



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1156624  
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: \_\_\_\_\_



1156624

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Forestar Petroleum Corporation
Well Name	Don 1-22
Doc ID	1156624

All Electric Logs Run

Sonic Cement Bond Log
Microresistivity Log
Dual Induction Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	Forestar Petroleum Corporation
Well Name	Don 1-22
Doc ID	1156624

Tops

Name	Top	Datum
Anhydrite	2199	610
Topeka	3698	-889
Heebner	3940	-1131
Lansing	3979	-1170
Stark Shale	4241	-1432
BKC	4320	-1511
Pawnee	4434	-1625
Cherokee	4481	-1672
Mississippian	4584	-1775

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

August 28, 2013

Jack Renfro  
Forestar Petroleum Corporation  
1801 BROADWAY Suite 600  
DENVER, CO 80202-3858

Re: ACO1  
API 15-101-22441-00-00  
Don 1-22  
NW/4 Sec.22-17S-29W  
Lane County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jack Renfro



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**22-17s-29w Lane Co KS**

1801 Broadway  
#600 Denver Co  
80202  
ATTN: Charlie Sturdavant

**Don 1-22**

Job Ticket: 53260

**DST#: 1**

Test Start: 2013.06.03 @ 06:33:15

## GENERAL INFORMATION:

Formation: **H-K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:31:15  
 Time Test Ended: 12:20:00  
 Interval: **4122.00 ft (KB) To 4275.00 ft (KB) (TVD)**  
 Total Depth: 4275.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2809.00 ft (KB)  
 2804.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8846

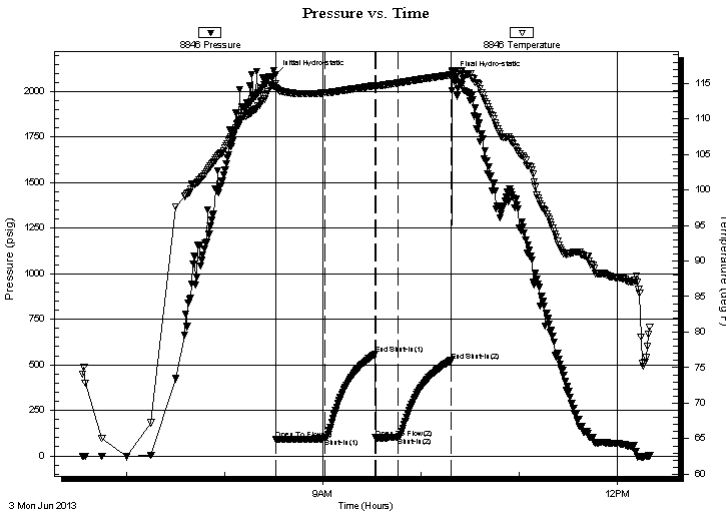
Inside

Press @ Run Depth: 100.23 psig @ 4123.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.06.03 End Date: 2013.06.03 Last Calib.: 2013.06.03  
 Start Time: 06:33:15 End Time: 12:20:00 Time On Btm: 2013.06.03 @ 08:31:00  
 Time Off Btm: 2013.06.03 @ 10:19:15

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

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.69	114.96	Initial Hydro-static
1	89.49	114.32	Open To Flow (1)
31	94.80	113.66	Shut-In(1)
61	557.29	114.67	End Shut-In(1)
62	98.61	114.50	Open To Flow (2)
75	100.23	115.06	Shut-In(2)
108	522.22	116.17	End Shut-In(2)
109	2085.60	116.82	Final Hydro-static



## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud with oil spots	0.15

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corp.

**22-17s-29w Lane Co KS**

1801 Broadway  
#600 Denver Co  
80202

**Don 1-22**

Job Ticket: 53260

**DST#: 1**

ATTN: Charlie Sturdavant

Test Start: 2013.06.03 @ 06:33:15

## 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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud w ith oil spots	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

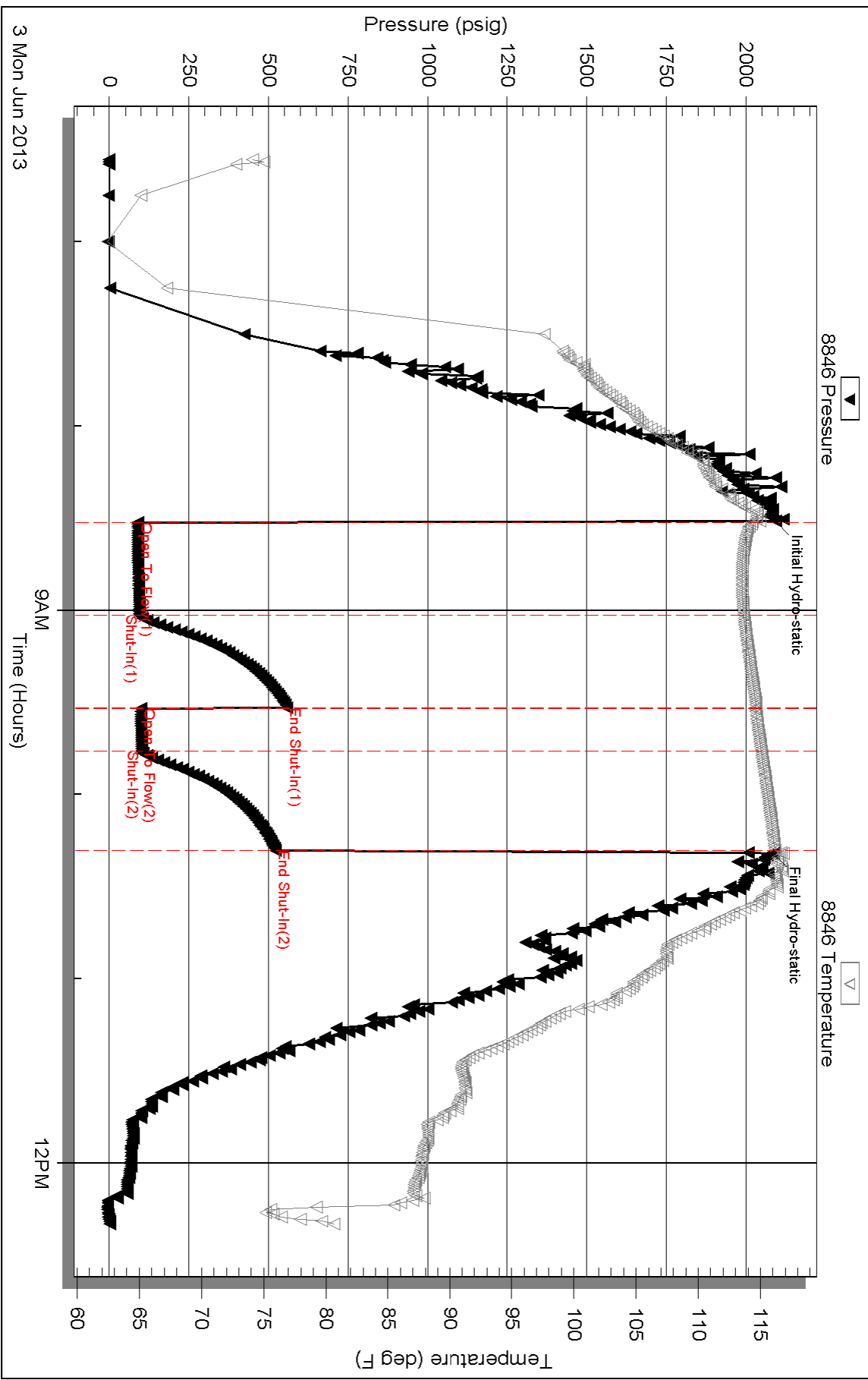
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**22-17s-29w Lane Co KS**

1801 Broadway  
#600 Denver Co  
80202  
ATTN: Charlie Sturdavant

**Don 1-22**

Job Ticket: 53261

**DST#: 2**

Test Start: 2013.06.04 @ 13:00:15

## GENERAL INFORMATION:

Formation: **Lansing L - Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:20:00

Time Test Ended: 18:29:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4272.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Reference Elevations: 2809.00 ft (KB)

Total Depth: 4272.00 ft (KB) (TVD)

2804.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press @ Run Depth: 138.67 psig @ 4273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.04

End Date:

2013.06.04

Last Calib.:

2013.06.04

Start Time: 13:00:15

End Time:

18:29:45

Time On Btm:

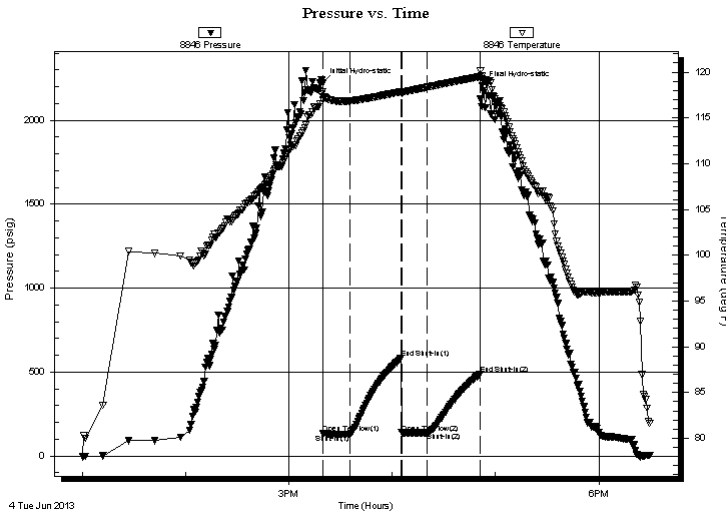
2013.06.04 @ 15:19:45

Time Off Btm:

2013.06.04 @ 16:52:15

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

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.18	117.88	Initial Hydro-static
1	134.07	116.97	Open To Flow (1)
16	128.26	116.85	Shut-In(1)
46	584.43	117.87	End Shut-In(1)
46	138.18	117.79	Open To Flow (2)
61	138.67	118.33	Shut-In(2)
92	488.90	119.50	End Shut-In(2)
93	2206.57	119.30	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud with oil spots 100% m	0.07

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corp.

**22-17s-29w Lane Co KS**

1801 Broadway  
#600 Denver Co  
80202

**Don 1-22**

Job Ticket: 53261

**DST#: 2**

ATTN: Charlie Sturdavant

Test Start: 2013.06.04 @ 13:00:15

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.80 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 100%m	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

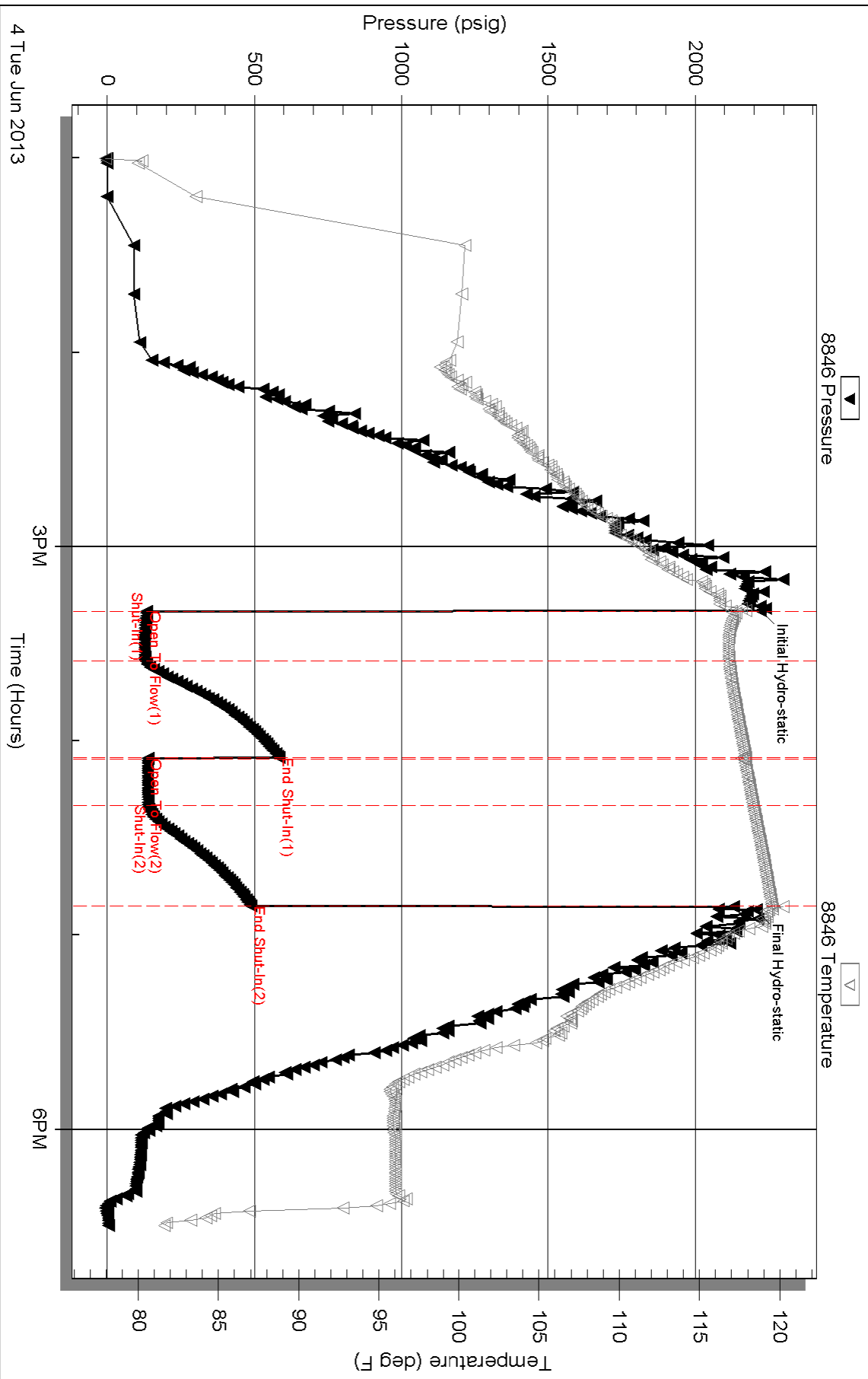
Serial #:

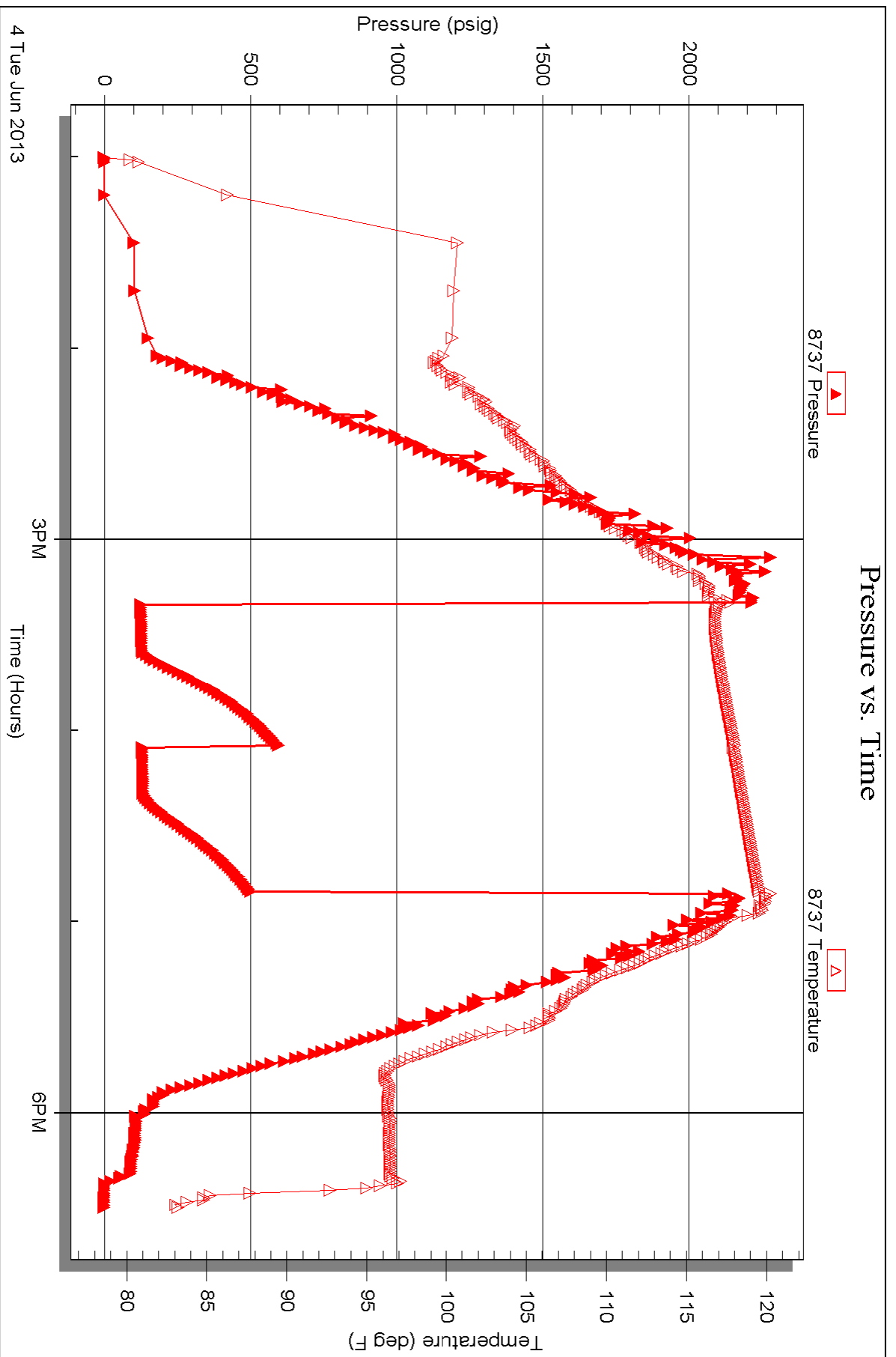
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corp.

**22-17s-29w Lane Co KS**

1801 Broadway  
#600 Denver Co  
80202  
ATTN: Charlie Sturdavant

**Don 1-22**

Job Ticket: 53262

**DST#: 3**

Test Start: 2013.06.05 @ 07:42:15

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:37:45

Time Test Ended: 15:41:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4478.00 ft (KB) To 4570.00 ft (KB) (TVD)**

Reference Elevations: 2809.00 ft (KB)

Total Depth: 4570.00 ft (KB) (TVD)

2804.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press @ Run Depth: 108.65 psig @ 4479.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.05

End Date:

2013.06.05

Last Calib.: 2013.06.05

Start Time: 07:42:15

End Time:

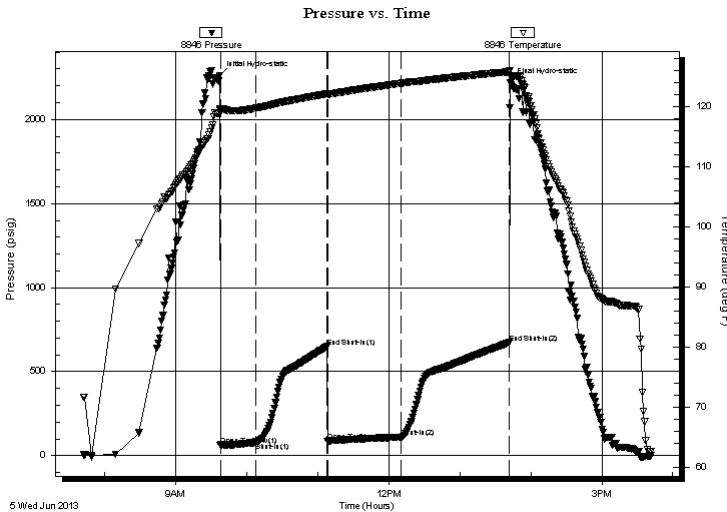
15:41:45

Time On Btm: 2013.06.05 @ 09:37:30

Time Off Btm: 2013.06.05 @ 13:42:45

**TEST COMMENT:** IF: Built to 4" blow  
IS: No return blow  
FF: Built to 7" blow  
FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.23	119.63	Initial Hydro-static
1	63.47	118.95	Open To Flow (1)
31	78.73	119.68	Shut-In(1)
91	648.27	122.06	End Shut-In(1)
91	83.84	121.98	Open To Flow (2)
153	108.65	123.81	Shut-In(2)
245	671.73	125.73	End Shut-In(2)
246	2217.81	125.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	gcom 30% g 30%o 40%m	0.30
62.00	gcom 10%g 15%o 75%m	0.30
5.00	gcom 10%g 20%o 70%m	0.07

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corp.

**22-17s-29w Lane Co KS**

1801 Broadway  
#600 Denver Co  
80202

**Don 1-22**

Job Ticket: 53262

**DST#: 3**

ATTN: Charlie Sturdavant

Test Start: 2013.06.05 @ 07:42:15

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.79 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
62.00	gcom 30% g 30%o 40%m	0.305
62.00	gcom 10%g 15%o 75%m	0.305
5.00	gcom 10%g 20%o 70%m	0.070

Total Length: 129.00 ft

Total Volume: 0.680 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

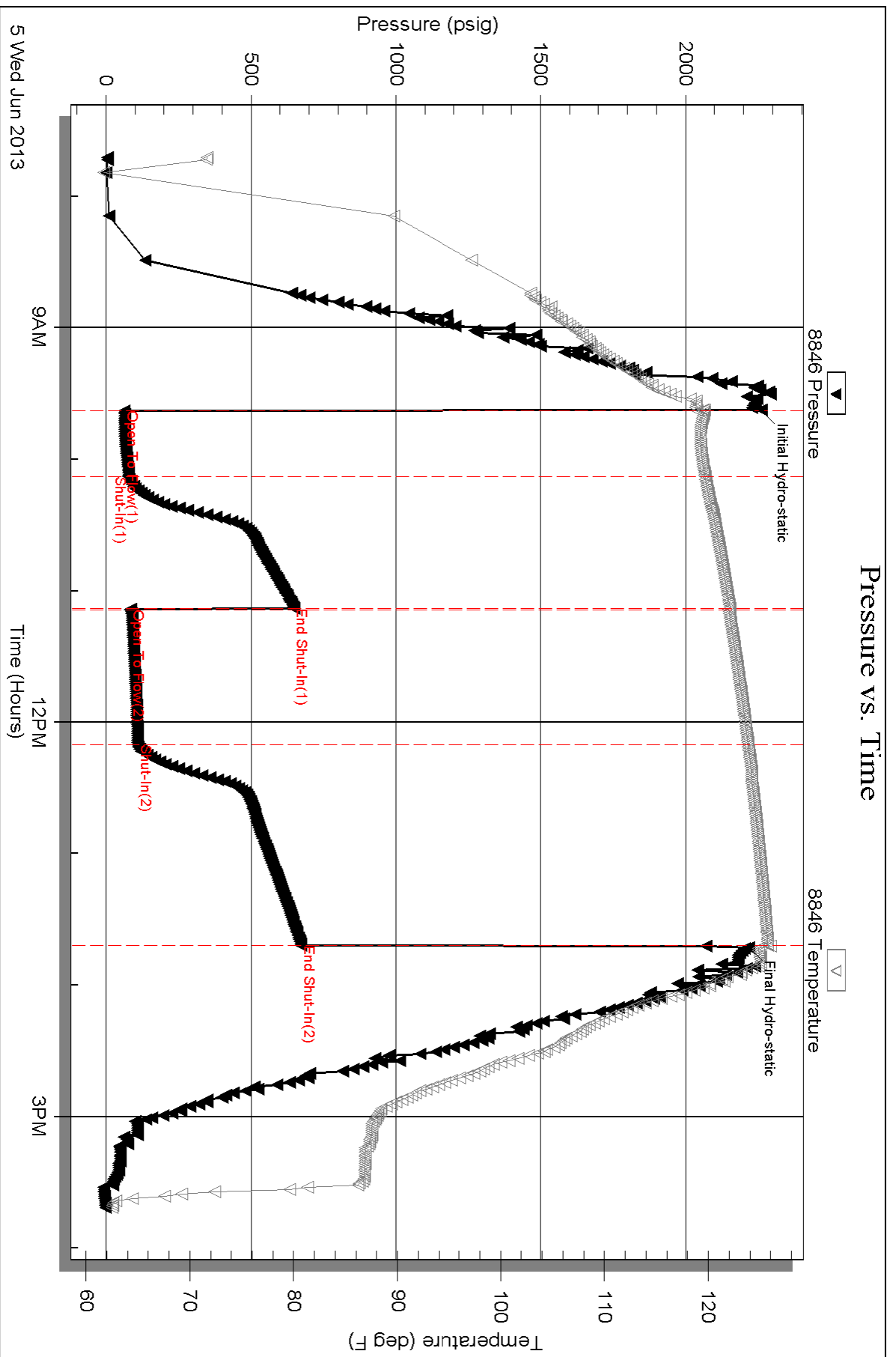
Serial #: 8846

Inside

Forestar Petroleum Corp.

Don 1-22

DST Test Number: 3







**CONSOLIDATED**  
Oil Well Services, LLC

259278

TICKET NUMBER 39992  
LOCATION Oakley KS  
FOREMAN Miles Shaw

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-29-13	2930	Don # 1-22	22	175	29W	Lea
CUSTOMER Fore Star			Dighton 6W 8N DK 240			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			405	Jerry		
STATE			387	Jordan		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 9 1/4" HOLE DEPTH 302' CASING SIZE & WEIGHT 8 3/4 25#  
 CASING DEPTH 302' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 17 1/2 bbl/s DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting and rig up on WWD drilling #8 circulate casing  
mix 260 SAs common class A cement with 3% calcium chloride  
displaced 17 1/2 bbl/s water shut in cement did circulate 2445 top of

Thank you Miles Shaw

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405	1	PUMP CHARGE	1150.00	1150.00
5406	25	MILEAGE	5.25	131.25
5407	9.4 ton	Ton Mix used delivery	430.00	430.00
11045	260 SAs	Class A Cement	18.55	3710.00
1102	564 #	Calcium Chloride	.94	530.16
11183	376 #	Bentonite gel	.27	101.52
		Subtotal		6052.93
		less 10% discount		605.29
		Subtotal		5447.64

completed

Ravn 3737  
 AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 SALES TAX 246.18  
 ESTIMATED TOTAL 5693.82

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

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

259346

TICKET NUMBER 39996

LOCATION Oakley KS

FOREMAN M. S. Shaw

Walt Dunkel

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-7-13	2930	Don #1-22	22	17S	29W	Lane
CUSTOMER Ferre Star			MAY 4 23 P 1400 3S E.S			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			587118	Damon M		
STATE			526	Jordan L		
ZIP CODE			5307129	Stan		

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 4650' CASING SIZE & WEIGHT 5 1/2" 15.5 #  
 CASING DEPTH 4649 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DUTool @ 2286'  
 SLURRY WEIGHT 14.5/12.5 SLURRY VOL 142/1.9 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 110 1/2 / 54 1/2 DISPLACEMENT PSI 200/500 MIX PSI 1300/1500 RATE \_\_\_\_\_

REMARKS: Safety meetings and Rig up on W/W drilling #8. Float equipment  
Centralizers on joints 1, 3, 7, 9, 11, 13, 15, 17, 19 Baskets on middle of 3 and  
bottom of 57 #60 DUTool on top 57 @ 2286'. Run casing to bottom. Circulate casing  
4 1/2" pump 5 bbls water mud flush. Serial 5 bbls water mix 20 SKS 60/40 por 8 1/2 gal  
1/4" flo seal tailed in with 120 SKS OWC with 5" hole seal & 1/4" flo seal. Displace  
55.7 bbls water & 5.5 bbls mud 700 psi lift plug land and hold at 1300 psi. Then  
dash pump tool @ 200 psi. Circulate casing 2 hrs. Pump 5 bbls water mix 3.75 SKS 60/40 por  
2 gal 1/4" flo down casing. Shut down. Cleared pump & lines displaced 5 1/2" water with  
500 psi. 1/4" plug land and shut tool @ 1500 psi mix 30 SKS Rathole  
Cement did circulate 20 bbls top it. Thanks M. S. & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	317.50 <sup>00</sup>	317.50 <sup>00</sup>
5406	40	MILEAGE	5.25	210.00
5407A	25.8 Tons	Ton mileage delivery	1.75	451.50
1126	120 SKS	OWC cement	23.70	2844.00
1110A	600 #	hole seal	.56	336.00
1131	475 SKS	60/40 por cement	15.86	7533.50
1118B	3130 #	Bentonite gel	.27	845.10
1107	143 #	flow seal	2.97	424.71
1144G	Serial	Mud Flush	1.00	500.00
4104	3	5 1/2" Baskets W	290.00	870.00
4159	6	5 1/2" Float Shoe AFH W	433.75	2602.50
4130	6	5 1/2" Centralizers W	61.00	366.00
4283	1	DUTool W	4800.00	4800.00
4454	1	5 1/2" Latch down Plug	318.25	318.25
		Subtotal		24645.31
		less 1080 account		23565.31
		Subtotal		22180.78
		SALES TAX		1103.07
		ESTIMATED TOTAL		23283.85

**Completed**

Ravin 9737

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 fo