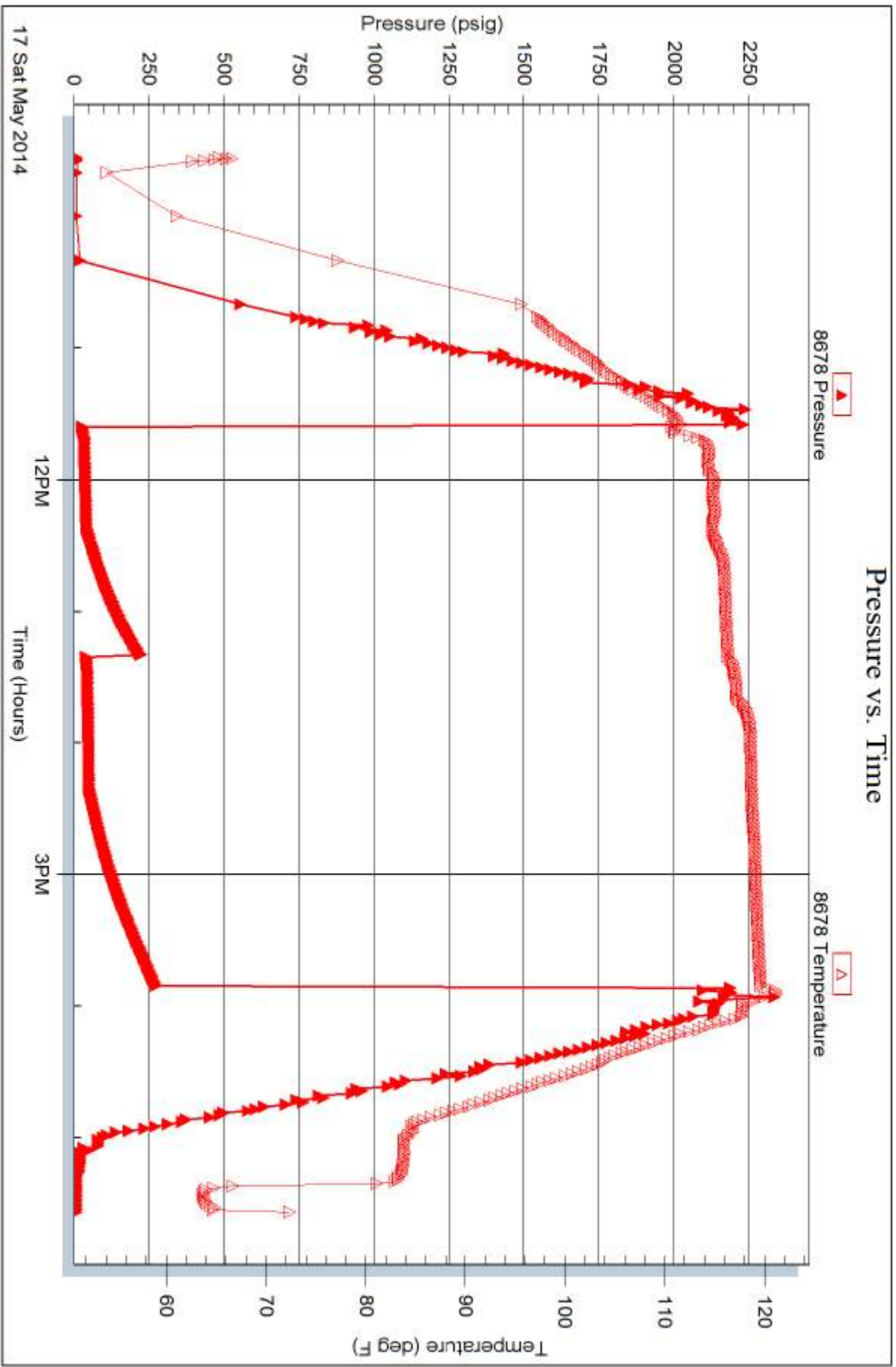
Serial #: 8678

Inside

Forestar Petroleum Corporation

LOF #2-11

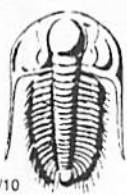
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 57649

Printed: 2014.05.20 @ 14:42:32



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57647

Well Name & No. LCF # 2-11 Test No. 1 Date 5/15/11  
 Company Forestar Petroleum Corporation Elevation 2797 KB 2792 GL  
 Address 1501 Broadway Ste 600 Denver, Co 80202  
 Co. Rep / Geo. Larry Nicholson Rig WW #8  
 Location: Sec. 11 Twp. 17S Rge. 29W Co. Lane State Ks

Interval Tested 4230 4317 Zone Tested LKC K-L  
 Anchor Length 87' Drill Pipe Run 4092 Mud Wt. 9.2  
 Top Packer Depth 4225 Drill Collars Run 123 Vis 54  
 Bottom Packer Depth 4230 Wt. Pipe Run 0 WL 5.4  
 Total Depth 4317 Chlorides 2400 ppm System LCM 1#

Blow Description IF: BOB @ 30 min.  
ISE: No return.  
FF: 6" blow  
FSI: No return.

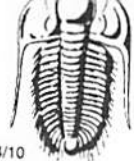
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>60</u>	<u>10</u>	<u>90</u>		
<u>330</u>	<u>mcw (OIL spots)</u>			<u>90</u>	<u>10</u>
	<u>90' GIP</u>				

Rec Total 360 BHT 127 Gravity 36 API RW .122 @ 63 °F Chlorides 23,000 ppm

(A) Initial Hydrostatic <u>2107</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0915</u>
(B) First Initial Flow <u>43</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1123</u>
(C) First Final Flow <u>150</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1331</u>
(D) Initial Shut-In <u>433</u>	<input checked="" type="checkbox"/> Circ Sub <u>Hc</u>	T-Pulled <u>1746</u>
(E) Second Initial Flow <u>157</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2034</u>
(F) Second Final Flow <u>215</u>	<input checked="" type="checkbox"/> Mileage <u>90 RT 108.50</u>	Comments
(G) Final Shut-In <u>420</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2021</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1683.50</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1683.50</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. 57648

Well Name & No. LCF #2-11 Test No. 2 Date 5/16/14  
 Company Forestar Petroleum Corporation Elevation 2797 KB 2792 GL  
 Address 1801 Broadway Ste 600 Denver, Co 80202  
 Co. Rep / Geo. Larry Nicholson Rig WW#8  
 Location: Sec. 11 Twp. 17S Rge. 29W Co. 2ane State KS

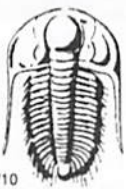
Interval Tested 4311 - 4454 Zone Tested Marmaton - Pawnee  
 Anchor Length 143 Drill Pipe Run 4191 Mud Wt. 9.2  
 Top Packer Depth 4306 Drill Collars Run 123 Vis 49  
 Bottom Packer Depth 4311 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4454 Chlorides 2500 ppm System LCM 1#

Blow Description IF : BOB@ 10 min.  
ISI : 1" return.  
FF : BOB@ 9 min  
FSI : 5" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>60</u>	<u>20</u>	<u>80</u>		
<u>200</u>	<u>6 MC O</u>	<u>30</u>		<u>25</u>	
<u>310</u>	<u>50 MC W</u>		<u>1</u>	<u>75</u>	<u>24</u>
	<u>940' GIP</u>				

Rec Total 600 BHT 126 Gravity 35 API RW 140 @ 58° F Chlorides 43000 ppm  
 (A) Initial Hydrostatic 2149  Test 1250 T-On Location 1215  
 (B) First Initial Flow 40  Jars 250 T-Started 1411  
 (C) First Final Flow 166  Safety Joint 75 T-Open 1625  
 (D) Initial Shut-In 1146  Circ Sub N/C T-Pulled 1955  
 (E) Second Initial Flow 177  Hourly Standby \_\_\_\_\_ T-Out 2153  
 (F) Second Final Flow 294  Mileage 70 RT 108.50 Comments \* Short Trip  
 (G) Final Shut-In 1142  Sampler \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 (H) Final Hydrostatic 2129  Straddle \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1683.50  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1683.50

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57649

Well Name & No. LCF #2-11 Test No. 3 Date 5/17/14  
 Company Forestar Petroleum Corporation. Elevation 2797 KB 2792 GL  
 Address 1801 Broadway Ste 600 Denver, Co 80202  
 Co. Rep / Geo. Larry Nicholson Rig WW#8  
 Location: Sec. 11 Twp. 17s Rge. 29w Co. Lane State KS

Interval Tested 4446 4535 Zone Tested Ft. Scott - Lower Cherokee  
 Anchor Length 89 Drill Pipe Run 4316 Mud Wt. 9.4  
 Top Packer Depth 4441 Drill Collars Run 123 Vis 65  
 Bottom Packer Depth 4446 Wt. Pipe Run 0 WL 220 5.6  
 Total Depth 4535 Chlorides 2200 ppm System LCM 1#  
 Blow Description IT 3' blow.  
ISI: No return  
FF: 1" blow  
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>60cm</u>	<u>5</u>	<u>5</u>	<u>80</u>	
	<u>120' GIP</u>				

Rec Total 60 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2205</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0900</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0933</u>
(C) First Final Flow <u>41</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1136</u>
(D) Initial Shut-In <u>222</u>	<input checked="" type="checkbox"/> Circ Sub <u>4/c</u>	T-Pulled <u>1551</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1735</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>70 RT 217</u>	Comments <u>P/O Tools</u>
(G) Final Shut-In <u>273</u>	<input type="checkbox"/> Sampler	<u>@ 2300 on 5/18</u>
(H) Final Hydrostatic <u>2179</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>800</u>
Final Flow <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 5.5h</u>	Total <u>2592</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1792</u>	

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

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