



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1213869  
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: \_\_\_\_\_

1213869

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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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COPY

ALLIED OIL & GAS SERVICES, LLC 063202

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Dakley, KS

DATE <u>5-7-14</u>	SEC. <u>31</u>	TWP. <u>1</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>10:00 pm</u>	JOB START <u>11:30 pm</u>	JOB FINISH <u>12:00 am</u>
LEASE <u>K&amp;K</u>	WELL # <u>2-31</u>	LOCATION <u>Heindon-35w to 31.5</u>			COUNTY <u>Randolph</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>Let's go to 31, 54 E into</u>				

CONTRACTOR Excell 10 OWNER same.

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>220</u>
CASING SIZE <u>8 7/8</u>	DEPTH <u>218.07</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT

CEMENT AMOUNT ORDERED 300 SKS COM 3% CC  
2% gel

COMMON <u>250</u>	<u>SKS</u>	@ <u>17.90</u>	<u>4475.00</u>
POZMIX			<u>112.00</u>
GEL <u>5 1/2</u>	<u>SKS</u>	@ <u>23.40</u>	<u>128.70</u>
CHLORIDE <u>9 1/2</u>	<u>SKS</u>	@ <u>69.00</u>	<u>655.50</u>
ASC			<u>576.00</u>

EQUIPMENT

PUMP TRUCK # <u>431</u>	CEMENTER <u>Lokene E. About</u>		
BULK TRUCK # <u>071/310</u>	DRIVER <u>Ramiro Zavala (TDS)</u>		
BULK TRUCK #	DRIVER		

Handling 324.4 @ 2.48 = 804.51  
MILEAGE 1481 @ 1.95 = 2887.95

REMARKS:  
Mix 300 SKS cement  
Displace with water  
cement did circulate  
30.5 SKS to pit

Thank you

CHARGE TO: Forestar  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MANIFOLD <u>Swage</u>	@ <u>4.40</u>	<u>330.00</u>
MILEO <u>75</u>	@ <u>7.70</u>	<u>577.50</u>
TOTAL		<u>61387.21</u>

SERVICE

DEPTH OF JOB <u>218.07</u>		
PUMP TRUCK CHARGE	<u>1512.25</u>	
EXTRA FOOTAGE		
MILEAGE <u>MILP 75</u>	@ <u>7.70</u> = <u>577.50</u>	
MANIFOLD <u>Swage</u>	@ <u>4.40</u> = <u>330.00</u>	
MILEO <u>75</u>	@ <u>7.70</u> = <u>577.50</u>	
TOTAL		<u>61387.21</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_  
SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 11,555.21  
DISCOUNT 2079.93/18% IF PAID IN 30 DAYS  
9,475.27 NET

# COPY

# ALLIED OIL & GAS SERVICES, LLC 062074

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley's

DATE <u>5-15-14</u>	SEC <u>31</u>	TWP. <u>1</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>Team</u>	JOB START <u>10:00am</u>	JOB FINISH <u>3:30pm</u>
LEASE <u>K&amp;K</u>	WELL # <u>2-31</u>	LOCATION <u>Hamden to N to Rd 365 W</u>		COUNTY <u>Rawlins</u>	STATE <u>KS</u>		
OLD OR (NEW) (Circle one)		<u>to Rd 365 N SE into</u>					

CONTRACTOR <u>Excell #10</u>	OWNER <u>Sumc</u>
TYPE OF JOB	
HOLE SIZE <u>7 3/8</u>	T.D.
CASING SIZE <u>5 1/2</u>	DEPTH <u>4131</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>20.79</u>
CEMENT LEFT IN CSG. <u>20.79</u>	
PERFS.	
DISPLACEMENT <u>97.82</u>	

CEMENT	
AMOUNT ORDERED <u>140 sks lite 1/4 # Flo</u>	
<u>125 sks ASC 10% salt 2 1/2 Gal 5#</u>	
<u>Gilsonite</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC <u>125 sks</u>	@ <u>20.90</u> <u>2,612.50</u>
<u>Light 140 sks</u>	@ <u>16.50</u> <u>2,310.00</u>
<u>Flo seal 35 #</u>	@ <u>257</u> <u>10,395</u>
<u>Gilsonite 625 #</u>	@ <u>.79</u> <u>612.50</u>
<u>Material total</u>	@ <u></u> <u>36,389.50</u>
<u>(1015.00 / 18%)</u>	@ <u></u> <u></u>
HANDLING <u>302.88 cub</u>	@ <u>2.48</u> <u>763.54</u>
MILEAGE <u>12.01 ten km</u>	@ <u>2.00</u> <u>2,402.08</u>
TOTAL	


EQUIPMENT	
PUMP TRUCK # <u>422</u>	CEMENTER <u>Valon Jones</u>
BULK TRUCK # <u>431</u>	HELPER <u>Wayne M. Bishop</u>
BULK TRUCK # <u>818</u>	DRIVER <u>Juan #2 (twice)</u>
	DRIVER <u>Scott (twice)</u>

**REMARKS:**

mix 15 sks light H.H  
mix 15 sks light R.H  
mixed 110 sks of Light 1/4 16 Flo seal  
Charged by 125 sks ASC  
displaced water  
loaded plug @ 1200 psi

CHARGE TO: Forestar  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

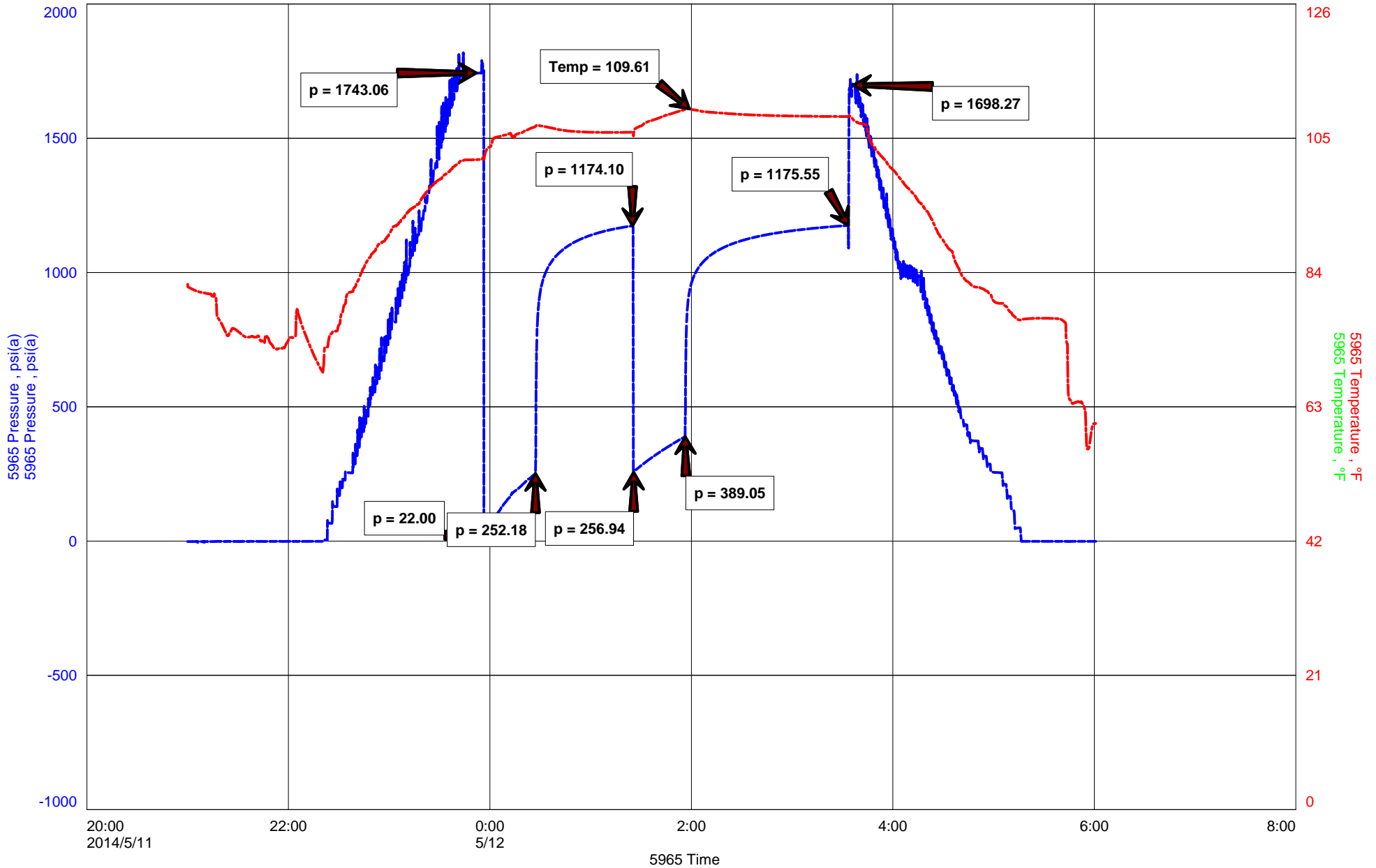
PRINTED NAME Larry Steinbeck  
 SIGNATURE 

SERVICE	
DEPTH OF JOB	<u>4131 ft</u>
PUMP TRUCK CHARGE	<u>2,765.75</u>
EXTRA FOOTAGE	@
MILEAGE <u>H.V. mi 80</u>	@ <u>7.70</u> <u>616.00</u>
MANIFOLD <u>Head</u>	@ <u>275.00</u>
<u>L.V. m. 80</u>	@ <u>4.40</u> <u>352.00</u>
TOTAL <u>7,478.37</u>	

PLUG & FLOAT EQUIPMENT	
<u>(5 1/2")</u>	
<u>AFU float shoe</u>	@ <u>545.00</u>
<u>latch down / w Plug</u>	@ <u>66.00</u>
<u>centralizers (9)</u>	@ <u>57.00</u> <u>513.00</u>
<u>basket (1)</u>	@ <u>395.00</u>
TOTAL <u>2,113.00</u>	

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 15,230.33  
 DISCOUNT 2,361.11 (18%) IF PAID IN 30 DAYS  
12,869.20 Net

# K&K 2-31





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Forestar Petro Corp	<b>Mike Morgan</b>	<b>Job Number</b>	W073
<b>Contact</b>		<b>K&amp;K 2-36</b>	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>		<b>DST 1 Oread/Lan A 3690-3840</b>	<b>Well Operator</b>	Excell 10
<b>Unique Well ID</b>		<b>31-1s-31w Rawlins/Kansas</b>	<b>Report Date</b>	2014/05/12
<b>Surface Location</b>		<b>Wildcat</b>	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>			<b>Qualified By</b>	Mike Morgan

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Oread/Lan A		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2014/05/11	<b>Start Test Time</b>	21:00:00
<b>Final Test Date</b>	2014/05/12	<b>Final Test Time</b>	06:06:00

## Test Recovery

**Recovery**      780' WCM With oil spots 45%W 55%M  
780' Total Fluid

**Tool Sample MCW** 20%M 80%W

**RW=48000ppm**



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: K&K 2-31 DST 1

TIME ON: 21:00  
 TIME OFF: 6:06

Company Forestar Petro Corp Lease & Well No. K&K 2-36  
 Contractor Excell 10 Charge to Forestar  
 Elevation 2876 KB Formation \_\_\_\_\_ Oread/Lan A Effective Pay \_\_\_\_\_ Ft. Ticket No. W073  
 Date 5-11-14 Sec. 31 Twp. \_\_\_\_\_ 1 S Range \_\_\_\_\_ 31 W County \_\_\_\_\_ Rawlins State KANSAS  
 Test Approved By Charlie Studavant Diamond Representative Wilbur Steinbeck

Formation Test No. 1 Interval Tested from 3690 ft. to 3840 ft. Total Depth 3840 ft.  
 Packer Depth 3685 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3690 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3684 ft. Recorder Number 5965 Cap. 5,000 P.S.I.  
 Bottom Recorder Depth (Outside) 3691 ft. Recorder Number 5446 Cap. 5,000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 300 ft. I.D. 2 1/4 in.  
 Weight 8.9 Water Loss 5.6 cc. Weight Pipe Length 240 ft. I.D. 2 7/8 in.  
 Chlorides 620 P.P.M. Drill Pipe Length 3117 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 07 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? Yes Reversed Out No Anchor Length 150 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 5 min No Return  
 2nd Open: BOB in 7 min No Return

Recovered 780 ft. of WCM With oil spots 45%W 55%M  
 Recovered 780 ft. of Total Fluid  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Shale Packer Used</u>	Access Charge
Tool Sample <u>MCW 20%M 80%W</u>	Total
RW= <u>48,000</u> ppm	

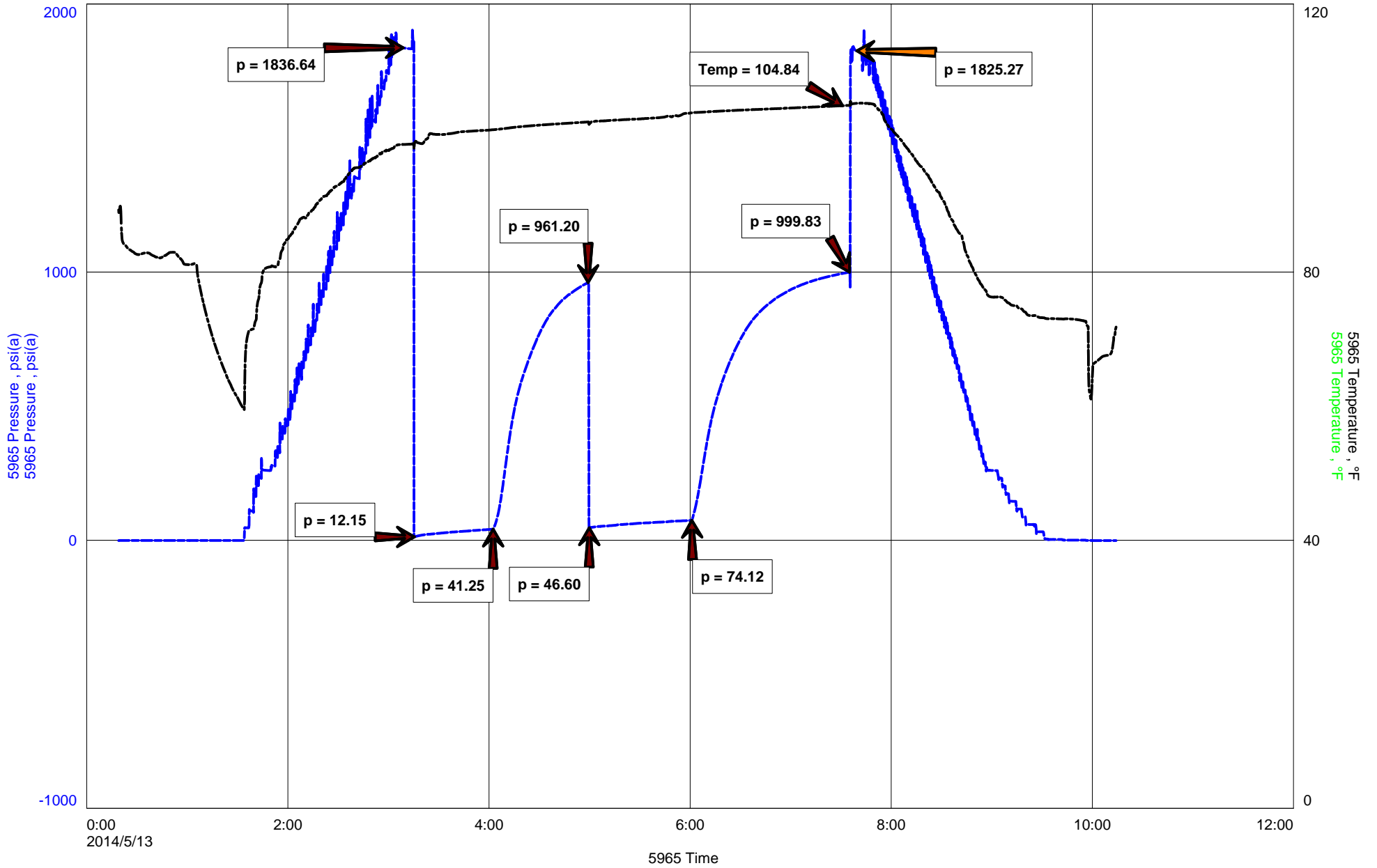
Time Set Packer(s) 00:00 A.M. P.M. Time Started Off Bottom 3:30 A.M. P.M. Maximum Temperature 110

Initial Hydrostatic Pressure..... (A) 1743 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 22 P.S.I. to (C) 252 P.S.I.  
 Initial Closed In Period..... Minutes 60 (D) 1174 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 257 P.S.I. to (F) 389 P.S.I.  
 Final Closed In Period..... Minutes 90 (G) 1176 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1698 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.



# K&K 2-31





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Forestar Petro Corp	<b>Mike Morgan</b>	<b>Job Number</b>	W074
<b>Contact</b>		<b>K&amp;K 2-36</b>	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>		<b>DST 2 Lan B,C &amp; D 3826-3970</b>	<b>Well Operator</b>	Excell 10
<b>Unique Well ID</b>		<b>31-1s-31w Rawlins/Kansas</b>	<b>Report Date</b>	2014/05/13
<b>Surface Location</b>		<b>Wildcat</b>	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>			<b>Qualified By</b>	Mike Morgan

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Lan B,C & D		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2014/05/13	<b>Start Test Time</b>	00:19:00
<b>Final Test Date</b>	2014/05/13	<b>Final Test Time</b>	10:15:00

## Test Recovery

**Recovery**      150' MCO 45%M 55%O  
                    150' Total Fluid

**Tool Sample MCO 30%M 70%O**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: K&K 2-31 DST 2

TIME ON: 00:19  
TIME OFF: 10:15

Company Forestar Petro Corp Lease & Well No. K&K 2-36  
Contractor Excell 10 Charge to Forestar  
Elevation 2876 KB Formation Lan B,C & D Effective Pay \_\_\_\_\_ Ft. Ticket No. W074  
Date 5-13-14 Sec. 31 Twp. 1 S Range 31 W County Rawlins State KANSAS  
Test Approved By Charlie Studavant Diamond Representative Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 3826 ft. to 3970 ft. Total Depth 3970 ft.  
Packer Depth 3821 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3826 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3812 ft. Recorder Number 5965 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3827 ft. Recorder Number 5446 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 300 ft. I.D. 2 1/4 in.  
Weight 9.0 Water Loss 6.4 cc. Weight Pipe Length 240 ft. I.D. 2 7/8 in.  
Chlorides 660 P.P.M. Drill Pipe Length 3253 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 07 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? Yes Reversed Out No Anchor Length 144 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Built to 7" No Return  
2nd Open: Built to 5" No Return

Recovered 150 ft. of MCO 45%M 55%O  
Recovered 150 ft. of Total Fluid  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

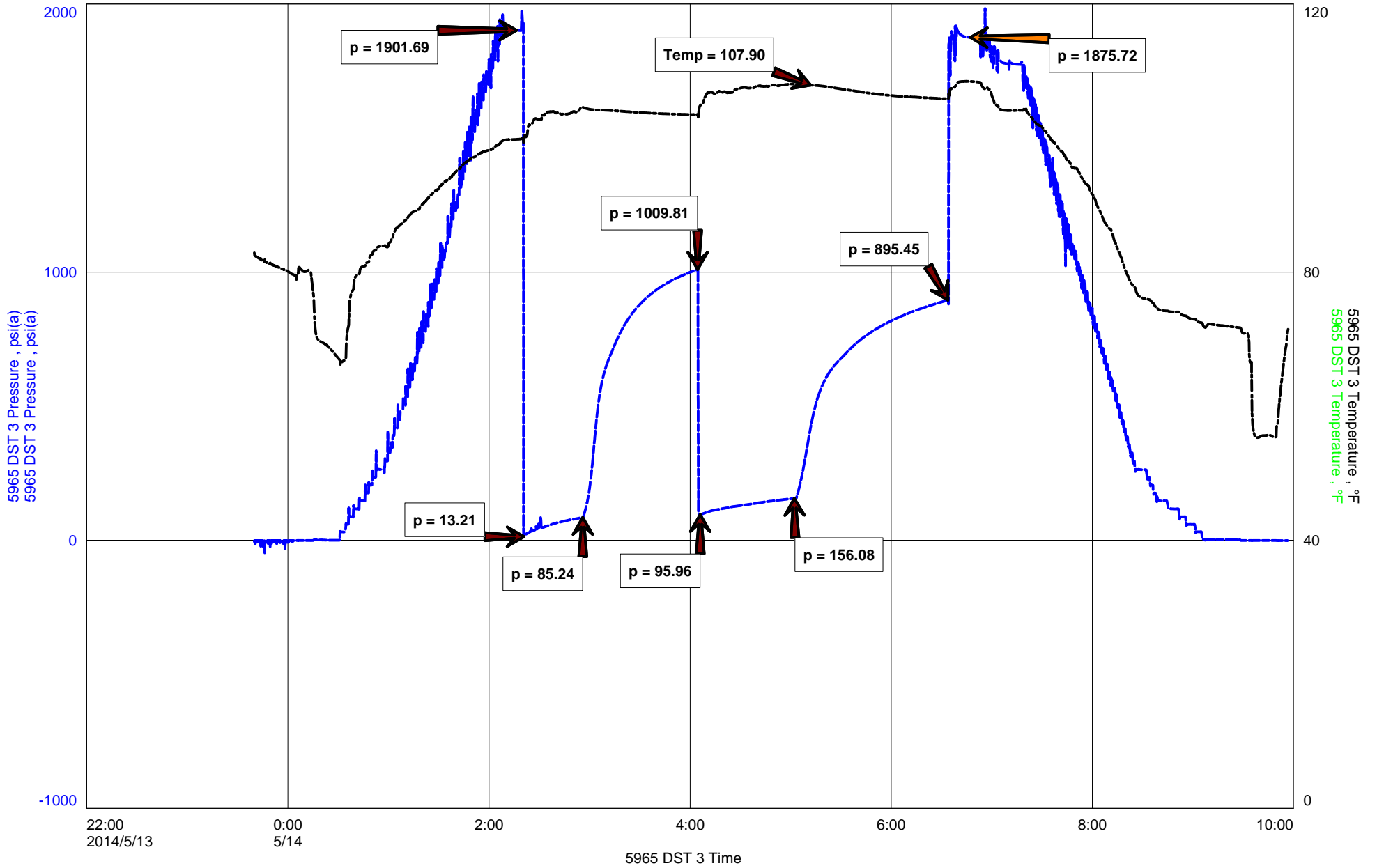
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Shale Packer Used</u>	Access Charge
Tool Sample <u>MCO 30%M 70%O</u>	Total

Time Set Packer(s) 3:15 A.M. P.M. Time Started Off Bottom 7:30 A.M. P.M. Maximum Temperature 105

Initial Hydrostatic Pressure..... (A) 1837 P.S.I.  
Initial Flow Period..... Minutes 45 (B) 12 P.S.I. to (C) 41 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 961 P.S.I.  
Final Flow Period..... Minutes 60 (E) 47 P.S.I. to (F) 74 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1000 P.S.I.  
Final Hydrostatic Pressure..... (H) 1825 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.

# K&K 2-31





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Forestar Petro Corp	<b>Job Number</b>	W075
<b>Contact</b>		<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>	K&K 2-36	<b>Well Operator</b>	Excell 10
<b>Unique Well ID</b>	DST 3 Lan E&F 3964-4080	<b>Report Date</b>	2014/05/13
<b>Surface Location</b>	31-1s-31w Rawlins/Kansas	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>	Wildcat	<b>Qualified By</b>	Mike Morgan

## Test Information

<b>Test Type</b>	Conventional
<b>Formation</b>	Lan E&F
<b>Well Fluid Type</b>	01 Oil
<b>Test Purpose (AEUB)</b>	Initial Test

<b>Start Test Date</b>	2014/05/13	<b>Start Test Time</b>	23:40:00
<b>Final Test Date</b>	2014/05/14	<b>Final Test Time</b>	09:58:00

## Test Recovery

**Recovery**      120' GMCO 10%G 45%M 45%O  
                     230' GMCO 30%G 35%M 35%O  
                     350' Total Fluid

**Tool Sample GMCO 20%G 30%M 50%O**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: K&K 2-31 DST 3

TIME ON: 23:40  
TIME OFF: 9:58

Company Forestar Petro Corp Lease & Well No. K&K 2-36  
Contractor Excell 10 Charge to Forestar  
Elevation 2876 KB Formation \_\_\_\_\_ Lan E&F Effective Pay \_\_\_\_\_ Ft. Ticket No. W075  
Date 5-13-14 Sec. 31 Twp. \_\_\_\_\_ 1 S Range \_\_\_\_\_ 31 W County \_\_\_\_\_ Rawlins State KANSAS  
Test Approved By Charlie Studavant Diamond Representative Wilbur Steinbeck

Formation Test No. 3 Interval Tested from 3964 ft. to 4080 ft. Total Depth 4080 ft.  
Packer Depth 3959 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3964 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3950 ft. Recorder Number 5965 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3965 ft. Recorder Number 5446 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 300 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 240 ft. I.D. 2 7/8 in.  
Chlorides 500 P.P.M. Drill Pipe Length 3391 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 07 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? Yes Reversed Out No Anchor Length 116 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 45 min Built to 2"  
2nd Open: BOB in 50 min No Return

Recovered 120 ft. of GMCO 10%G 45%M 45%O  
Recovered 230 ft. of GMCO 30%G 35%M 35%O  
Recovered 350 ft. of Total Fluid

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	95 RT Miles
Remarks: <u>Shale Packer Used</u>	Access Charge
Tool Sample <u>GMCO 20%G 30%M 50%O</u>	Insurance
	Total

Time Set Packer(s) 2:20 A.M. P.M. Time Started Off Bottom 6:35 A.M. P.M. Maximum Temperature 108

Initial Hydrostatic Pressure..... (A) 1902 P.S.I.  
Initial Flow Period..... Minutes 45 (B) 13 P.S.I. to (C) 85 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1010 P.S.I.  
Final Flow Period..... Minutes 60 (E) 96 P.S.I. to (F) 156 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 895 P.S.I.  
Final Hydrostatic Pressure..... (H) 1876 P.S.I.

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