



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1195106  
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: \_\_\_\_\_

1195106

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
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Forestar Petroleum Corporation
Well Name	LCF 1-11
Doc ID	1195106

All Electric Logs Run

SBGR CCI Log
Borehole Compensated Sonic Log
Microresistivity Log
Dual Induction Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	Forestar Petroleum Corporation
Well Name	LCF 1-11
Doc ID	1195106

Tops

Name	Top	Datum
Anhydrite	2195	599
Topeka	3692	-898
Heebner	3933	-1139
Lansing	3969	-1175
Stark	4227	-1433
BKC	4308	-1515
Marmaton	4332	-1538
Pawnee	4424	-1630
Cherokee	4473	-1679
Johnson	4544	-1750



SK

FEB 18 2014



CONSOLIDATED  
Oil Well Services, LLC

265944

TICKET NUMBER 38147  
LOCATION Oakley KS  
FOREMAN Jerry V Miles S.

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
2-12-14	2930	LCF 1-11	11	175	29w	Lane

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Forestar	399	Timi W		
	460	Lance R		
	529-T-129	Jeremy R		

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 4653 CASING SIZE & WEIGHT 5 1/2, 15.5#  
 CASING DEPTH 4655 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DV top of 57 @ 2282  
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 21.43  
 DISPLACEMENT 40 1/4 / 54 1/4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig up on LWS run float equip, centralizers on 2, 4, 6, 8, 10  
turbolizers on 12, 14, 16, 18, 20, baskets on bottom of 57, 58, DV Tool on top of 57 @  
2282' run casing to bottom pump hole thru & circulate 1hr hook up to pump truck pump 56bl H<sub>2</sub>O, 500 gal  
mud flush, 56bl H<sub>2</sub>O behind mix 125 sks OWC w/ 5# Kal seal shut down release plug clean pump & lines  
& displace with 110 1/4 bl (60 H<sub>2</sub>O 50% mud) 700# lift plug landed @ 1800' # released & plug held  
@ 800' hook to rig tree & circulated 2hrs hook up to truck pump 56bl water mix 30 sks R hand  
450 sks 60/40 88 gal 3/4# flo seal lost circulation while mixing shut down released plug  
wash pump & lines displaced with 34 1/2 bl had 650' then fell off to 300' 1hr back all  
label & tool closed @ 1450' released & float held small trace of cement to pit.  
Thank you Jerry, Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	317.50	317.50
5406	40	MILEAGE	5.25	210.00
5407A	26.6	ten mileage delivery	1.75	186.20
1126	125 sks	OWC	23.70	2962.50
1110A	625#	Kal seal	.56	350.00
1131	480 sks	60/40 per. mix	15.86	7612.80
1118b	3302 #	gel	.27	891.54
1107	36.0 #	Flo seal	2.97	1069.20
1144G	500 gal	mud flush	1.00	500.00
4159	1	5 1/2 AFU float shoe	433.15	433.15
4130	5	5 1/2 centralizers	61.00	305.00
4136	5	5 1/2 Turbolizers	75.15	378.75
4104	2	5 1/2 baskets	290.00	580.00
4277A	1	5 1/2 DV Tool (SN 59822891-03)	4900.00	4900.00
4454	1	5 1/2 latchdown assy	567.92	567.92
		Subtotal		25797.54
		less 10% disc		2579.75
		Subtotal		23217.79
		SALES TAX 7.15		1322.44
		ESTIMATED TOTAL		24540.23

completed

Flavin 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE 2/13/14

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.





# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
Cell: (620) 282-8977**

P.O. Box 157  
Hoisington KS 67544  
Office: (800) 542-7313

## General Information

**Company Name** Forestar Petroleum Corporation  
**Well Operator** Forestar Petroleum Corporation  
**Contact** Jack Renfro  
**Site Contact** Mac Armstrong  
**Field** NA  
**Well Type** Vertical  
**Prepared By** Jake Fahrenbruch

**Well Name** LCF #1-11  
**Unique Well ID** DST #1 Lansing "L" -Marmaton 4250'-4380'  
**Surface Location** Sec 11-17s-29w-Lane Co.-KS  
**Test Unit** #5  
**Pool** NA  
**Job Number** F242  
**Qualified By** Mac Armstrong

## Test Information

**Test Type** BTM-HOLE (J&J W/SAMPLER & SHALE PKR)  
**Formation** Lansing "L" - Marmaton 4250'-4380'  
**Start Test Date** 2014/02/09  
**Final Test Date** 2014/02/10

**Test Purpose** Initial Test  
**Gauge Name** Inside 5951  
**Start Test Time** 18:28:00  
**Final Test Time** 04:05:00

## Test Results

30 minute initial flow period: Weak blow, increased to 3" in bucket of diesel fuel.  
60 minute initial shut-in period: No blow-back.  
60 minute final flow period: Weak blow, increased to 2.75" in bucket of diesel fuel.  
90 minute final shut-in period: No blow-back.

**Recovered:** 140' Drilling Mud, 100% mud  
-----  
SAMPLER: 100% Drilling Mud @ 450 PSI  
-----  
BOTTOM-HOLE TEMP: 115 DEG F

**PRESSURES:**  
IHP: 2087  
IFP: 10-42  
ISIP: 733  
FFP: 44-76  
FSIP: 487  
FHP: 2070

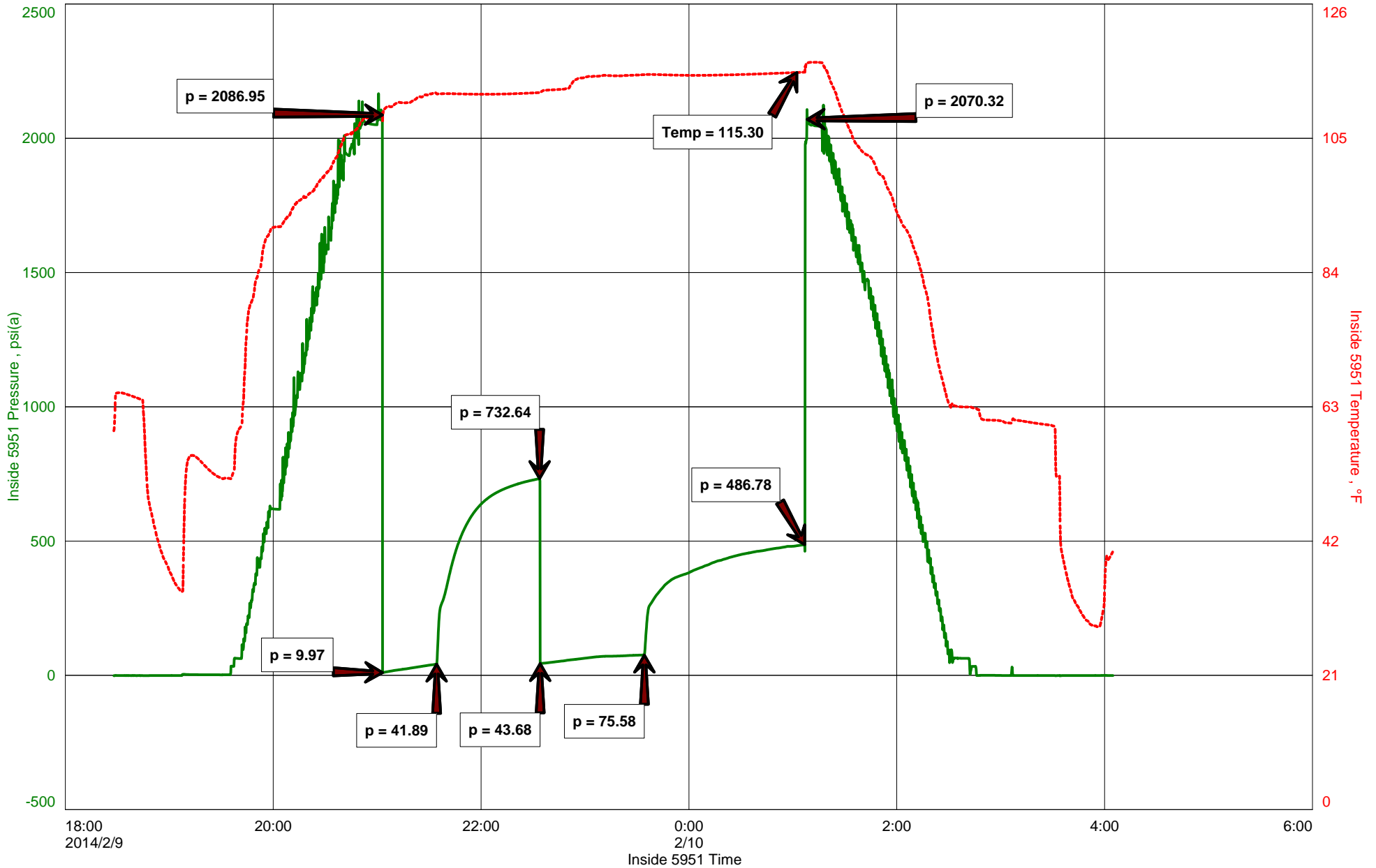
Thanks



Forestar Petroleum Corporation  
DST #1 Lansing "L" -Marmaton 4250'-4380'  
Start Test Date: 2014/02/09  
Final Test Date: 2014/02/10

LCF #1-11  
Formation: Lansing "L" - Marmaton 4250'-4380'  
Pool: NA  
Job Number: F242

# LCF #1-11





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: LCF1DST1

TIME ON: 6:28 PM  
TIME OFF: 4:05 AM 2-10-14

Company Forestar Petroleum Corporation Lease & Well No. LCF #1-11  
Contractor WW Drlg. Rig #8 Charge to Forestar Petroleum Corporation  
Elevation 2794' KB Formation Lansing "L" - Marmaton Effective Pay \_\_\_\_\_ Ft. Ticket No. F242  
Date 2-9-14 SUN Sec. 11 Twp. \_\_\_\_\_ 17 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Lane \_\_\_\_\_ State KANSAS  
Test Approved By Mac Armstrong Diamond Representative Jake Fahrenbruch

Formation Test No. ONE Interval Tested from 4250 ft. to 4380 ft. Total Depth 4380 ft.  
Packer Depth 4244 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4250\*SHALE\* ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4227 ft. Recorder Number 5951 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4251 ft. Recorder Number 5584 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 54 (1# LCM) Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 2400 P.P.M. Drill Pipe Length 4088 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 J&J.Sampler, Shale PKR Test Tool Length 37 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 130 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>33"PERF(5TOP,28"BTM)</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 3" in bucket of diesel fuel. No blow-back.

2nd Open: Weak blow, increased to 2.75" in bucket of diesel fuel. No blow-back.

Recovered <u>140</u> ft. of <u>Drilling Mud</u>	<u>100% mud</u>
Recovered _____ ft. of <u>SAMPLER: 100% Drilling Mud @ 450 PSI</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Jars, Safety Joint, Sample Chamber, Shale Packer</u>	Insurance
<u>330 miles round trip for DST #1</u>	
	Total

Time Set Packer(s) 9:04 PM 2-9 <sup>A.M.</sup> P.M. Time Started Off Bottom 1:04 AM 2-10 <sup>A.M.</sup> P.M. Maximum Temperature 115 Deg F

Initial Hydrostatic Pressure..... (A) 2087 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 42 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 733 P.S.I.  
Final Flow Period..... Minutes 60 (E) 44 P.S.I. to (F) 76 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 487 P.S.I.  
Final Hydrostatic Pressure..... (H) 2070 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.



# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
Cell: (620) 282-8977**

P.O. Box 157  
Hoisington KS 67544  
Office: (800) 542-7313

## General Information

**Company Name** FORESTAR PETRO. CORP.  
**Well Operator** FORESTAR PETRO. CORP.  
**Contact** JACK RENFRO  
**Site Contact** MAC ARMSTRONG  
**Field** NA  
**Well Type** Vertical  
**Prepared By** JAKE FAHRENBRUCH

**Well Name** LCF #1-11  
**Unique Well ID** DST #2 FT. SCOTT, CHEROKEE LIME 4435'-4503'  
**Surface Location** SEC 11-17S-29W-LANE CO.-KS  
**Test Unit** #5  
**Pool** NA  
**Job Number** F243  
**Qualified By** MAC ARMSTRONG

## Test Information

**Test Type** BTM-HOLE W/J&J, SMPL CHMBR, SHALE PKR  
**Formation** FT. SCOTT, CHEROKEE LIME 4435'-4503'  
**Start Test Date** 2014/02/10  
**Final Test Date** 2014/02/11

**Test Purpose** Initial Test  
**Gauge Name** Inside 5951  
**Start Test Time** 19:35:00  
**Final Test Time** 04:06:00

## Test Results

30 MINUTE INITIAL FLOW PERIOD: STRONG BLOW, INC. TO B.O.B. IN 6 MINUTES.  
45 MINUTE INITIAL SHUT-IN PERIOD: WEAK SURFACE BLOW-BACK.  
45 MINUTE FINAL FLOW PERIOD: STRONG BLOW, INC. TO B.O.B. IN 8 MINUTES.  
60 MINUTE FINAL SHUT-IN PERIOD: BLOW-BACK @ .5"

### RECOVERED:

205' GCOM 10%GAS, 38% OIL, 52% MUD (205' X .0142 BBL/FOOT = 2.9110 BBL)  
125' SGC HMCO 5% GAS, 70% OIL, 25% MUD (125' X .0049 BBL/FOOT = 0.6125 BBL)  
----- TOTAL RECOVERED FLUID: 330' ----- (3.5235 BBL) ----- (1.53493 BBL OIL, 1.666845 BBL MUD)  
----- SAMPLE CHAMBER: SMCO, 97% OIL, 3% MUD @ 900 PSI  
----- GRAVITY: 36.5 CORRECTED TO 60 DEG F  
----- 765' GAS IN PIPE  
----- BOTTOM-HOLE TEMP: 123 DEG F

### PRESSURES:

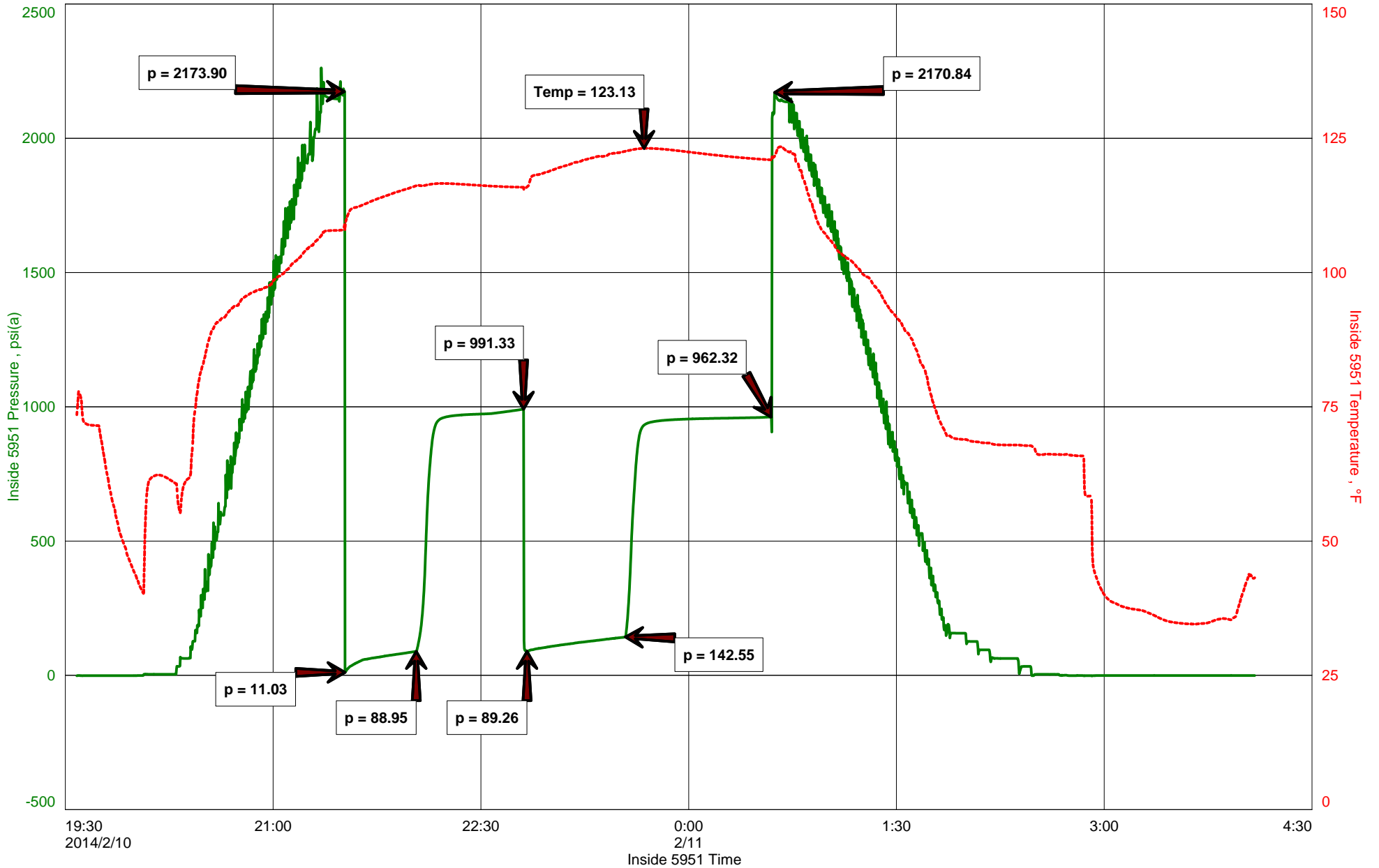
IHP: 2174  
IFP: 11-89  
ISIP: 991  
FFP: 89-143  
FSIP: 962  
FHP: 2171

Thanks

FORESTAR PETRO. CORP.  
DST #2 FT. SCOTT, CHEROKEE LIME 4435'-4503'  
Start Test Date: 2014/02/10  
Final Test Date: 2014/02/11

LCF #1-11  
Formation: FT. SCOTT, CHEROKEE LIME 4435'-4503'  
Pool: NA  
Job Number: F243

# LCF #1-11





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: LCF1DST2

TIME ON: 7:35 PM  
TIME OFF: 4:06 AM 2-11

Company FORESTAR PETROLEUM CORPORATION Lease & Well No. LCF #1-11  
Contractor WW DRLG. RIG #8 Charge to FORESTAR PETRO. CORP.  
Elevation 2794' KB Formation FT. SCOTT, CHEROKEE LIME Effective Pay \_\_\_\_\_ Ft. Ticket No. F243  
Date 2-10-14 MON Sec. 11 Twp. \_\_\_\_\_ 17 S Range \_\_\_\_\_ 29 W County LANE State KANSAS  
Test Approved By MAC ARMSTRONG Diamond Representative JAKE FAHRENBRUCH

Formation Test No. TWO Interval Tested from 4435 ft. to 4503 ft. Total Depth 4503 ft.  
Packer Depth 4429 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4435\*SHALE\* ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4412 ft. Recorder Number 5951 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4437 ft. Recorder Number 5584 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 51 (1# LCM) Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 3100 P.P.M. Drill Pipe Length 4273 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ #5 (J&J, SAMPLER, SHALE PACKER) Test Tool Length 37 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 68 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>34'PERF(6'TOP,28'BTM)</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW, INC. TO B.O.B. IN 6 MINUTES. WEAK SURFACE BLOW-BACK.  
2nd Open: STRONG BLOW, INC. TO B.O.B. IN 8 MINUTES. BLOW-BACK @ .5".

Recovered 205 ft. of GCOM 10% GAS, 38% OIL, 52% MUD (205' X .0142 BBL/FT = 2.911 BBL)  
Recovered 125 ft. of SGC HMCO 5% GAS, 70% OIL, 25% MUD (125' X .0049 BBL/FT = .6125 BBL)  
Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 330' = 3.5235 BBL (1.53493 BBL OIL, 1.666845 BBL MUD)  
Recovered \_\_\_\_\_ ft. of SAMPLE CHAMBER: SMCO, 97% OIL, 3% MUD @ 900 PSI

Recovered _____ ft. of <u>GRAVITY: 36.5 CORRECTED TO 60 DEG F</u>	Price Job
Recovered _____ ft. of <u>765' GAS IN PIPE</u>	TEST: \$1,225.00 Other Charges
Remarks: _____	JARS, SAFETY-JOINT, SAMPLE CHAMBER, SHALE PACKER: \$775.00 Insurance
	55 MILES ROUND TRIP FOR DST #2: \$77.00
	TOTAL FOR DST #2: \$2,077.00 Total

Time Set Packer(s) 9:32 PM 2-10 <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 12:32 AM 2-11 <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 123 DEG F

Initial Hydrostatic Pressure..... (A) 2174 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 89 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 991 P.S.I.  
Final Flow Period..... Minutes 45 (E) 89 P.S.I. to (F) 143 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 962 P.S.I.  
Final Hydrostatic Pressure..... (H) 2171 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.





# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
Cell: (620) 282-8977**

P.O. Box 157  
Hoisington KS 67544  
Office: (800) 542-7313

## General Information

<b>Company Name</b>	FORESTAR PETRO. CORP.	<b>Well Name</b>	LCF #1-11
<b>Well Operator</b>	FORESTAR PETRO. CORP.	<b>Unique Well ID</b>	DST #3 CHEROKEE-JOHNSON 4496'-4580'
<b>Contact</b>	JACK RENFRO	<b>Surface Location</b>	SEC 11-17S-29W-LANE CO.-KS
<b>Site Contact</b>	MAC ARMSTRONG	<b>Test Unit</b>	#5
<b>Field</b>	NA	<b>Pool</b>	NA
<b>Well Type</b>	Vertical	<b>Job Number</b>	F244
<b>Prepared By</b>	JAKE FAHRENBRUCH	<b>Qualified By</b>	MAC ARMSTRONG

## Test Information

<b>Test Type</b>	BTM-HOLE W/J&J, SMPLE CHMBR, SH PKR	<b>Test Purpose</b>	Initial Test
<b>Formation</b>	CHEROKEE-JOHNSON 4496'-4580'	<b>Gauge Name</b>	INSIDE 5951
<b>Start Test Date</b>	2014/02/11	<b>Start Test Time</b>	15:42:00
<b>Final Test Date</b>	2014/02/12	<b>Final Test Time</b>	00:03:00

## Test Results

30 MINUTE INITIAL FLOW PERIOD: FAIRLY STRONG BLOW, B.O.B. IN 18 MINUTES.  
 45 MINUTE INITIAL SHUT-IN PERIOD: BLOW-BACK @ .5".  
 45 MINUTE FINAL FLOW PERIOD: FAIRLY STRONG BLOW, B.O.B. IN 13 MINUTES.  
 60 MINUTE FINAL SHUT-IN PERIOD: BLOW-BACK @ 3.5".

### RECOVERED:

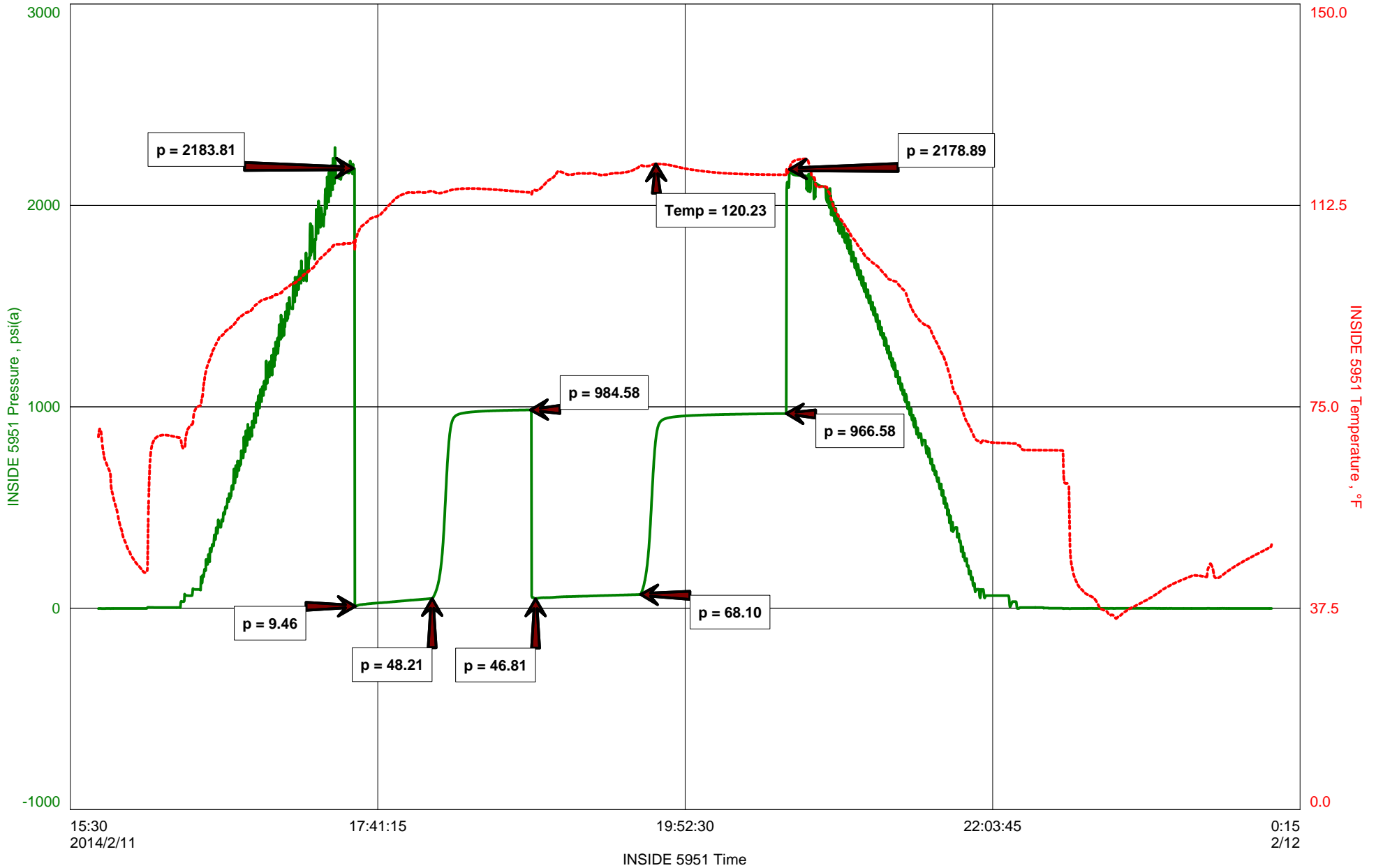
40' FREE OIL 100% OIL (.568 BBL OIL)  
 130' GCHMCO 10% GAS, 61% OIL, 29% MUD (.6835 BBL (~.417 BBL OIL))  
 -----  
 600' GAS IN PIPE  
 -----  
 TOTAL RECOVERED FLUID: 170' = 1.2515 BBL (~.985 BBL OIL)  
 -----  
 SAMPLE CHAMBER: SMCO, 93% OIL, 7% MUD @ 950 PSI  
 -----  
 BOTTOM-HOLE TEMP: 120 DEG F  
 -----  
 GRAVITY: 38.25 CORRECTED TO 60 DEG F

### PRESSURES:

IHP: 2184  
 IFP: 9-48  
 ISIP: 985  
 FFP: 47-68  
 FSIP: 967  
 FHP: 2179

THANKS!

# LCF #1-11





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: LCF1DST3

TIME ON: 3:42 pm  
TIME OFF: 12:03 am 2-12

Company FORESTAR PETROLEUM CORPORATION Lease & Well No. LCF #1-11  
Contractor WW DRLG. RIG #8 Charge to FORESTAR PETRO. CORP.  
Elevation 2794' KB Formation CHEROKEE-JOHNSON Effective Pay \_\_\_\_\_ Ft. Ticket No. F244  
Date 2-11-12 TUES Sec. 11 Twp. \_\_\_\_\_ 17 S Range \_\_\_\_\_ 29 W County LANE State KANSAS  
Test Approved By MAC ARMSTRONG Diamond Representative JAKE FAHRENBRUCH

Formation Test No. THREE Interval Tested from 4496 ft. to 4580 ft. Total Depth 4580 ft.  
Packer Depth 4490 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4496\*SHALE\* ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4470 ft. Recorder Number 5951 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4565 ft. Recorder Number 5584 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 48 (1# LCM) Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 6.0 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 2400 P.P.M. Drill Pipe Length 4334 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number \_\_\_\_\_ #5 (J&J, SAMPLER, SHALE PACKER) Test Tool Length 37 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 84 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>18"PERF(3"TOP,15"BTM)</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: FAIRLY STRONG BLOW, B.O.B. IN 18 MINUTES. BLOW-BACK @ .5"  
2nd Open: FAIRLY STRONG BLOW, B.O.B. IN 13 MINUTES. BLOW-BACK @ 3.5"

Recovered 40 ft. of FREE OIL 100% OIL (.568 BBL OIL)  
Recovered 130 ft. of GCHMCO 10 % GAS, 61% OIL, 29% MUD(.6835 BBL (~.417 BBL OIL))  
Recovered \_\_\_\_\_ ft. of SAMPLE CHAMBER: SMCO, 93% OIL, 7% MUD @ 950 PSI  
Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 170' = 1.2515 BBL (~.985 BBL OIL)

Recovered _____ ft. of <u>GRAVITY: 38.25 CORRECTED TO 60 DEG F</u>	Price Job
Recovered _____ ft. of <u>600' GAS IN PIPE</u>	TEST: \$1,225.00 Other Charges
Remarks: _____	JARS, SAFETY-JOINT, SAMPLE CHAMBER, SHALE PACKER: \$775.00 Insurance
	55 MILES ROUND TRIP FOR DST #3: \$77.00
	TOTAL FOR DST #3: \$2,077.00 Total

Time Set Packer(s) 5:32 PM A.M. P.M. Time Started Off Bottom 8:32 PM A.M. P.M. Maximum Temperature 120 DEG F

Initial Hydrostatic Pressure..... (A) 2184 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 48 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 985 P.S.I.  
Final Flow Period..... Minutes 45 (E) 47 P.S.I. to (F) 68 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 967 P.S.I.  
Final Hydrostatic Pressure..... (H) 2179 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.