



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1172850  
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: \_\_\_\_\_

1172850

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Forestar Petroleum Corporation
Well Name	Holovach 1-11
Doc ID	1172850

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4 feet 16 shots total	300 gal 15% MCA	4506 - 4510
		1200 gal 20% NEFE	
4	6 feet 24 shots total	450 gal 15% MCA	4484 - 4490
4	12 feet 48 shots total	600 gal 15% MCA	4414 - 4420, 4400 - 4406
4	10 feet 40 shots total	450 gal 15% MCA, 1800 gal 20% NEFE	4322 - 4332
4	7 feet 28 holes total	525 gal 15% MCA, 2100 gal 20% NEFE	4254 - 4261





263665

TICKET NUMBER 44389  
 LOCATION Oakley Ki.  
 FOREMAN Dauen, Walt

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
10/31/13	2930	Holovach 1-11	11	17.5	29W	Ks. Lane
CUSTOMER Forestar Petroleum			Healy E To IKE Rd 15 1E S 11th			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Cody		
STATE			693	Jake		
ZIP CODE			Helper	Lance		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 266 CASING SIZE & WEIGHT 856 23"  
 CASING DEPTH 270 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 16.0 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on Val #7 Run Casing Break Circulation with Rig pump Hook up To Pump Truck mix 180 SKs Cem 2% CC 2% Gel Displace with 16 bbl water Shut in Washup Pump + Lines

Cement Did Circulate

Approx 1 bbl To Pit

Thanks Dauen + 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	8.5	ton mileage Delivery	\$7.00	\$595.20
11045	180 SKs	Class "A" Cement	\$18.55	\$3339.00
1102	508 #	Calcium Chloride	\$.94	\$477.52
1118 B	338 #	Bentonite	\$.27	\$91.26
			SubTotal	5862.98
			Less 10%	586.30
			SubTotal	5276.68
			SALES TAX	256.47
			ESTIMATED TOTAL	5528.15

**Completed**

Ravin 5737

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.



263865

TICKET NUMBER 44464  
 LOCATION OAKLEY KS.  
 FOREMAN DAMON M. 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
11-11-13	2930	HOLDVACH 1-11	11	17	29	LANE
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
FORESTAR			399	JORDAN		
MAILING ADDRESS			529 T-127	COBY		
CITY			460	JAKE		
STATE			8102ALONG	MIKE DUSTIN		
ZIP CODE						

JOB TYPE 2-STAGE HOLE SIZE 7 7/8 HOLE DEPTH 4642 CASING SIZE & WEIGHT 5 1/2 15.58  
 CASING DEPTH 4638 DRILL PIPE \_\_\_\_\_ TUBING DV TOOL #57 OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7/125 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING SHOE 21.38  
 DISPLACEMENT 109.87/57 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: SAFETY MEETING RIG UP ON VAL #7 RUN FLOAT EQUIPMENT ON  
SPRINTS CENT ON 1, 3, 5, 7, 9 TURBOLIZERS ON 2, 4, 6, 8, 5B BASKETS ON  
MIDDLE OF 57, 5B DV TOOL ON 57 RAN PIPE TO BOTTOM CIRCULATED  
FOR 1HR PUMPED 5 BBL OF H2O 500GAL OF MUD FLUSH 5 BBL OF H2O  
MIX 125 SKS OWC #5 KOLSEAL SHUT DOWN DROPPED PLUG PUMPED 109 BBL  
OF H2O LIFE WAS #750 LANDED PLUG @ #1500 RIGGED UP TO CIRCULATE  
2 HRS RIGGED UP PUMPED 450 SKS 60/40 F02 870 GEL #4 FLOSEAL SHUT DOWN  
DROPPED PLUG THEN PUMPED 5 1/2 BBL OF H2O LIFE WAS AT #900 LANDED PLUG  
@ #750 RELEASED PRESSURE PLUG HELD CEMENT DID CIRCULATE  
RH 30 SKS MH 20 SKS THANK YOU DAMON WANT CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00
5406	40	MILEAGE	5.25	210.00
5407A	21.38	FUEL/MILEAGE DELIVERY	1.75	1916.80
1126	125 SKS	OWC	23.70	2962.50
110A	625 #	KOLSEAL	.56	350.00
1131	500 SKS	60/40 F02	15.86	7930.00
1118B	3440 #	BETONITE	.27	928.80
1107	375 #	FLOSEAL	2.97	1113.75
11446	500 GAL	MUD FLUSH	1.00	500.00
4159	1	5 1/2 AFW FLOAT SHOE (W)	433.75	433.75
4104	2	5 1/2 BASKETS (W)	290.00	580.00
4130	3	5 1/2 CENTRALIZERS (W)	61.00	305.00
4136	5	5 1/2 TURBOLIZERS (W)	75.75	378.75
4277A	1	5 1/2 DV TOOL (W) #57062B35-03	4800.00	4800.00
4454	1	5 1/2 LATCH DOWN W/PLUG	318.25	318.25
1111	2	SALT	N/C	N/C
				25902.60
			7.15	2590.26
			SALES TAX	23312.37
			ESTIMATED	1325.60
			TOTAL	24638.00

**completed**

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 all services identified on this form.



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway, Suite 600  
Denver CO 80202

ATTN: Keith Reavis & Harle

### **Holovach #1-11**

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

Start Date: 2013.11.06 @ 16:05:00

End Date: 2013.11.07 @ 00:54:15

Job Ticket #: 52994                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.13 @ 13:28:00



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

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

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52994

**DST#: 1**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.06 @ 16:05:00

## GENERAL INFORMATION:

Formation: **Kansas City " H - K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:29:45

Time Test Ended: 00:54:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

**Interval: 4118.00 ft (KB) To 4242.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4242.00 ft (KB) (TVD)

2787.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press@RunDepth: 58.29 psig @ 4119.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.06

End Date:

2013.11.07

Last Calib.: 2013.11.07

Start Time: 16:05:15

End Time:

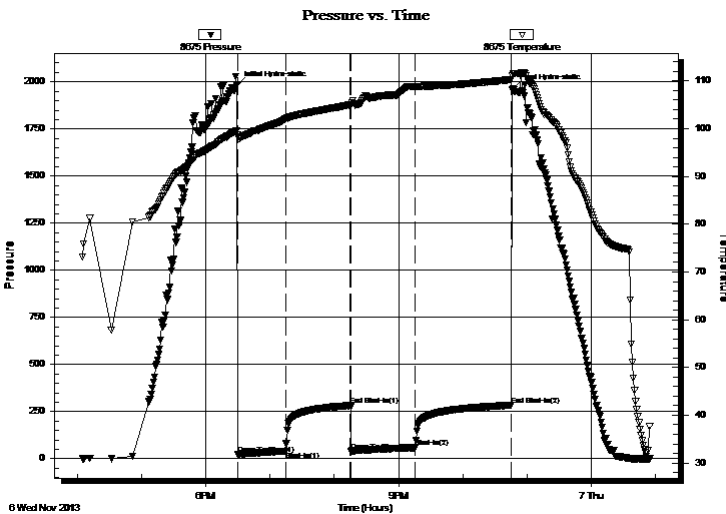
00:54:15

Time On Btm: 2013.11.06 @ 18:29:30

Time Off Btm: 2013.11.06 @ 22:46:45

**TEST COMMENT:** Built to 4" blow  
No return blow  
Built to 2 1/2" blow  
No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.82	99.64	Initial Hydro-static
1	22.37	98.76	Open To Flow (1)
45	40.06	101.99	Shut-In(1)
106	282.45	104.97	End Shut-In(1)
106	41.14	104.88	Open To Flow (2)
166	58.29	108.78	Shut-In(2)
256	285.00	110.27	End Shut-In(2)
258	1964.01	111.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	100% Mud	1.05

## 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, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52994

**DST#: 1**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.06 @ 16:05:00

## Tool Information

Drill Pipe:	Length: 4105.23 ft	Diameter: 3.80 inches	Volume: 57.59 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:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	62000.00 lb
			<u>Total Volume: 57.59 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.73 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4118.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	124.00 ft				
Tool Length:	151.50 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			4091.50	
Shut In Tool	5.00			4096.50	
Hydraulic tool	5.00			4101.50	
Jars	5.00			4106.50	
Safety Joint	2.50			4109.00	
Packer	5.00			4114.00	27.50 Bottom Of Top Packer
Packer	4.00			4118.00	
Stubb	1.00			4119.00	
Recorder	0.00	8675	Inside	4119.00	
Recorder	0.00	8650	Outside	4119.00	
Perforations	25.00			4144.00	
Change Over Sub	1.00			4145.00	
Drill Pipe	93.00			4238.00	
Change Over Sub	1.00			4239.00	
Bullnose	3.00			4242.00	124.00 Bottom Packers & Anchor

**Total Tool Length: 151.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

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

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52994

**DST#: 1**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.06 @ 16:05:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	100% Mud	1.052

Total Length: 75.00 ft      Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

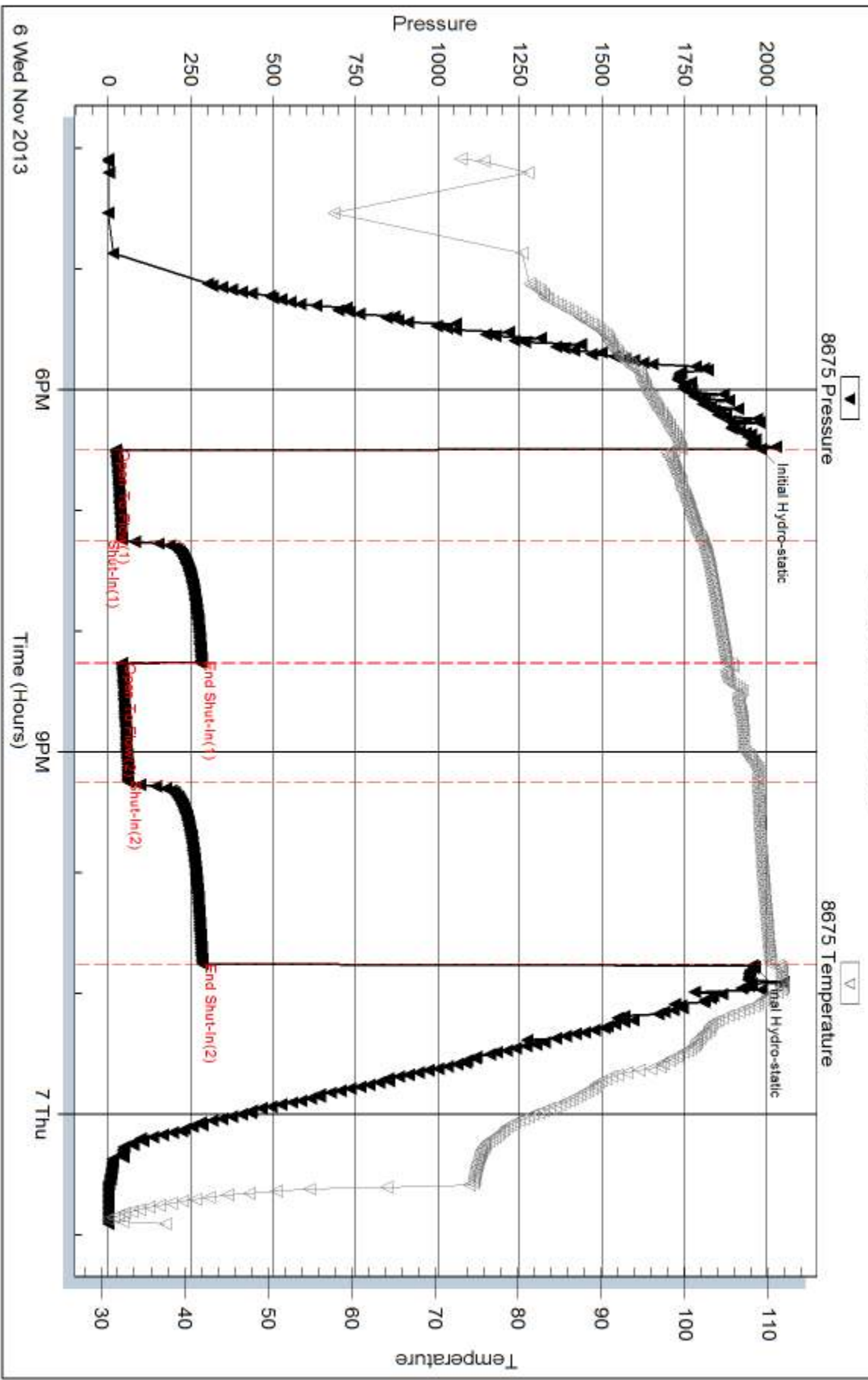
Inside

Forestar Petroleum Corporation

Holovach #1-11

DST Test Number: 1

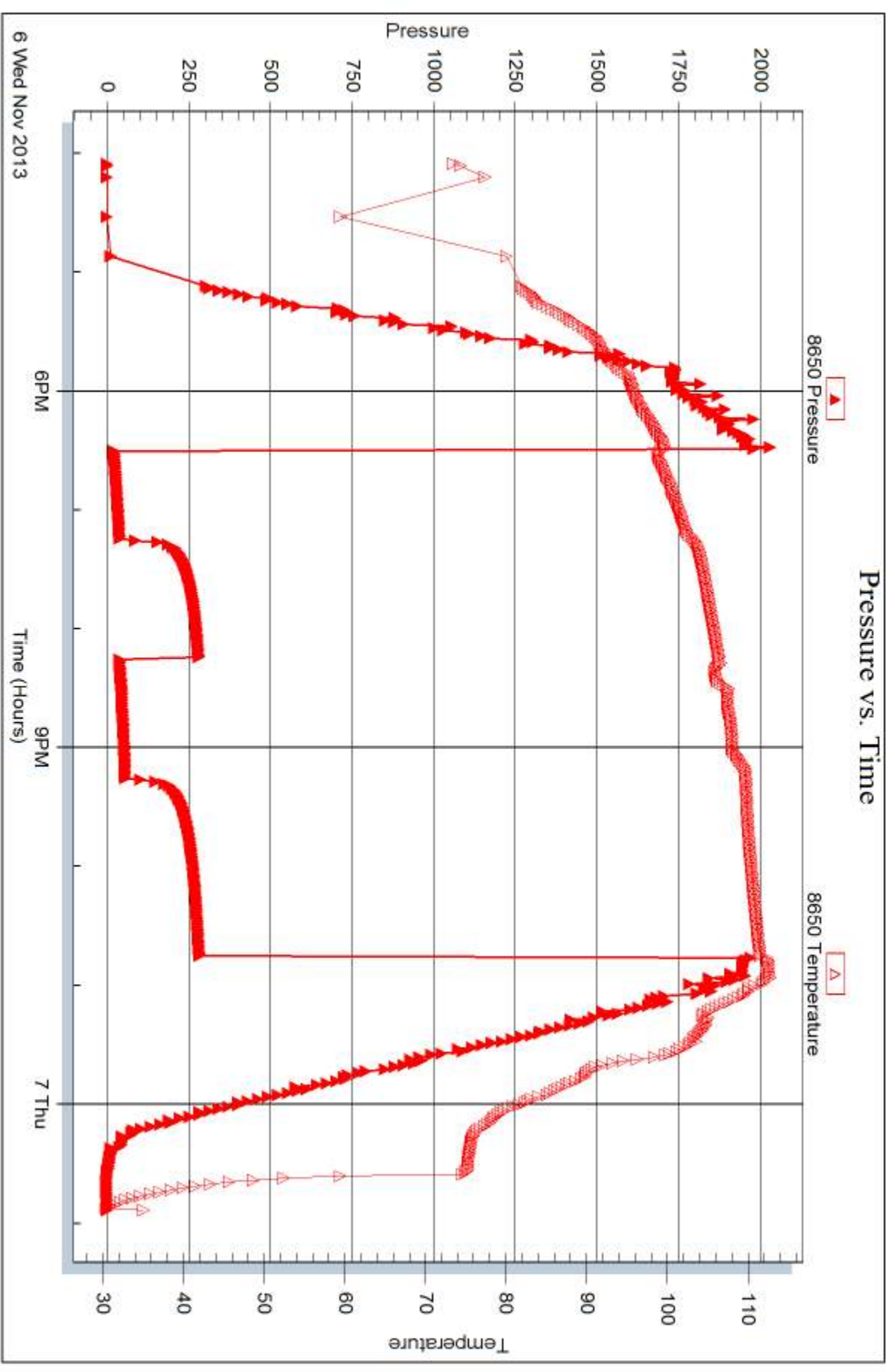
### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 52994

Printed: 2013.11.13 @ 13:28:03





## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway, Suite 600  
Denver CO 80202

ATTN: Keith Reavis & Harle

### **Holovach #1-11**

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

Start Date: 2013.11.07 @ 17:10:00

End Date: 2013.11.08 @ 01:00:00

Job Ticket #: 52995                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.13 @ 13:27:24



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

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

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52995

**DST#: 2**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.07 @ 17:10:00

## GENERAL INFORMATION:

Formation: **KC L - Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:14:45  
 Time Test Ended: 01:00:00  
 Interval: **4240.00 ft (KB) To 4365.00 ft (KB) (TVD)**  
 Total Depth: 4365.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 46  
 Reference Elevations: 2797.00 ft (KB)  
 2787.00 ft (CF)  
 KB to GR/CF: 10.00 ft

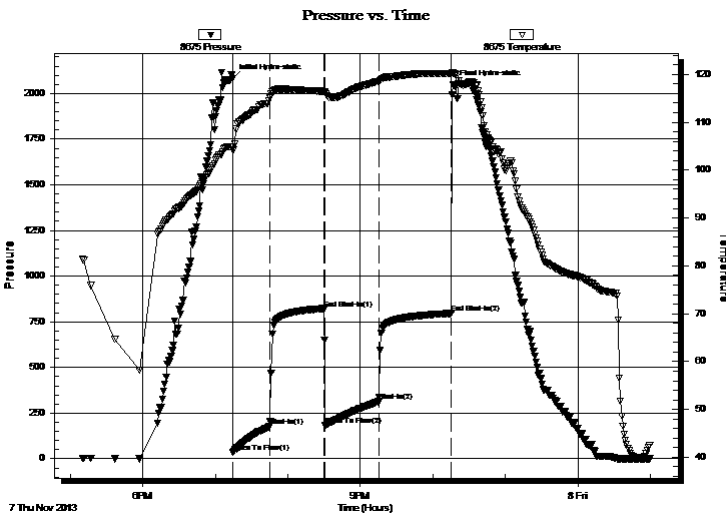
## Serial #: 8675

Inside

Press@RunDepth: 313.54 psig @ 4241.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.07 End Date: 2013.11.08 Last Calib.: 2013.11.08  
 Start Time: 17:10:15 End Time: 01:00:00 Time On Btm: 2013.11.07 @ 19:14:15  
 Time Off Btm: 2013.11.07 @ 22:16:45

TEST COMMENT: B.O.B. in 5 1/2 min.  
 Bled off for 5 min. Built to 4" return blow  
 B.O.B. in 4 min.  
 Bled off for 5 min. B.O.B in 28 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.15	104.91	Initial Hydro-static
1	35.73	104.23	Open To Flow (1)
31	177.08	115.20	Shut-In(1)
76	822.86	116.45	End Shut-In(1)
77	183.66	116.17	Open To Flow (2)
121	313.54	118.51	Shut-In(2)
181	796.25	120.18	End Shut-In(2)
183	2046.85	120.21	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	992' GIP	0.00
310.00	gcmo 10%G 30%M 60%O	4.35
434.00	mcgo 10%M 20%G 70%O	6.09

\* 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, Suite 600  
Denver CO 80202

Holovach #1-11

Job Ticket: 52995

DST#: 2

ATTN: Keith Reavis & Harle

Test Start: 2013.11.07 @ 17:10:00

### GENERAL INFORMATION:

Formation: **KC L - Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:14:45

Time Test Ended: 01:00:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: **4240.00 ft (KB) To 4365.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4365.00 ft (KB) (TVD)

2787.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: **8650** Outside

Press@RunDepth: psig @ 4241.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.07

End Date:

2013.11.08

Last Calib.:

2013.11.08

Start Time:

17:10:15

End Time:

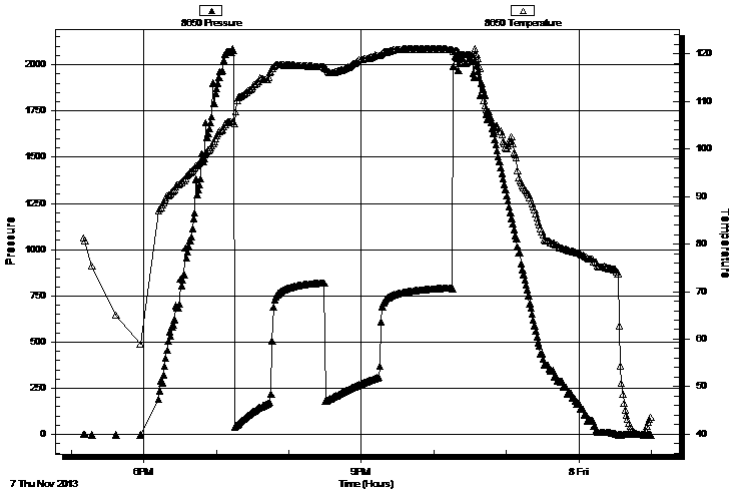
00:59:45

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 5 1/2 min.  
Bled off for 5 min. Built to 4" return blow  
B.O.B. in 4 min.  
Bled off for 5 min. B.O.B in 28 min.

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	992' GIP	0.00
310.00	gcmo 10%G 30%M 60%O	4.35
434.00	mcgo 10%M 20%G 70%O	6.09

### 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, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52995

**DST#: 2**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.07 @ 17:10:00

## Tool Information

Drill Pipe:	Length: 4229.19 ft	Diameter: 3.80 inches	Volume: 59.32 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 59.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.69 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4240.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	125.00 ft			
Tool Length:	152.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4213.50	
Shut In Tool	5.00			4218.50	
Hydraulic tool	5.00			4223.50	
Jars	5.00			4228.50	
Safety Joint	2.50			4231.00	
Packer	5.00			4236.00	27.50 Bottom Of Top Packer
Packer	4.00			4240.00	
Stubb	1.00			4241.00	
Recorder	0.00	8675	Inside	4241.00	
Recorder	0.00	8650	Outside	4241.00	
Perforations	26.00			4267.00	
Change Over Sub	1.00			4268.00	
Drill Pipe	93.00			4361.00	
Change Over Sub	1.00			4362.00	
Bullnose	3.00			4365.00	125.00 Bottom Packers & Anchor

**Total Tool Length: 152.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Forestar Petroleum Corporation

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

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52995

**DST#: 2**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.07 @ 17:10:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 59.00 sec/qt  
Water Loss: 6.76 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1800.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 35 deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	992' GIP	0.000
310.00	gcmo 10%G 30%M 60%O	4.348
434.00	mcgo 10%M 20%G 70%O	6.088

Total Length: 744.00 ft      Total Volume: 10.436 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

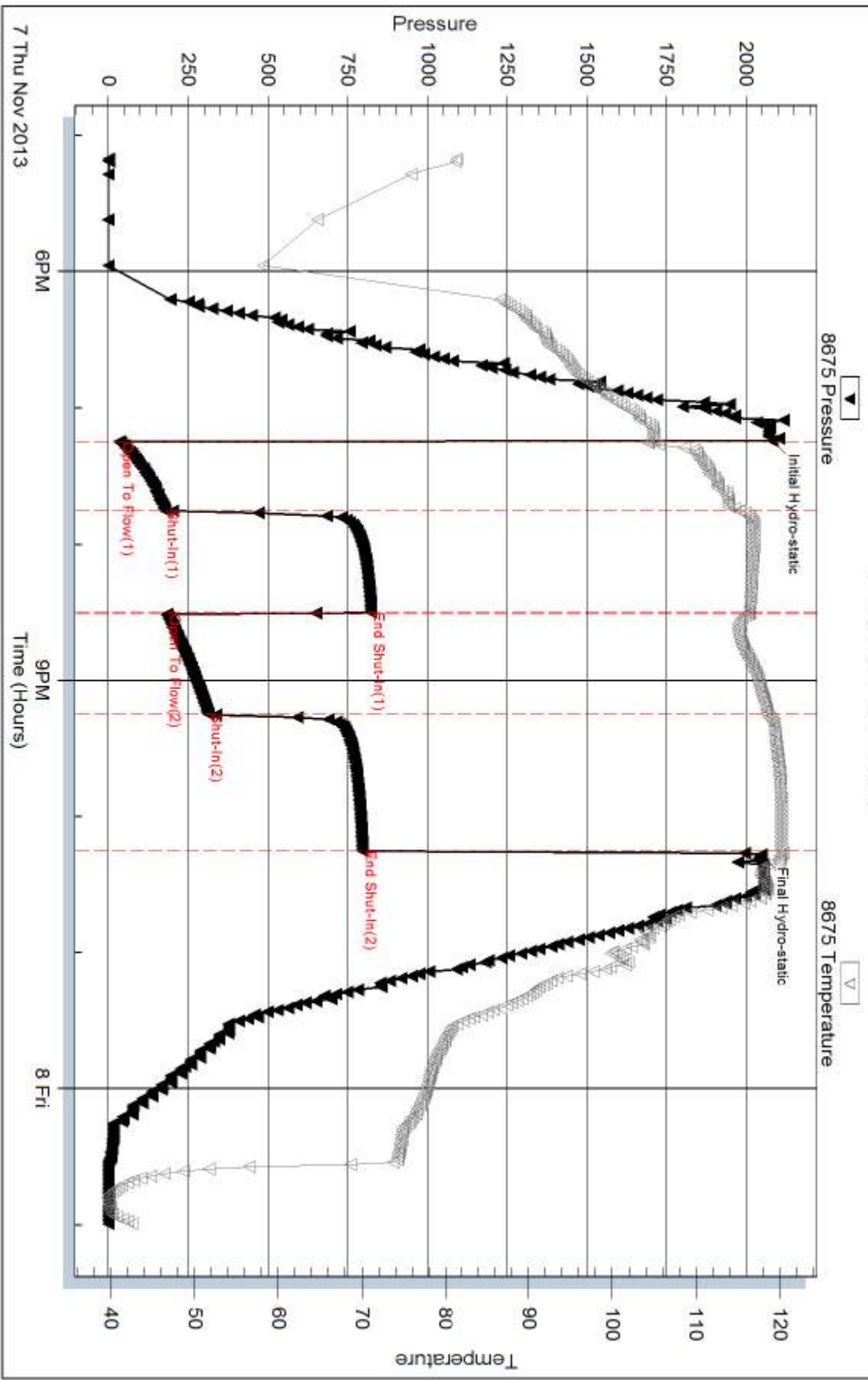
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 33 @ 40 F = 35

### Pressure vs. Time

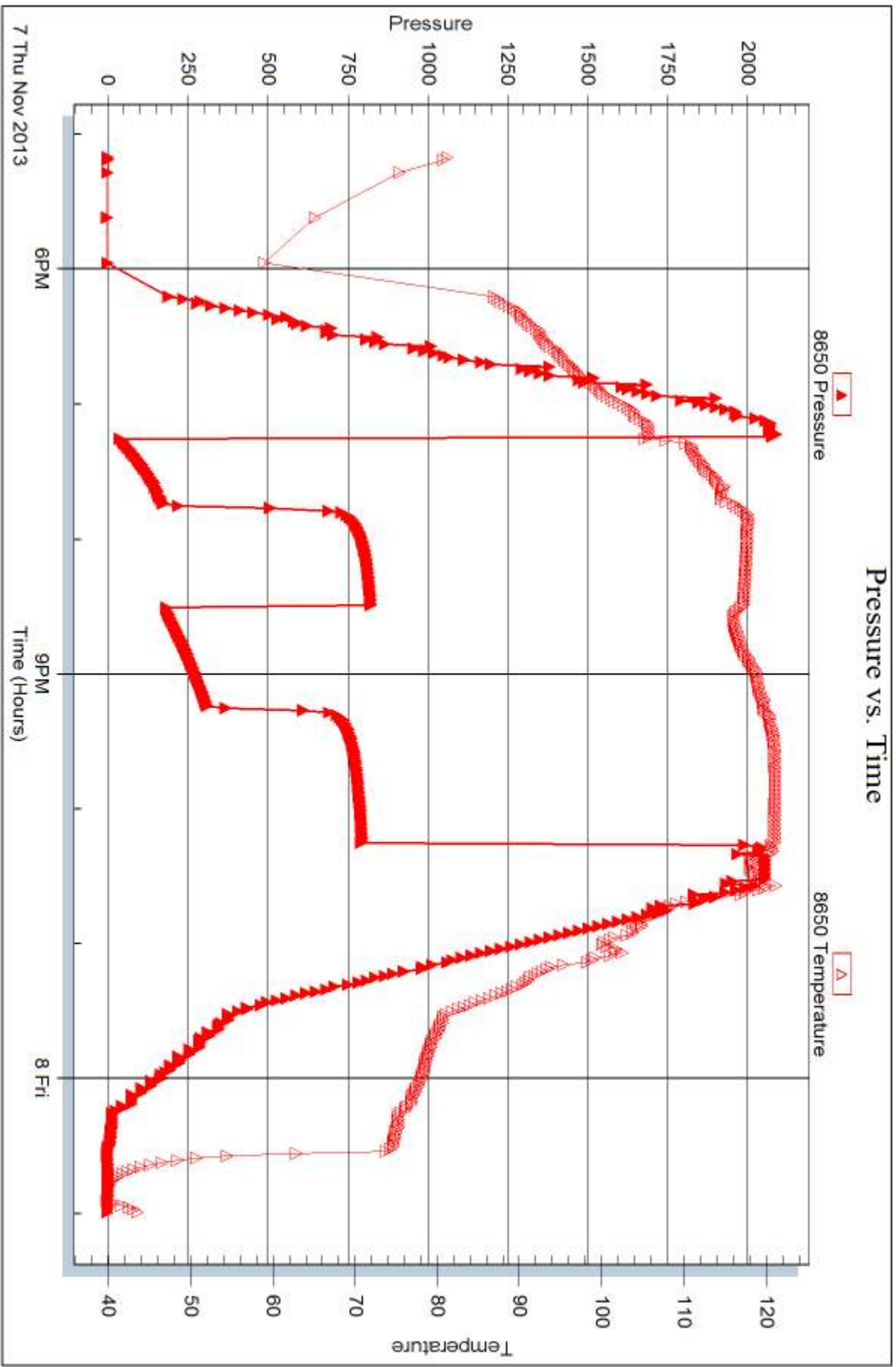


Serial #: 8650

Outside Forestar Petroleum Corporation

Holovach #1-11

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 52995

Printed: 2013.11.13 @ 13:27:27



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway, Suite 600  
Denver CO 80202

ATTN: Keith Reavis & Harle

### **Holovach #1-11**

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

Start Date: 2013.11.08 @ 13:45:00

End Date: 2013.11.08 @ 21:27:45

Job Ticket #: 52996                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.13 @ 13:18:03



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation  
 1801 Broadway, Suite 600  
 Denver CO 80202  
 ATTN: Keith Reavis & Harle

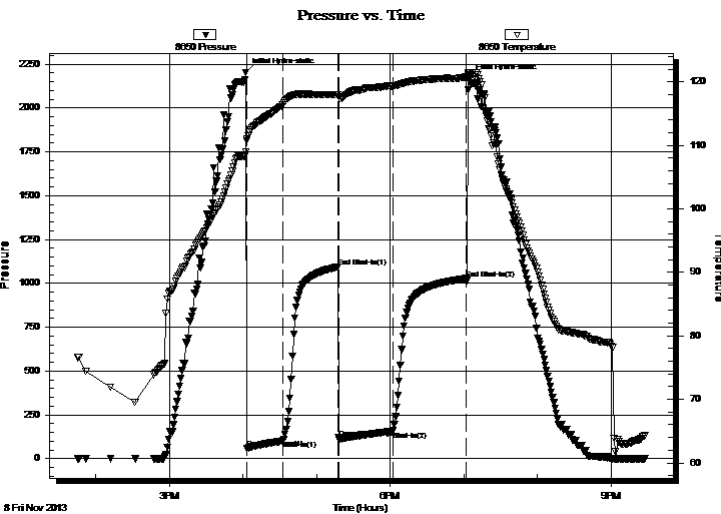
**11-17s-29w Lane, KS**  
**Holovach #1-11**  
 Job Ticket: 52996 **DST#: 3**  
 Test Start: 2013.11.08 @ 13:45:00

## GENERAL INFORMATION:

Formation: **Altamont - Fort Scot**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:03:00  
 Time Test Ended: 21:27:45  
 Interval: **4361.00 ft (KB) To 4461.00 ft (KB) (TVD)**  
 Total Depth: 4461.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney/Cornel  
 Unit No: 46  
 Reference Elevations: 2797.00 ft (KB)  
 2787.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8650 Outside**  
 Press@RunDepth: 155.54 psig @ 4362.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.08 End Date: 2013.11.08 Last Calib.: 2013.11.08  
 Start Time: 13:45:15 End Time: 21:27:45 Time On Btm: 2013.11.08 @ 16:02:15  
 Time Off Btm: 2013.11.08 @ 19:03:45

**TEST COMMENT:** IF: BOB in 7 min.  
 IS: Bled off in 3 min.-3/4" of blow back-died back to 1/2" blow back  
 FF: BOB in 5 min.  
 FS: Bled off in 2 min.-3" of blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.88	108.91	Initial Hydro-static
1	57.03	110.69	Open To Flow (1)
31	102.63	116.45	Shut-In(1)
75	1093.44	117.95	End Shut-In(1)
76	117.82	117.68	Open To Flow (2)
120	155.54	119.33	Shut-In(2)
180	1027.63	120.76	End Shut-In(2)
182	2166.22	121.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	Mcog 20m 20o 60g	2.65
63.00	Ocgm 20o 40g 40m	0.88
136.00	Gocm 20g 20o 60m	1.91
0.00	680 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, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52996

**DST#: 3**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.08 @ 13:45:00

## GENERAL INFORMATION:

Formation: **Altamont - Fort Scot**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:03:00

Time Test Ended: 21:27:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney/Cornel

Unit No: 46

**Interval: 4361.00 ft (KB) To 4461.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4461.00 ft (KB) (TVD)

2787.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8675 Inside**

Press@RunDepth: psig @ 4362.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.08

End Date: 2013.11.08

Last Calib.: 2013.11.08

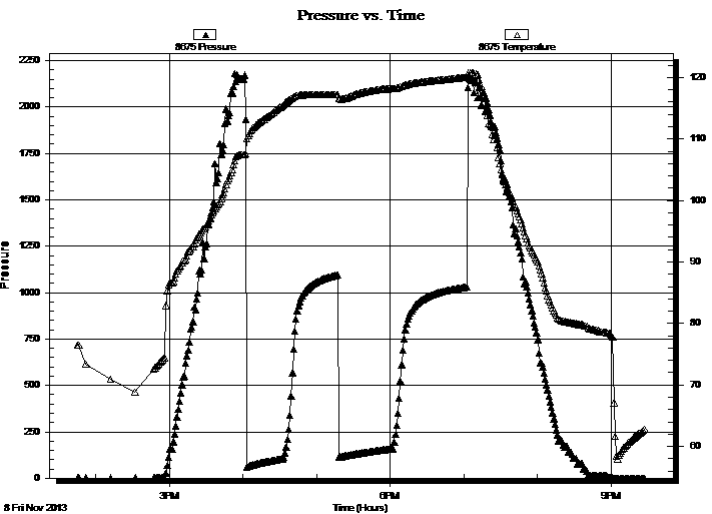
Start Time: 13:45:15

End Time: 21:28:00

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB in 7 min.  
IS: Bled off in 3 min.-3/4" of blow back-died back to 1/2" blow back  
FF: BOB in 5 min.  
FS: Bled off in 2 min.-3" of blow back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	Mcog 20m 20o 60g	2.65
63.00	Ocgm 20o 40g 40m	0.88
136.00	Gocm 20g 20o 60m	1.91
0.00	680 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, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52996

**DST#: 3**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.08 @ 13:45:00

## Tool Information

Drill Pipe:	Length: 4356.00 ft	Diameter: 3.80 inches	Volume: 61.10 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:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 61.10 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4361.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	100.00 ft				
Tool Length:	127.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments: Slid 8 Ft.-Tool did not open till on bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4335.00	
Shut In Tool	5.00			4340.00	
Hydraulic tool	5.00			4345.00	
Jars	5.00			4350.00	
Safety Joint	2.00			4352.00	
Packer	5.00			4357.00	27.00 Bottom Of Top Packer
Packer	4.00			4361.00	
Stubb	1.00			4362.00	
Recorder	0.00	8675	Inside	4362.00	
Recorder	0.00	8650	Outside	4362.00	
Perforations	33.00			4395.00	
Change Over Sub	1.00			4396.00	
Drill Pipe	61.00			4457.00	
Change Over Sub	1.00			4458.00	
Bullnose	3.00			4461.00	100.00 Bottom Packers & Anchor

**Total Tool Length: 127.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Forestar Petroleum Corporation

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

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 52996

**DST#: 3**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.08 @ 13:45:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
189.00	Mcog 20m 20o 60g	2.651
63.00	Ocgm 20o 40g 40m	0.884
136.00	Gocm 20g 20o 60m	1.908
0.00	680 GIP	0.000

Total Length: 388.00 ft

Total Volume: 5.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

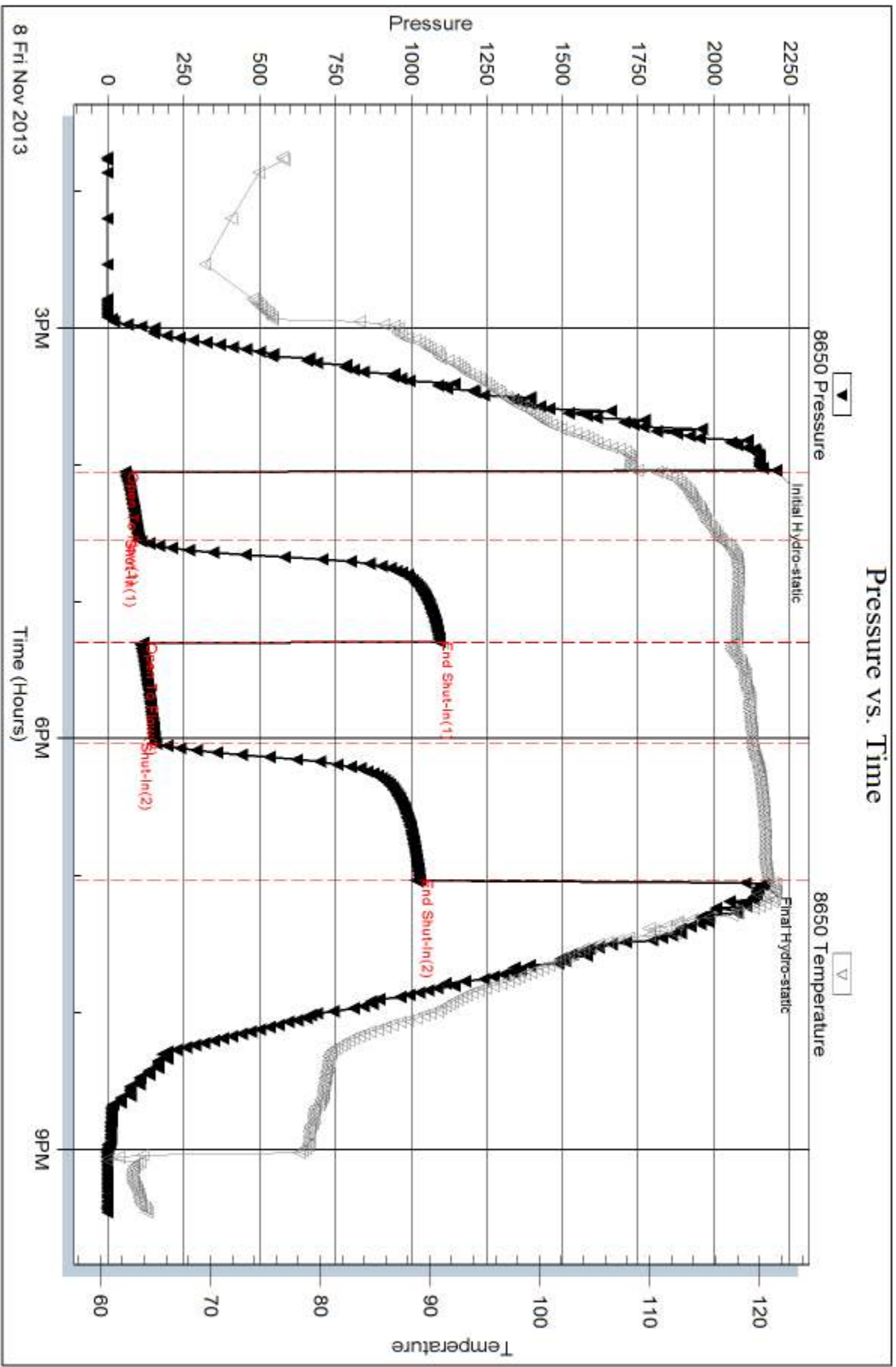
Recovery Comments:

Serial #: 8650

Outside Forestar Petroleum Corporation

Holovach #1-11

DST Test Number: 3



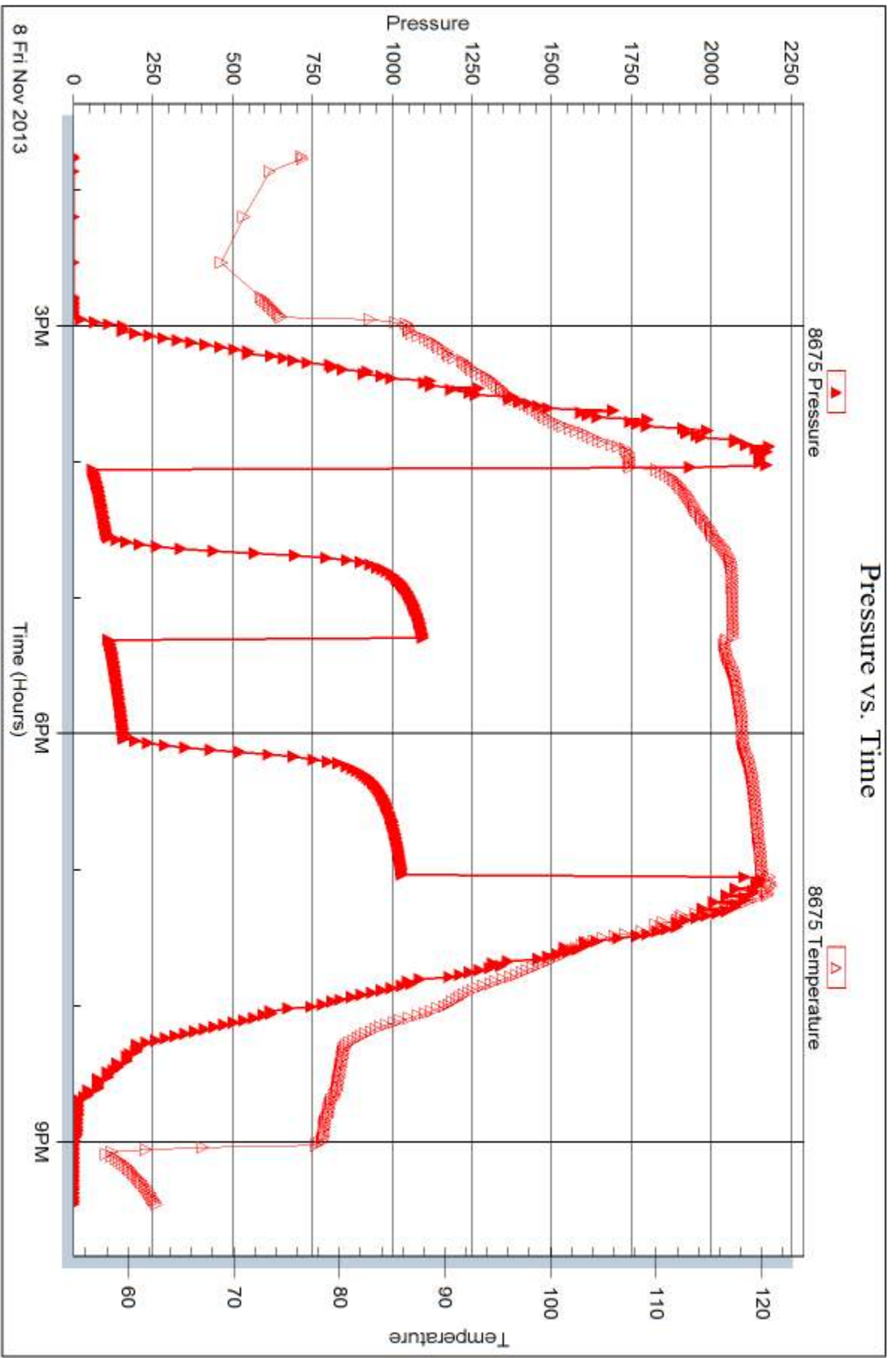
Serial #: 8675

Inside

Forestar Petroleum Corporation

Holovach #1-11

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 52996

Printed: 2013.11.13 @ 13:18:05



## DRILL STEM TEST REPORT

Prepared For: **Forestar Petroleum Corporation**

1801 Broadway, Suite 600  
Denver CO 80202

ATTN: Keith Reavis & Harle

### **Holovach #1-11**

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

Start Date: 2013.11.09 @ 13:40:00

End Date: 2013.11.09 @ 21:38:53

Job Ticket #: 54537                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.13 @ 13:12:37



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

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

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 54537

**DST#: 4**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.09 @ 13:40:00

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:50:38

Time Test Ended: 21:38:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 46

**Interval: 4457.00 ft (KB) To 4567.00 ft (KB) (TVD)**

Reference Elevations: 2797.00 ft (KB)

Total Depth: 4567.00 ft (KB) (TVD)

2787.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8650 Outside**

Press@RunDepth: 226.81 psig @ 4459.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.09

End Date: 2013.11.09

Last Calib.: 2013.11.09

Start Time: 13:40:15

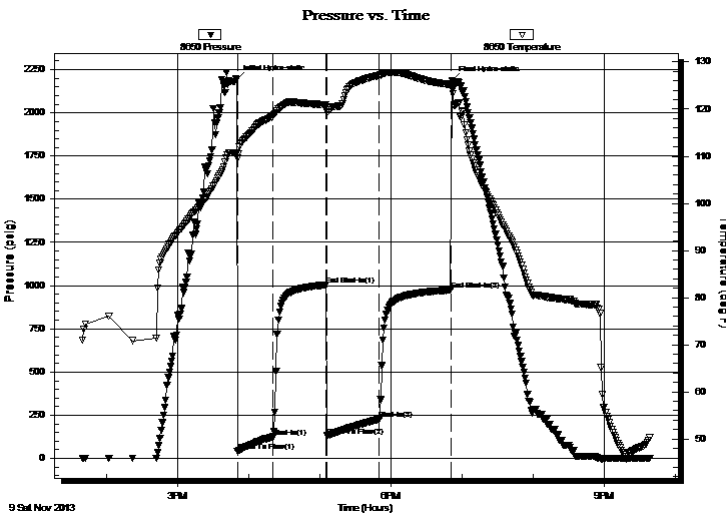
End Time: 21:38:53

Time On Btm: 2013.11.09 @ 15:50:23

Time Off Btm: 2013.11.09 @ 18:51:38

**TEST COMMENT:** IF: BOB in 4 1/2 min.  
IS: Bled off in 4 min.- Built to 4 1/2" of blow back  
FF: 6".immediately - BOB. in 3 1/2 min.  
FS: Bled off in 5 min.- BOB in 25 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.33	110.64	Initial Hydro-static
1	40.44	109.62	Open To Flow (1)
31	124.75	118.62	Shut-In(1)
75	1004.43	120.89	End Shut-In(1)
76	130.79	119.45	Open To Flow (2)
120	226.81	127.15	Shut-In(2)
181	974.99	125.19	End Shut-In(2)
182	2186.92	124.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	Gmco 10g 30m 60o	0.88
126.00	Mcog 10m 40o 50g	1.77
189.00	Cocg 50o 50g	2.65
252.00	Cocg 40o 60g	3.53
0.00	1260 GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Forestar Petroleum Corporation

11-17s-29w Lane,KS

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 54537

**DST#: 4**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.09 @ 13:40:00

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:50:38

Time Test Ended: 21:38:53

**Interval: 4457.00 ft (KB) To 4567.00 ft (KB) (TVD)**

Total Depth: 4567.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 46

Reference Elevations: 2797.00 ft (KB)

2787.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press@RunDepth: psig @ 4459.00 ft (KB)

Start Date: 2013.11.09

End Date:

2013.11.09

Start Time: 13:40:15

End Time:

21:40:15

Capacity: 8000.00 psig

Last Calib.: 2013.11.09

Time On Btm:

Time Off Btm:

## TEST COMMENT:

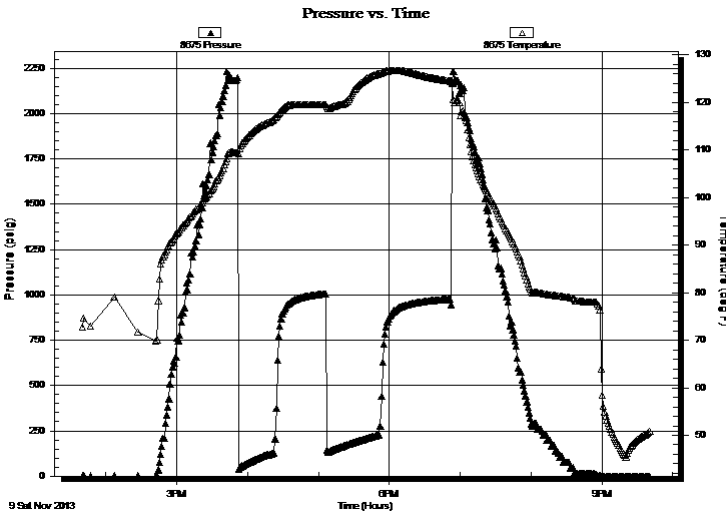
IF: BOB in 4 1/2 min.

IS: Bled off in 4 min.- Built to 4 1/2" of blow back

FF: 6".immediately - BOB. in 3 1/2 min.

FS: Bled off in 5 min.- BOB in 25 min.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	Gmco 10g 30m 60o	0.88
126.00	Mcog 10m 40o 50g	1.77
189.00	Cocg 50o 50g	2.65
252.00	Cocg 40o 60g	3.53
0.00	1260 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, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 54537

**DST#: 4**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.09 @ 13:40:00

## Tool Information

Drill Pipe:	Length: 4452.00 ft	Diameter: 3.80 inches	Volume: 62.45 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4457.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	137.00 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			4431.00	
Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
Safety Joint	2.00			4448.00	
Packer	5.00			4453.00	27.00 Bottom Of Top Packer
Packer	4.00			4457.00	
Stubb	1.00			4458.00	
Perforations	1.00			4459.00	
Recorder	0.00	8675	Inside	4459.00	
Recorder	0.00	8650	Outside	4459.00	
Perforations	10.00			4469.00	
Change Over Sub	1.00			4470.00	
Drill Pipe	91.00			4561.00	
Change Over Sub	1.00			4562.00	
Bullnose	5.00			4567.00	110.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>137.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Forestar Petroleum Corporation

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

1801 Broadway, Suite 600  
Denver CO 80202

**Holovach #1-11**

Job Ticket: 54537

**DST#: 4**

ATTN: Keith Reavis & Harle

Test Start: 2013.11.09 @ 13:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Gmco 10g 30m 60o	0.884
126.00	Mcog 10m 40o 50g	1.767
189.00	Cocg 50o 50g	2.651
252.00	Cocg 40o 60g	3.535
0.00	1260 GIP	0.000

Total Length: 630.00 ft

Total Volume: 8.837 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

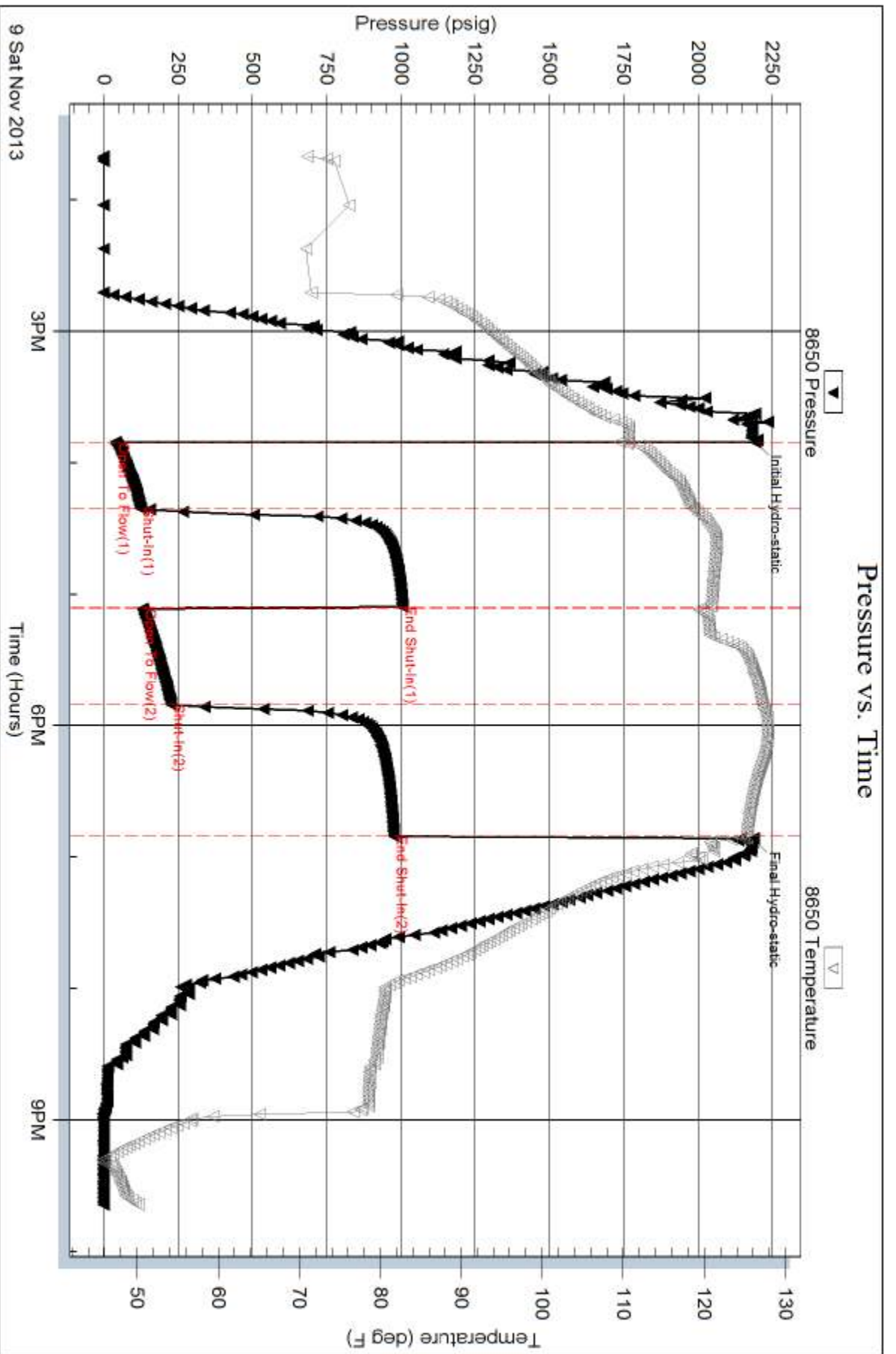
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





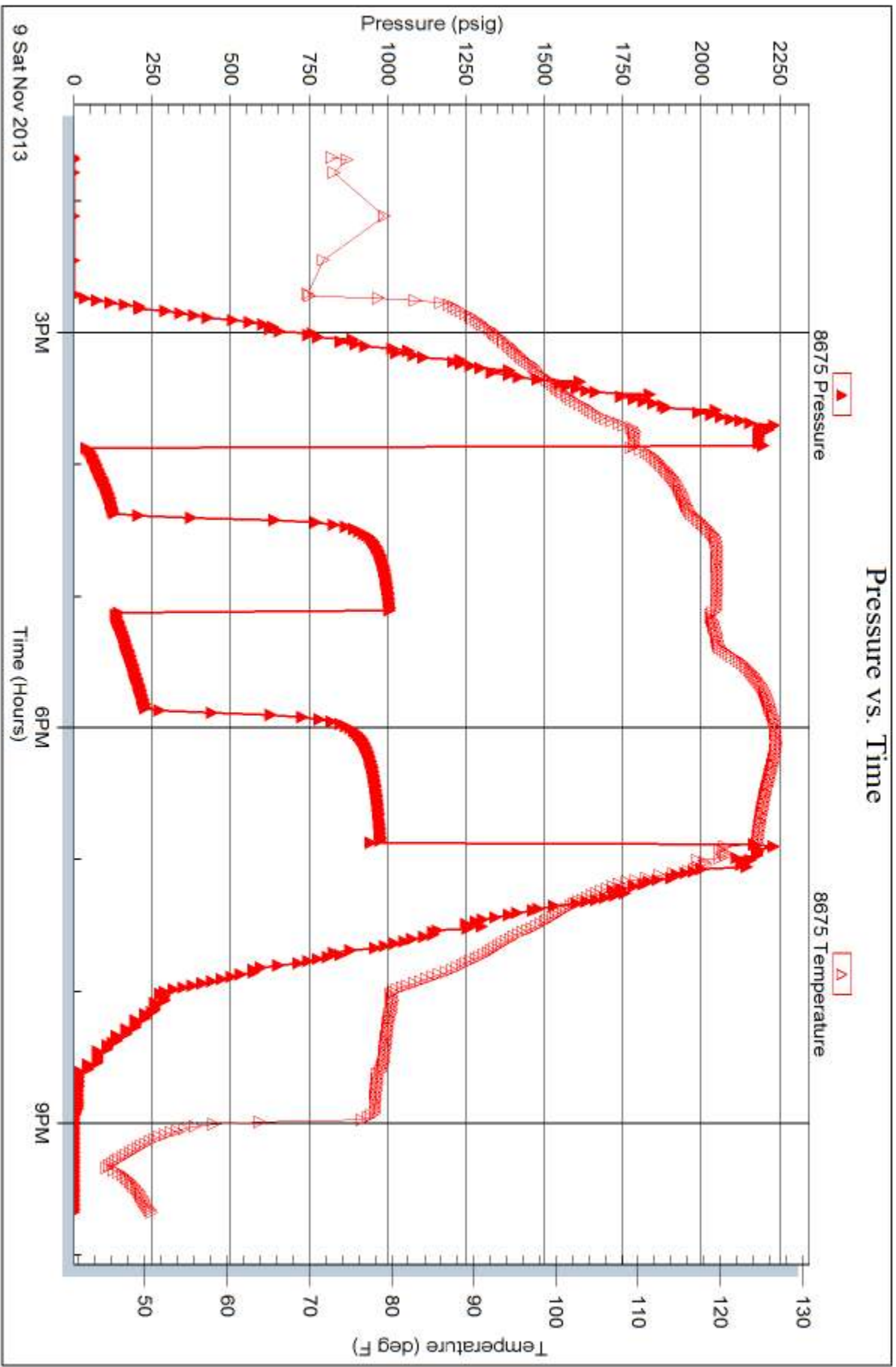
Serial #: 8675

Inside

Forestar Petroleum Corporation

Holovach #1-11

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52994

Well Name & No. Holoyach 1-11 Test No. 1 Date 11/6/13 11/7/13  
 Company Forestar Petroleum Corporation Elevation 2797 KB 2787 GL  
 Address 1801 Broadway, Suite 600 Denver CO. 80202  
 Co. Rep / Geo. Keith Heavis & Harley Davidson Rig Val Energy Rig 7  
 Location: Sec. 11 Twp. 17S Rge. 29W Co. Lane County State K5

Interval Tested 4118-4242 Zone Tested Kansas City "H-K"  
 Anchor Length 124 Drill Pipe Run 4105.23 Mud Wt. 9.3  
 Top Packer Depth 4114 Drill Collars Run \_\_\_\_\_ Vis 46  
 Bottom Packer Depth 4118 Wt. Pipe Run \_\_\_\_\_ WL 7.2  
 Total Depth 4242 Chlorides 1,500 ppm System LCM 2#

Blow Description Built to 4" below  
No return below  
Built to 2 1/2" below  
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>Mud</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 75 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 1,983  Test 1250 T-On Location 11:50  
 (B) First Initial Flow 22  Jars 250 T-Started 16:05  
 (C) First Final Flow 40  Safety Joint 75 T-Open 18:30  
 (D) Initial Shut-In 282  Circ Sub N/C T-Pulled 22:45  
 (E) Second Initial Flow 41  Hourly Standby 2 1/2 hrs 3h 300 T-Out 00:54  
 (F) Second Final Flow 58  Mileage 76 BT 117.80  
 (G) Final Shut-In 285  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,964  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 45  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Copies \_\_\_\_\_  
 Final Shut-In 90 Sub Total 0  
 Sub Total 1992.80 Total 1992.80  
 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] 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. 52995

Well Name & No. Holovach 1-11 Test No. 2 Date 11/7/13 11/8/13  
 Company Forestar Petroleum Corporation Elevation 2797 KB 2787 GL  
 Address 1801 Broadway, Suite 600, Denver CO. 80202  
 Co. Rep / Geo. Keith Reavis Rig Val Energy Rig 7  
 Location: Sec. 11 Twp. 17s Rge. 29w Co. Lane County State KS

Interval Tested 4240-4365 Zone Tested Kansas City L - Marmaton  
 Anchor Length 125 Drill Pipe Run 4229.19 Mud Wt. 9.2  
 Top Packer Depth 4236 Drill Collars Run \_\_\_\_\_ Vis 59  
 Bottom Packer Depth 4240 Wt. Pipe Run \_\_\_\_\_ WL 6.8  
 Total Depth 4365 Chlorides 1,800 ppm System LCM 2 #

Blow Description B.O.B. in 5 1/2 min.  
Bled off for 5 min. Built to 4" return below  
B.O.B. in 4 min.

Bled off for 5 min. B.O.B. in 28 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>992 Feet Gas In Pipe</u>				
<u>310</u>	<u>GCMO</u>	<u>10%</u>	<u>60%</u>	<u>%</u>	<u>30%</u>
<u>434</u>	<u>MCOO</u>	<u>20%</u>	<u>70%</u>	<u>%</u>	<u>10%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 744 BHT 120 Gravity 35 API RW — @ —° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic	<u>2,082</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>16:25</u>
(B) First Initial Flow	<u>36</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>17:10</u>
(C) First Final Flow	<u>177</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>19:15</u>
(D) Initial Shut-In	<u>823</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>22:15</u>
(E) Second Initial Flow	<u>184</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>01:00</u>
(F) Second Final Flow	<u>314</u>	<input checked="" type="checkbox"/> Mileage	<u>76 RT 117.80</u>	Comments	
(G) Final Shut-In	<u>796</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2,047</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60

Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1692.80

Sub Total 1692.80

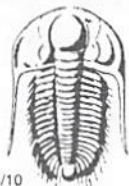
Approved By

*Keith Reavis*

Our Representative

*[Signature]*

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52996

Well Name & No. Holovach # 1-11 Test No. 3 Date 11/8/13  
 Company Forestar Petroleum Corporation Elevation 2797 KB 2787 GL  
 Address 1801 Broadway, Suite 600, Denver CO. 80202  
 Co. Rep / Geo. Keith Beavis Rig Val Energy Rig 7  
 Location: Sec. 11 Twp. 17s Rge. 29w Co. Lane County State Ks

Interval Tested 4361 - 4461 Zone Tested Altamount - Fort Scott  
 Anchor Length 100 Drill Pipe Run 4356 Mud Wt. 9.2  
 Top Packer Depth 4357 Drill Collars Run \_\_\_\_\_ Vis 58  
 Bottom Packer Depth 4361 Wt. Pipe Run \_\_\_\_\_ WL 6.4  
 Total Depth 4461 Chlorides 1,800 ppm System LCM 2#

Blow Description IF: B.o.b. in 7 mins.  
ISF: Bled off in 3 min - 3/4 in blowback - dried back to 1/2 in Blowback  
FF: B.o.b. in 5 min.  
FSF: Bled off in 2 min. 3 in of Blowback

Rec	Feet of	%gas	%oil	%water	%mud
189	MCOG	60	20	20	
63	OCCM	40	20	40	
136	GOCM	20	20	60	
	680 GIP				

Rec Total 388 BHT 121 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2203</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:50</u>
(B) First Initial Flow <u>57</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:45</u>
(C) First Final Flow <u>102</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:02</u>
(D) Initial Shut-In <u>1093</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>19:02</u>
(E) Second Initial Flow <u>117</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:27</u>
(F) Second Final Flow <u>155</u>	<input checked="" type="checkbox"/> Mileage <u>76 RT</u> 117.80	Comments <u>Slid 8' Tool dip</u>
(G) Final Shut-In <u>1027</u>	<input type="checkbox"/> Sampler _____	<u>not open until on Bottom!</u>
(H) Final Hydrostatic <u>2166</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1692.80</u>
	<input checked="" type="checkbox"/> Accessibility _____	MP/DST Disc't _____

Sub Total 1692.80 Our Representative Joe McKimney

Approved By Keith Beavis  
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W. A. G. S. Cornelius  
Landpress



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **54537**

Well Name & No. Holovach #1-11 Test No. 4 Date 11-9-13  
 Company Forestar Petroleum Corporation Elevation 2797 KB 2787 GL  
 Address 1801 Broadway Ste. #600 - Denver, Co 80202  
 Co. Rep / Geo. Keith Reavis / Harley Davidson Rig Val #7  
 Location: Sec. 11 Twp. 17-S Rge. 29-W Co. Lane State Ks

Interval Tested 4457 - 4567 Zone Tested Cherokee-Johnson  
 Anchor Length 110' Drill Pipe Run 4452 Mud Wt. 9.2  
 Top Packer Depth 4453 Drill Collars Run Ø Vis 58  
 Bottom Packer Depth 4457 Wt. Pipe Run Ø WL 6.4  
 Total Depth 4567 Chlorides 3400 ppm System LCM #2

Blow Description IF. B.o.b. in 4 1/2 min.  
ISE: Bled off in 4 mins. - Built to 4 1/2 in. of Blowback  
FF: 6 in. Immediately - D.O.B. in 3 1/2 min.  
FSI: Bled off in 5 min. - B.o.b. in 25 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>Gmco</u>	<u>10</u>	<u>60</u>	<u>30</u>	<u>0</u>
<u>126</u>	<u>MCOG</u>	<u>50</u>	<u>40</u>	<u>10</u>	<u>0</u>
<u>189</u>	<u><del>COcg</del> COcg</u>	<u>50</u>	<u>50</u>	<u>0</u>	<u>0</u>
<u>252</u>	<u>COcg</u>	<u>60</u>	<u>40</u>	<u>0</u>	<u>0</u>
<u>1260</u>	<u>GIP</u>				

Rec Total 630 BHT 124 Gravity 39 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2192  Test 1250 T-On Location 13:00  
 (B) First Initial Flow 40  Jars 250 T-Started 13:40  
 (C) First Final Flow 124  Safety Joint 75 T-Open 15:52  
 (D) Initial Shut-In 1004  Circ Sub N/C T-Pulled 18:52  
 (E) Second Initial Flow 130  Hourly Standby \_\_\_\_\_ T-Out 21:41  
 (F) Second Final Flow 226  Mileage 235.60 Comments Spd 12' to bottom  
 (G) Final Shut-In 974  Sampler loaded tools 11/10 17:00 Tool did not open until  
 (H) Final Hydrostatic 2186  Straddle \_\_\_\_\_ on bottom!  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 0  
 Total 1810.60  
 MP/DST Disc't \_\_\_\_\_

Approved By Keith Reavis Our Representative [Signature]  
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