



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1175947  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1175947

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC

263663

TICKET NUMBER 44454  
LOCATION DALEY KS.  
FOREMAN DAMON MILLER  
WALT DINKEL

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

KANSAS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-31-13	2930	MICHELLE #1-3	3	17	29W	LANE
CUSTOMER FORESTAR			HEALY			
MAILING ADDRESS			E + O			
CITY			I KERD			
STATE			SIDE			
ZIP CODE			E.			
TRUCK #	DRIVER	TRUCK #	DRIVER			
399	TIM W					
566	JAKE					
	RINE ALONG					
	LANCE					

JOB TYPE SURFACE HOLE SIZE 12 1/4 HOLE DEPTH 260 CASING SIZE & WEIGHT 8 5/8 24#  
CASING DEPTH 265.28 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 20'  
DISPLACEMENT 15.62 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: SAFETY MEETING RIG UP ON WW #8 CIRCULATE ON BOTTOM  
MIX 200 SKS COM 370 CC 290 GEL DISPLACE 15.62 BBL OF H2O  
SHUT IN RELEASED PRESSURE WASHED UP AND RIGGED DOWN.

CEMENT DID CIRCULATE  
APPROX 4 BBL TO THE PIT.

THANK YOU DAMON WALT CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	40	MILEAGE	5.25	210.00 ✓
5407A	9.4	TON MILEAGE DELIVERY	1.75	658.00 ✓
1104S	200 SKS	CLASS A CEMENT	18.55	3710.00 ✓
1102	564 #	CALCIUM CHLORIDE	.94	530.16 ✓
1118B	376 #	BETONITE	.27	101.52 ✓
				6359.68
			LESS 10%	635.97 ✓
				5723.71
			7.15	279.40 ✓
			SALES TAX	279.40 ✓
			ESTIMATED TOTAL	6003.11 ✓

completed

Rev'n 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

263853

TICKET NUMBER 44462

LOCATION OAKLEN KS.

FOREMAN DAMON M.

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

KANSAS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY												
11-9-13	2930	MICHELLE #1-3	3	17S	29W	LANE												
CUSTOMER <b>FORESTAR</b>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>399</td> <td>TORDANL.</td> <td></td> <td></td> </tr> <tr> <td>397</td> <td>STEVEN</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	399	TORDANL.			397	STEVEN		
TRUCK #	DRIVER	TRUCK #					DRIVER											
399	TORDANL.																	
397	STEVEN																	
MAILING ADDRESS																		
CITY	STATE	ZIP CODE	<table border="1"> <thead> <tr> <th>HEAVY E TO EKE 51 RD</th> <th>1/4E NINGO</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>				HEAVY E TO EKE 51 RD	1/4E NINGO										
HEAVY E TO EKE 51 RD	1/4E NINGO																	

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4650 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.8 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting Rig up on WW #8 Plug as ordered w/ 270 SKS  
6940 490 92L 1/4" FLOSEAL

50 SKS @ 2260'  
80 SKS @ 1400'  
40 SKS @ 700'  
50 SKS @ 270'  
20 SKS @ 60'  
R.H. 30 SKS.

THANK YOU DAMON & CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1395.00	1395.00 ✓
5406	40	MILEAGE	5.25	210.00 ✓
5407A	11.61	TON MILEAGE DELIVERY	1.75	812.80 ✓
1131	270 SKS	60/40 POZ	15.86	4282.20 ✓
1118B	929#	BETONITE	.27	250.83 ✓
1107	68#	FLOSEAL	2.97	201.96 ✓
				7152.79 ✓
		<input checked="" type="checkbox"/> completed	Loss 10%	715.28 ✓
				6437.51 ✓
			7.15	SALES TAX 304.169 ✓
				ESTIMATED TOTAL 6742.00 ✓

Rev 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



## 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

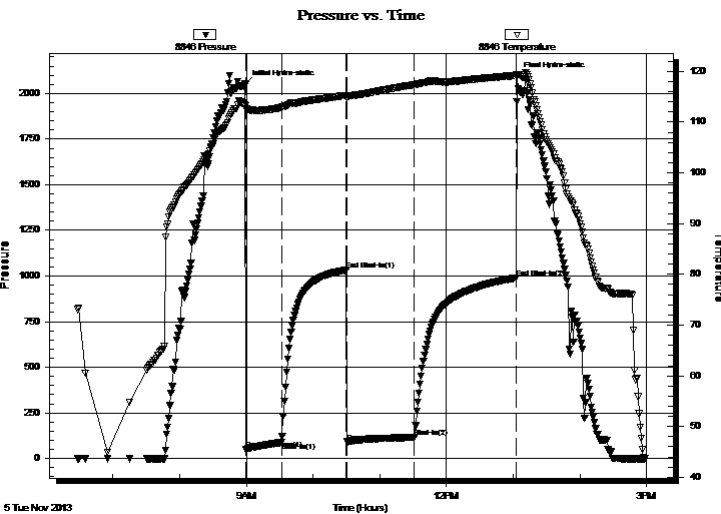
End Time:

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)



**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

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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 #: 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:

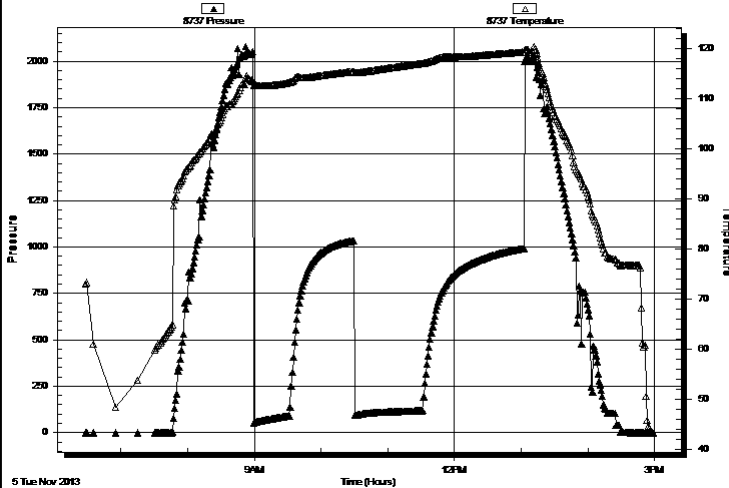
14:58:30

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 vs. Time



## 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

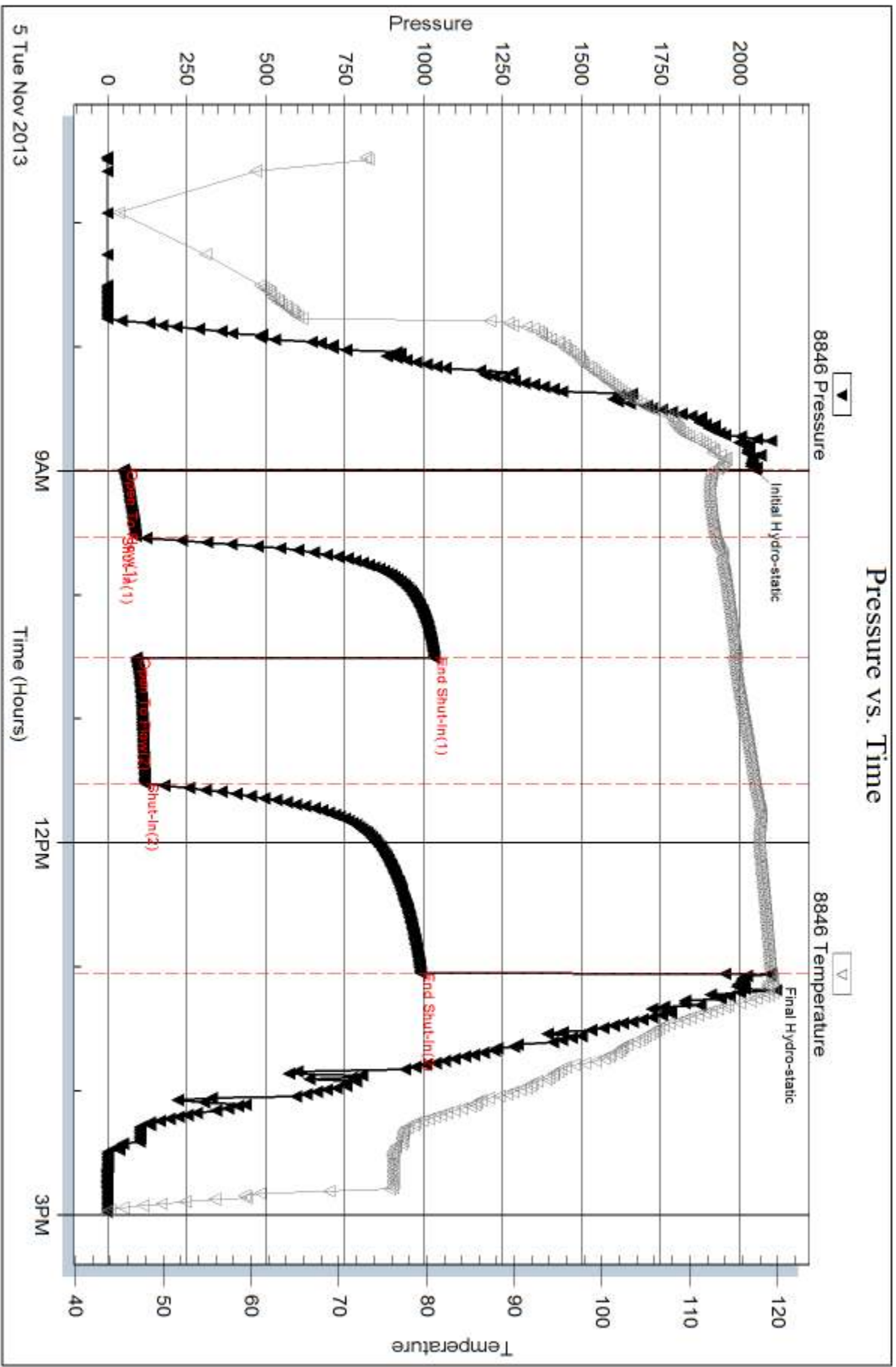
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

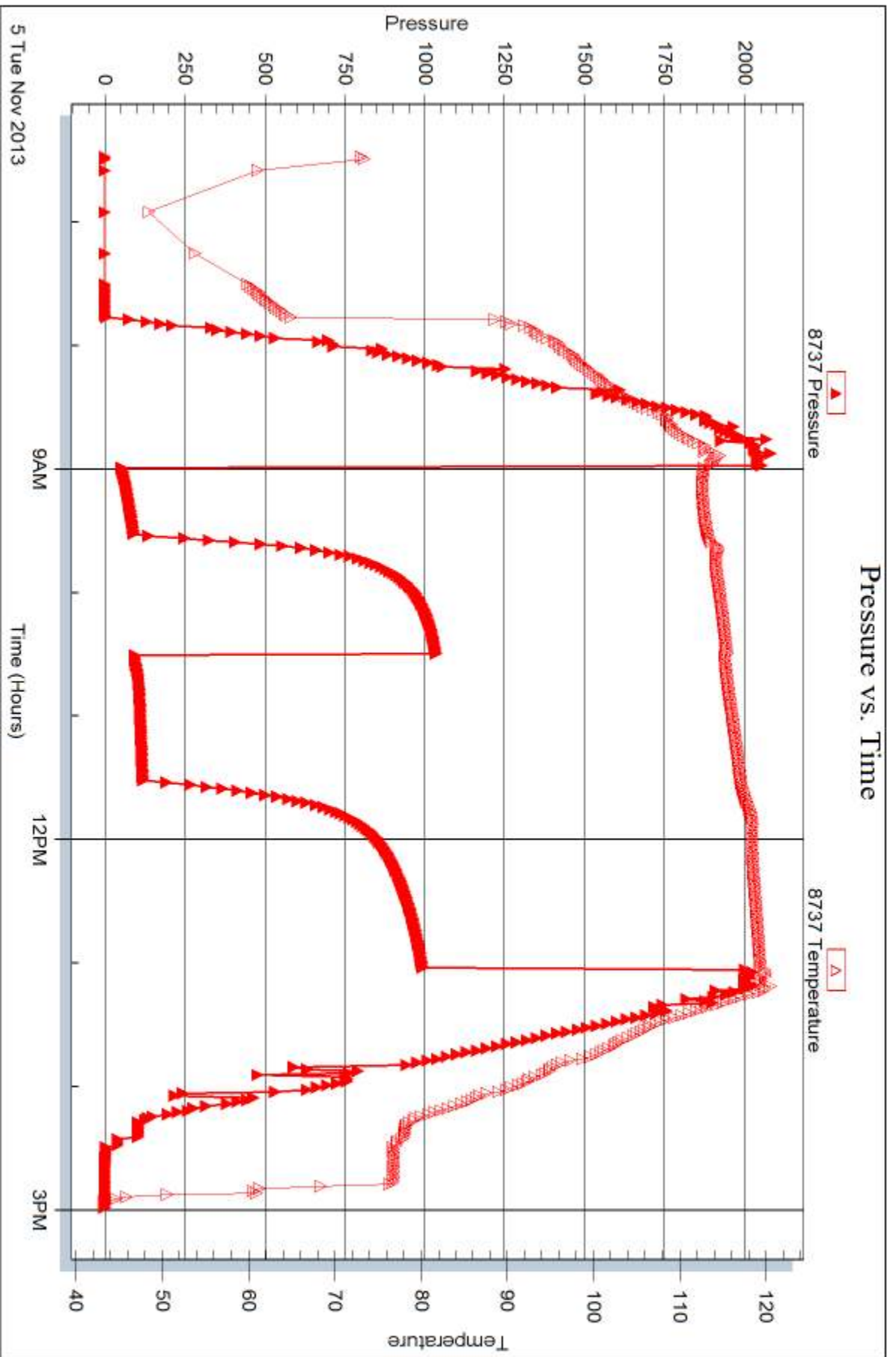


Serial #: 8737

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

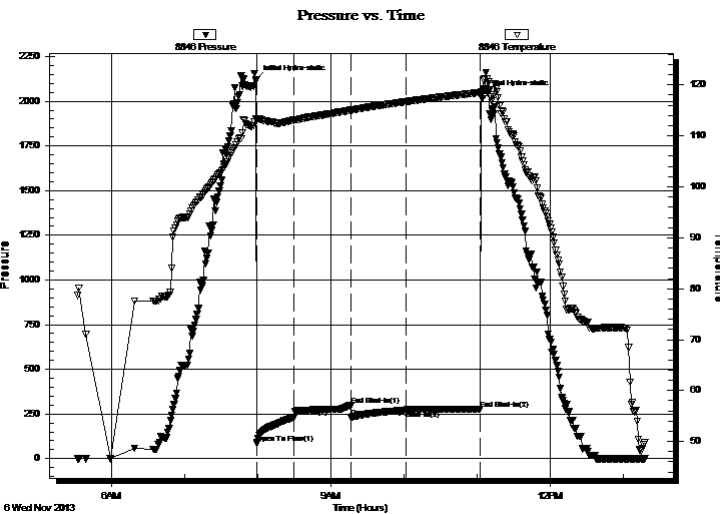
Time On Btm:

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)





**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 bbbl
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

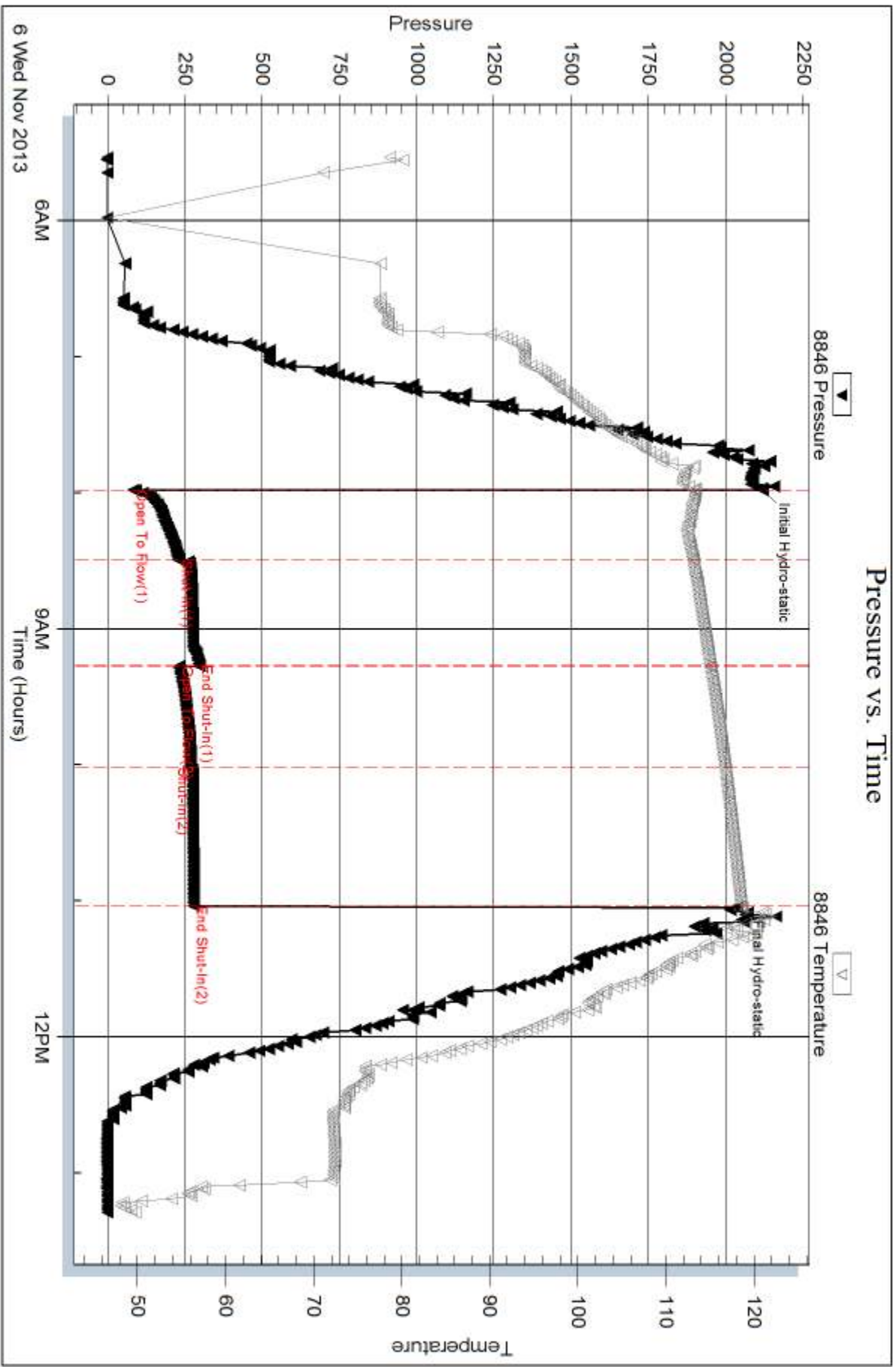
Serial #: 8846

Inside

Forestar Petroleum Corp.

Michelle #1-3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54694

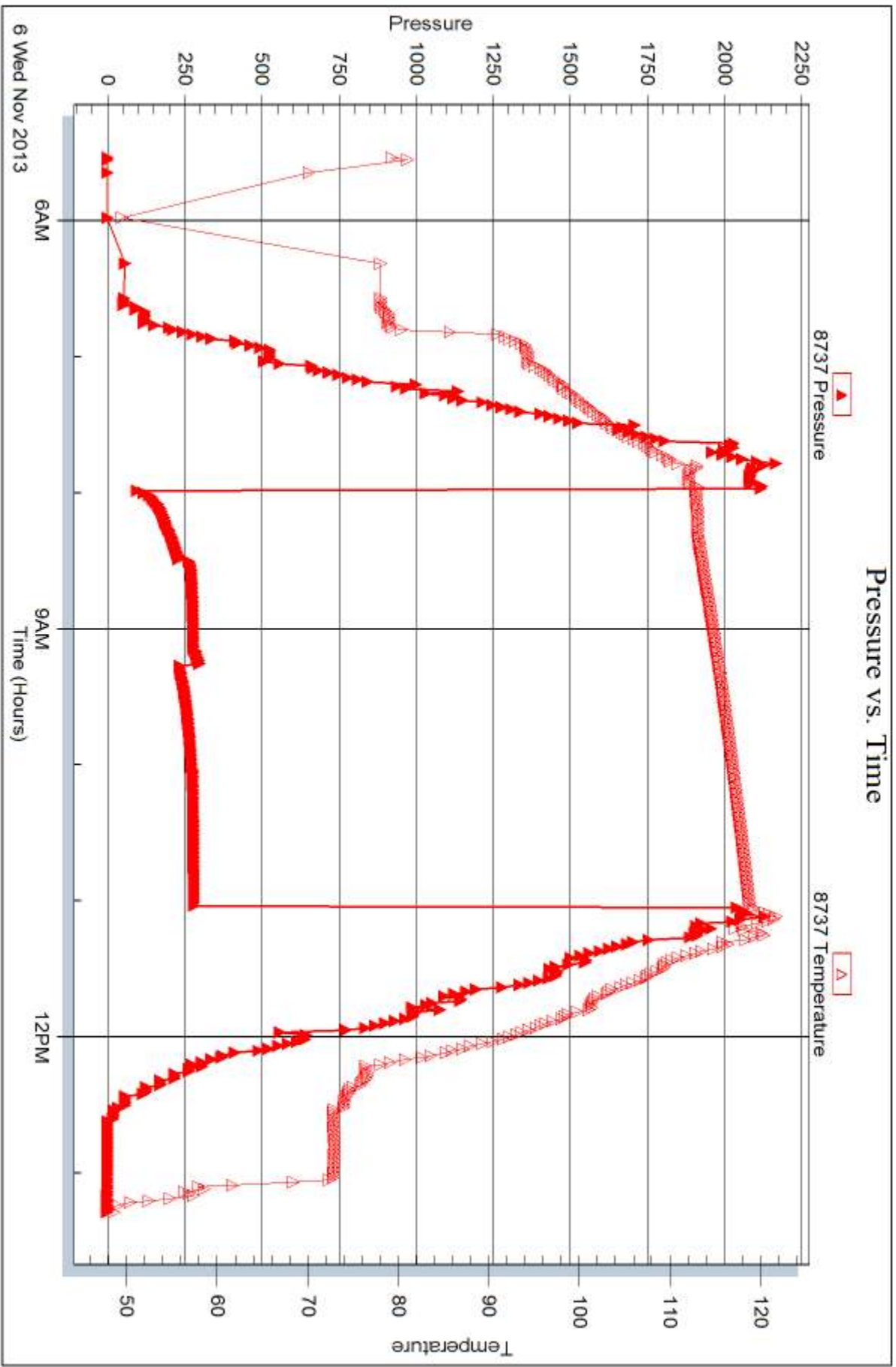
Printed: 2013.11.13 @ 14:34:29

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

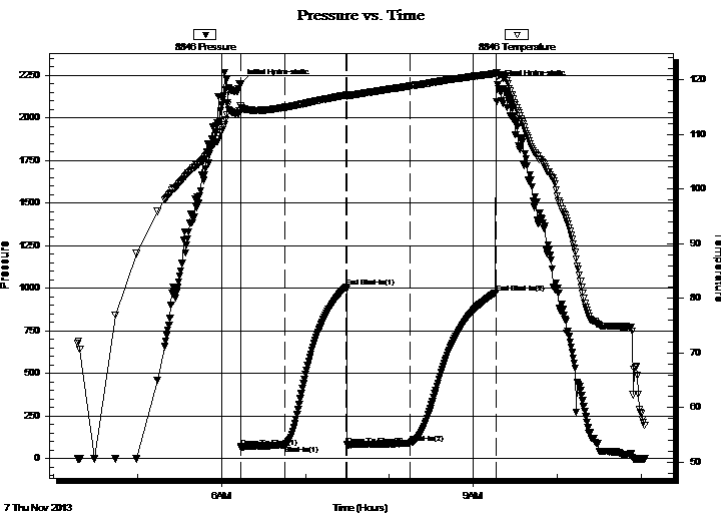
Time Off Btm: 2013.11.07 @ 09:17:15

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

**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

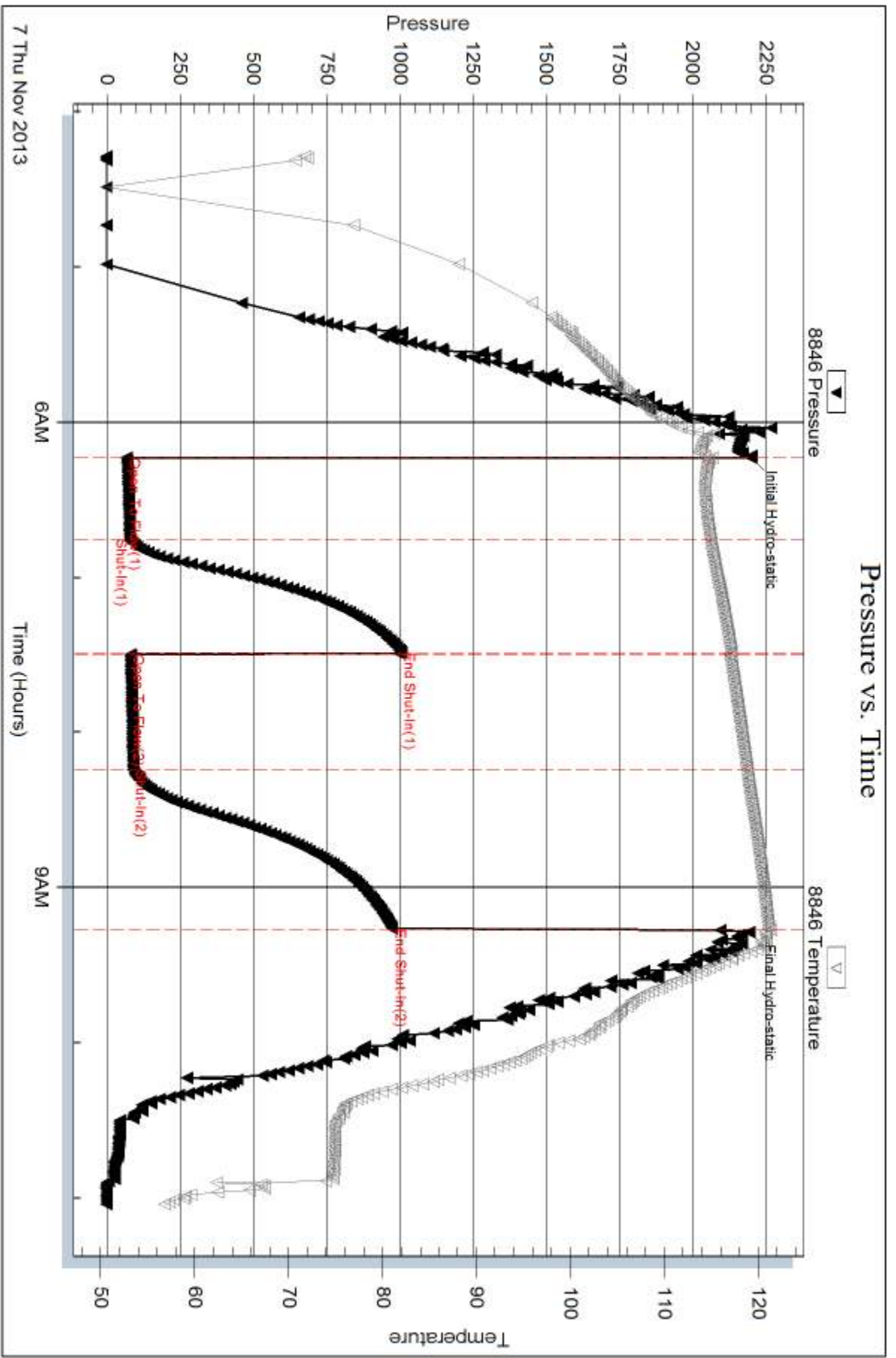
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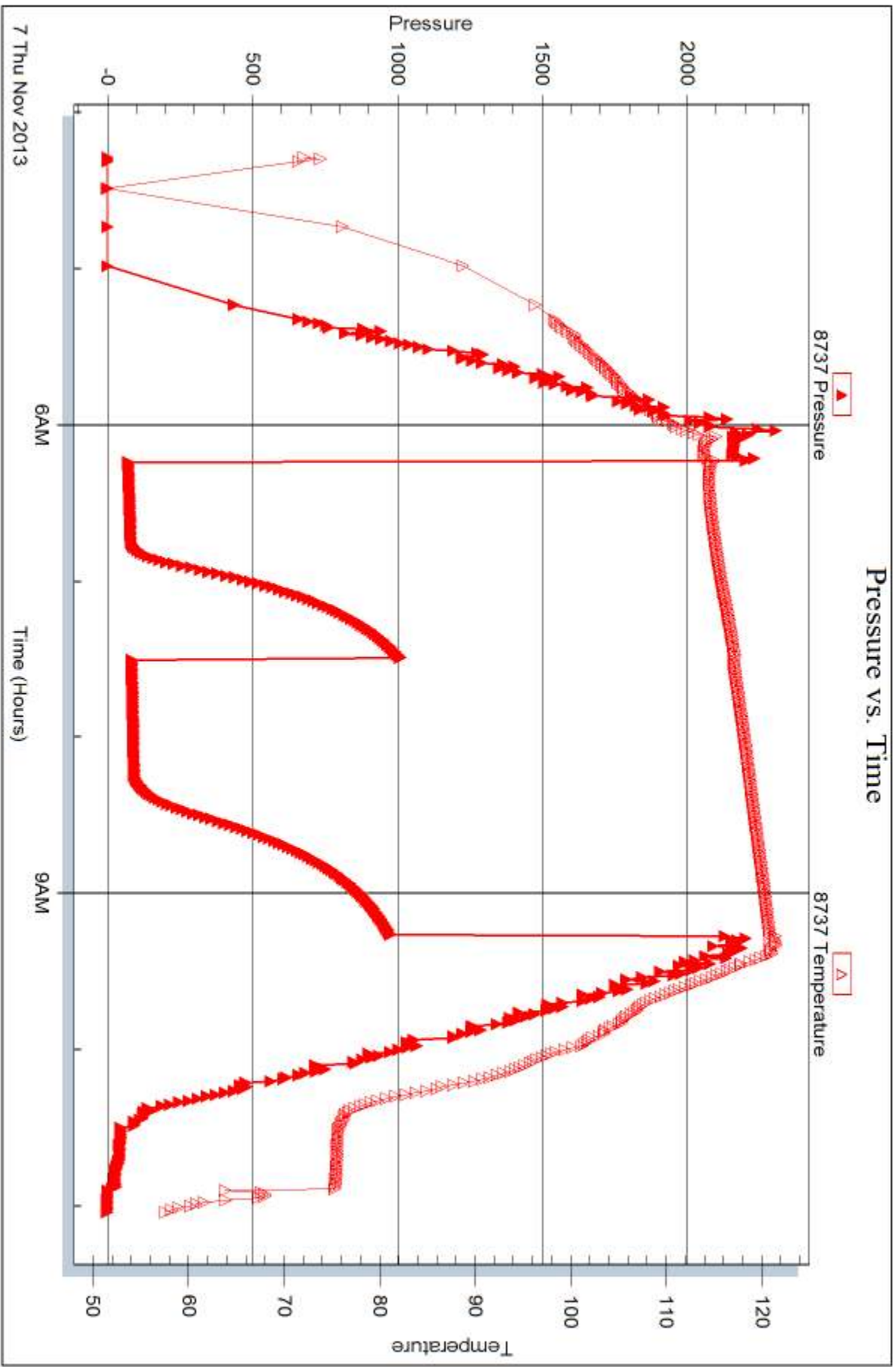
Laboratory Name:

Laboratory Location:

Recovery Comments:









## 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

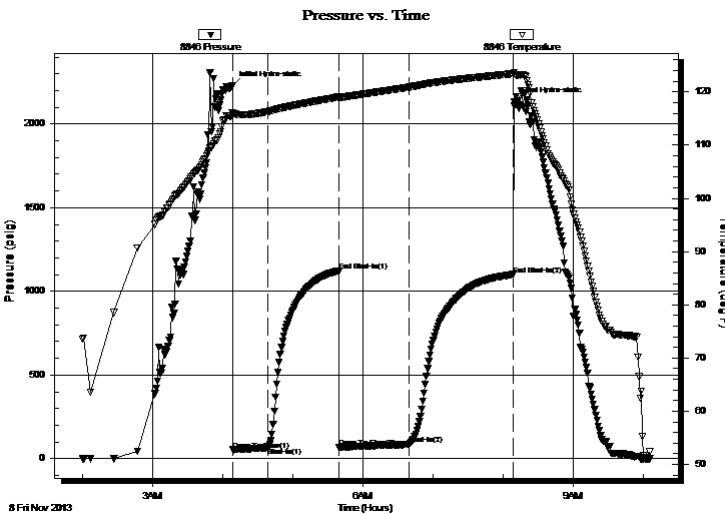
End Time: 10:05:45

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

**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

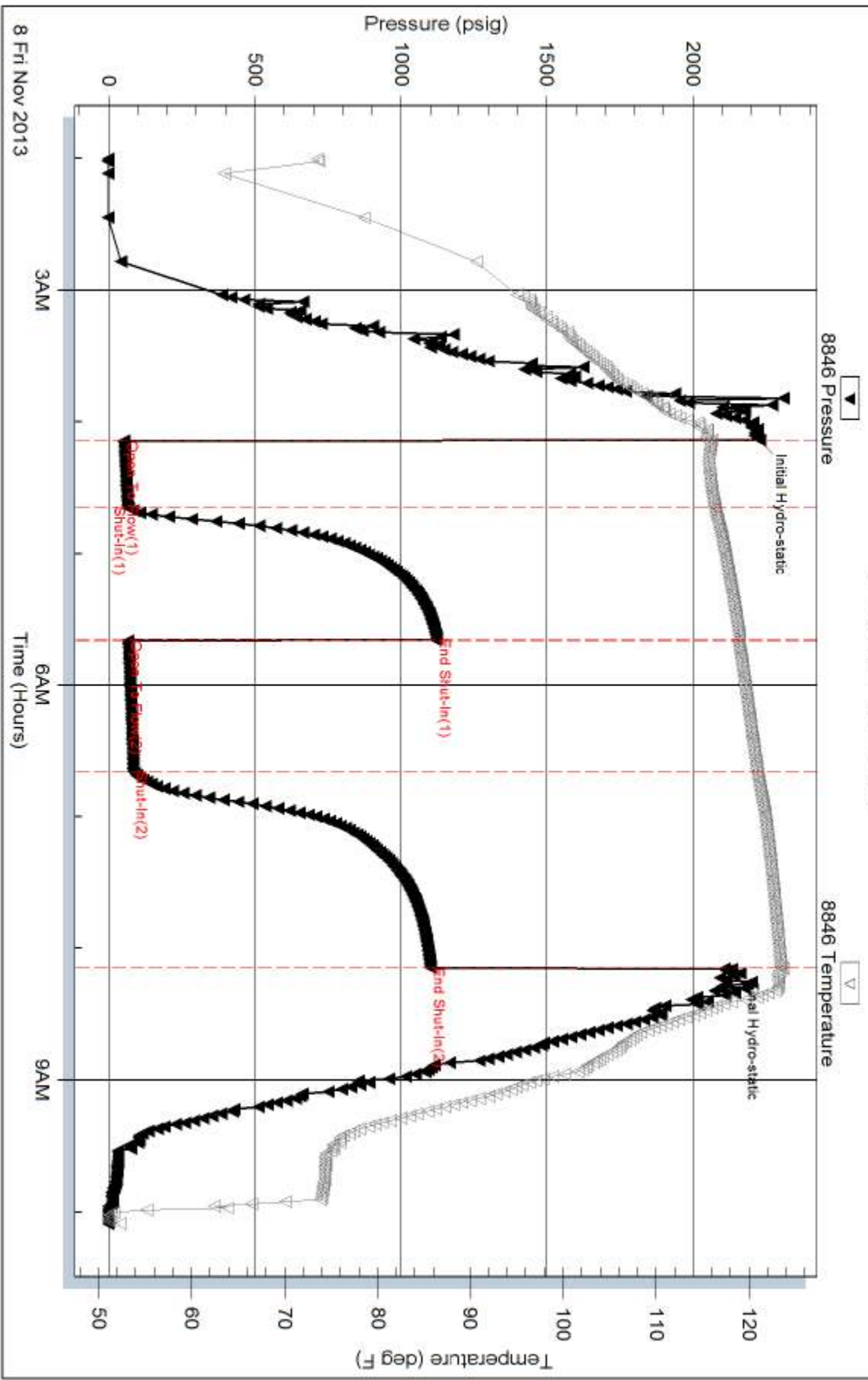
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





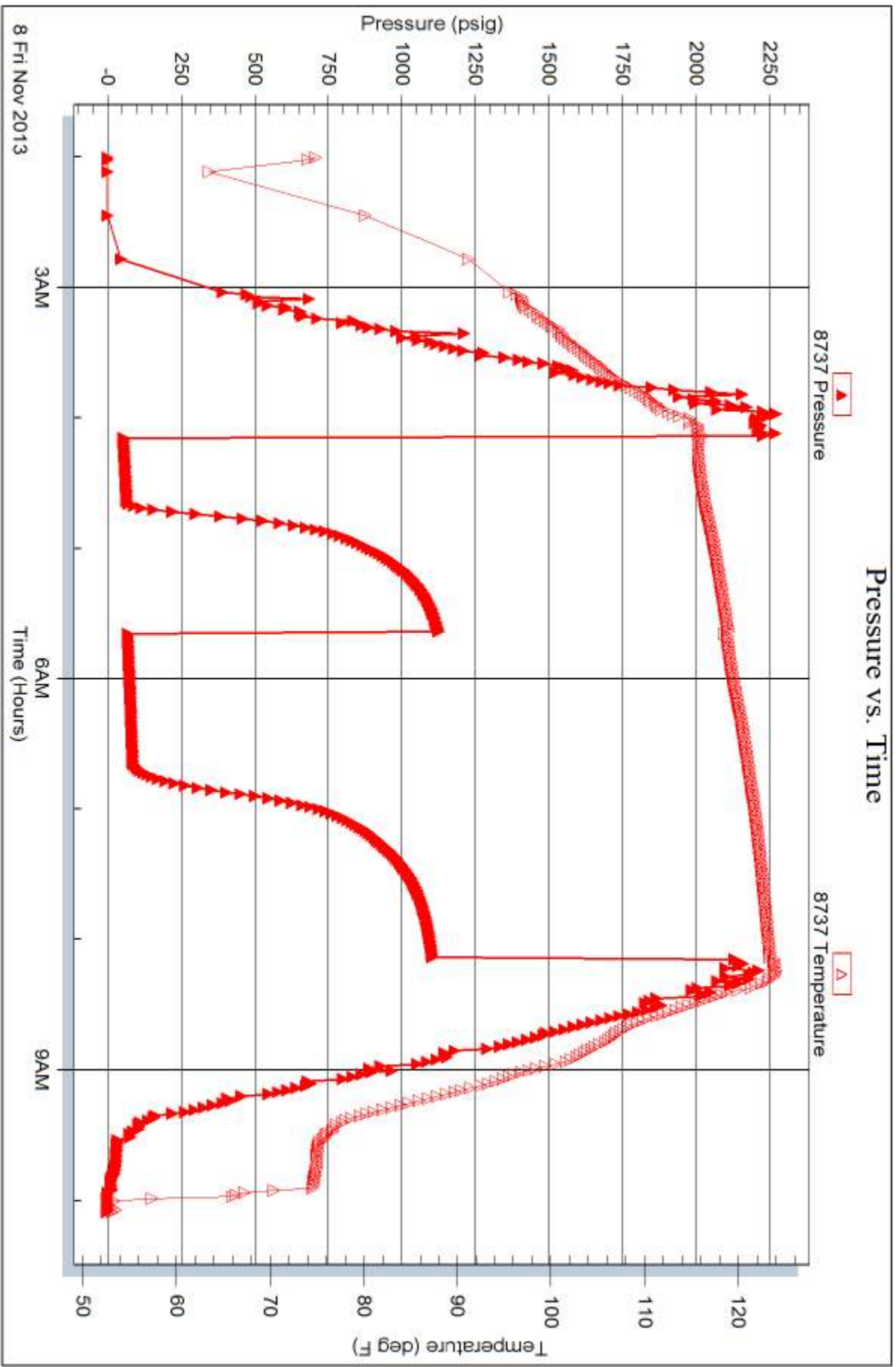
Serial #: 8737

Outside

Forestar Petroleum Corp.

Michelle #1-3

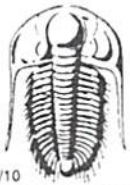
DST Test Number: 4



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

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. 54693 Date 11-<sup>5</sup>0-13

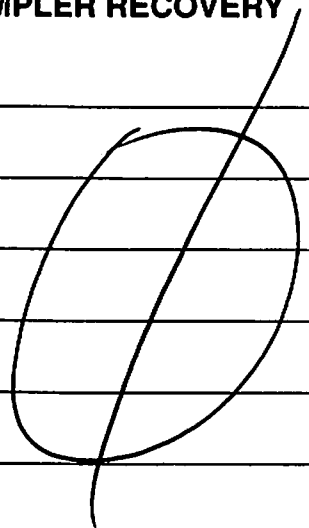
Company Name Forestar Petroleum

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~~ <sup>LCM</sup>  
 Total \_\_\_\_\_ ML



### PIT MUD ANALYSIS

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

### SAMPLER ANALYSIS

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

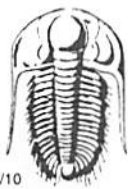
### PIPE RECOVERY

**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. 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

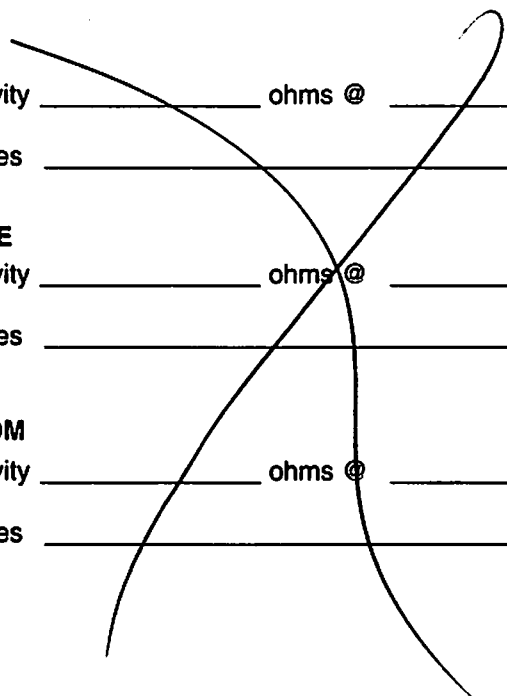
Chlorides 1800 ppm.  
 Resistivity ∅ ohms @ \_\_\_\_\_ F  
 Viscosity 56  
 Mud Weight 9.2  
 Filtrate 5.2  
 LCM 2#  
 Other \_\_\_\_\_

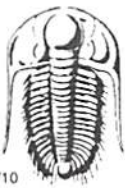
### SAMPLER ANALYSIS

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 type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
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#

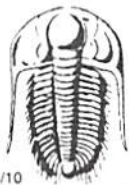
### SAMPLER ANALYSIS

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 2228
- (B) First Initial Flow 52
- (C) First Final Flow 64
- (D) Initial Shut-In 1122
- (E) Second Initial Flow 67
- (F) Second Final Flow 85
- (G) Final Shut-In 1100
- (H) Final Hydrostatic 2132

- Test 1250
- Jars 250
- Safety Joint 75
- Circ Sub NC
- Hourly Standby
- Mileage 114.70
- Sampler
- Straddle
- Shale Packer 250
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1939.70

- T-On Location 01:45
- T-Started 02:00
- T-Open 04:10
- T-Pulled 08:10
- T-Out 10:05

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

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

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

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# 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

### PIPE RECOVERY

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