

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1252051  
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: \_\_\_\_\_

1252051

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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Charles 1-16
Doc ID	1252051

All Electric Logs Run

COMPUTER PROCESSED INTERP
DUAL INDUCTION
DUAL COMPENSATED POROSITY
MICRORESISTIVITY

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Charles 1-16
Doc ID	1252051

Tops

Name	Top	Datum
ANHYDRITE	937	+1017
BASE ANHYDRITE	970	+984
TOPEKA	2876	-922
HEEBNER	3108	-1154
TORONTO	3124	-1170
LANSING	3176	-1222
MUNCIE CREEK	3310	-1356
BASE KC	3394	-1440
ARBUCKLE	3423	-1469
RTD	3490	-1536





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil  
 Po Box 8050  
 Edmond Ok 73083  
 ATTN: Kitt Noah

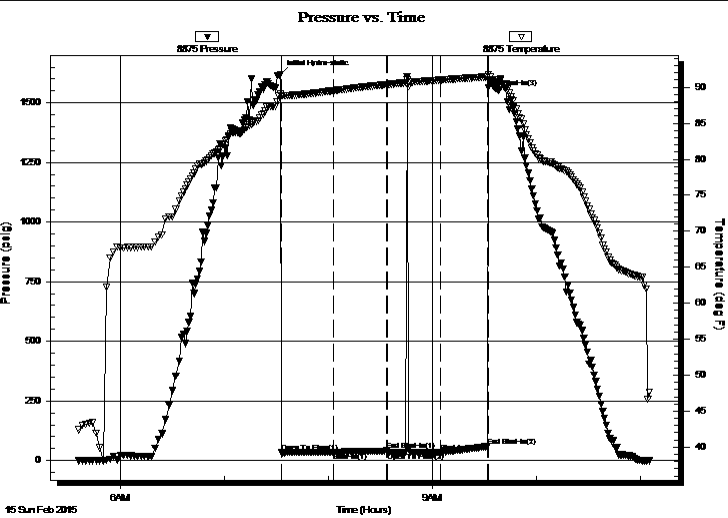
**16-16s-14w-Barton**  
**Charles 1-16**  
 Job Ticket: 62117 **DST#: 1**  
 Test Start: 2015.02.15 @ 05:35:00

## GENERAL INFORMATION:

Formation: **Lansing E-F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:33:00  
 Time Test Ended: 11:06:00  
 Interval: **3239.00 ft (KB) To 3272.00 ft (KB) (TVD)**  
 Total Depth: 3272.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 59-Great Bend-50  
 Reference Elevations: 1954.00 ft (KB)  
 1945.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8875 Inside**  
 Press @ Run Depth: 35.09 psig @ 3264.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2015.02.15 End Date: 2015.02.15 Last Calib.: 2015.02.16  
 Start Time: 05:36:00 End Time: 11:06:00 Time On Btm: 2015.02.15 @ 07:32:30  
 Time Off Btm:

**TEST COMMENT:** 1st Open 30 min Very weak surface blow.  
 1st Shut in 30 min No blow back.  
 2nd Open 30 min Dead-Flushed tool weak blow died off.  
 2nd Shut in 30 min No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.14	89.08	Initial Hydro-static
1	32.81	88.83	Open To Flow (1)
31	33.75	89.53	Shut-In(1)
61	41.58	90.38	End Shut-In(1)
62	33.93	90.39	Open To Flow (2)
92	35.09	91.00	Shut-In(2)
120	59.16	91.44	End Shut-In(2)
120	1565.03	91.79	End Shut-In(3)

Recovery		
Length (ft)	Description	Volume (bbl)
12.00	Mud 100%	0.17

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil  
Po Box 8050  
Edmond Ok 73083  
ATTN: Kitt Noah

**16-16s-14w-Barton**  
**Charles 1-16**  
Job Ticket: 62117      **DST#: 1**  
Test Start: 2015.02.15 @ 05:35:00

## Mud and Cushion Information

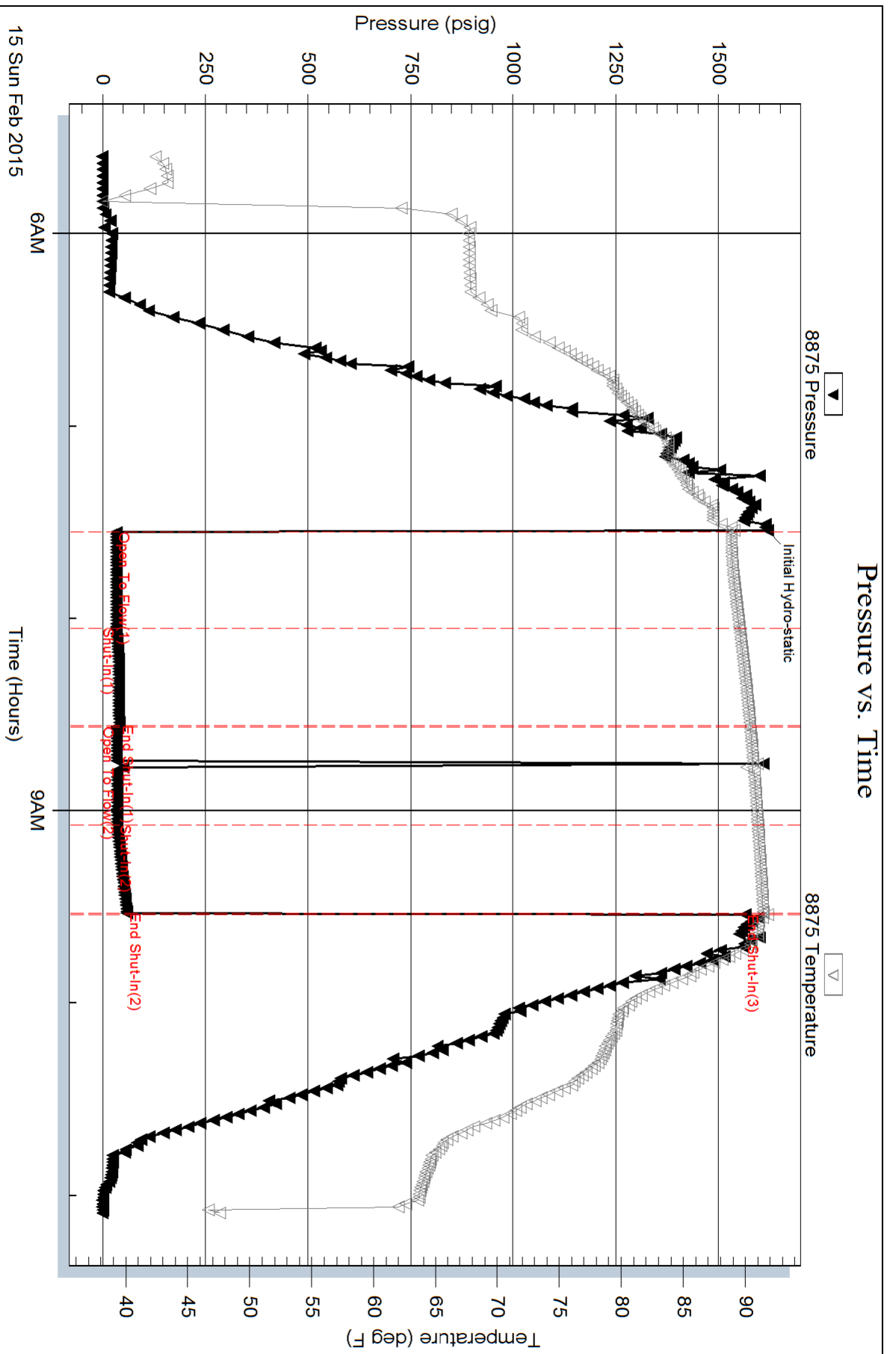
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	Mud 100%	0.168

Total Length: 12.00 ft      Total Volume: 0.168 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Russell Oil  
Po Box 8050  
Edmond Ok 73083  
ATTN: Kitt Noah

**16-16s-14w-Barton**  
**Charles 1-16**  
Job Ticket: 62118      **DST#: 2**  
Test Start: 2015.02.16 @ 10:01:00

### Mud and Cushion Information

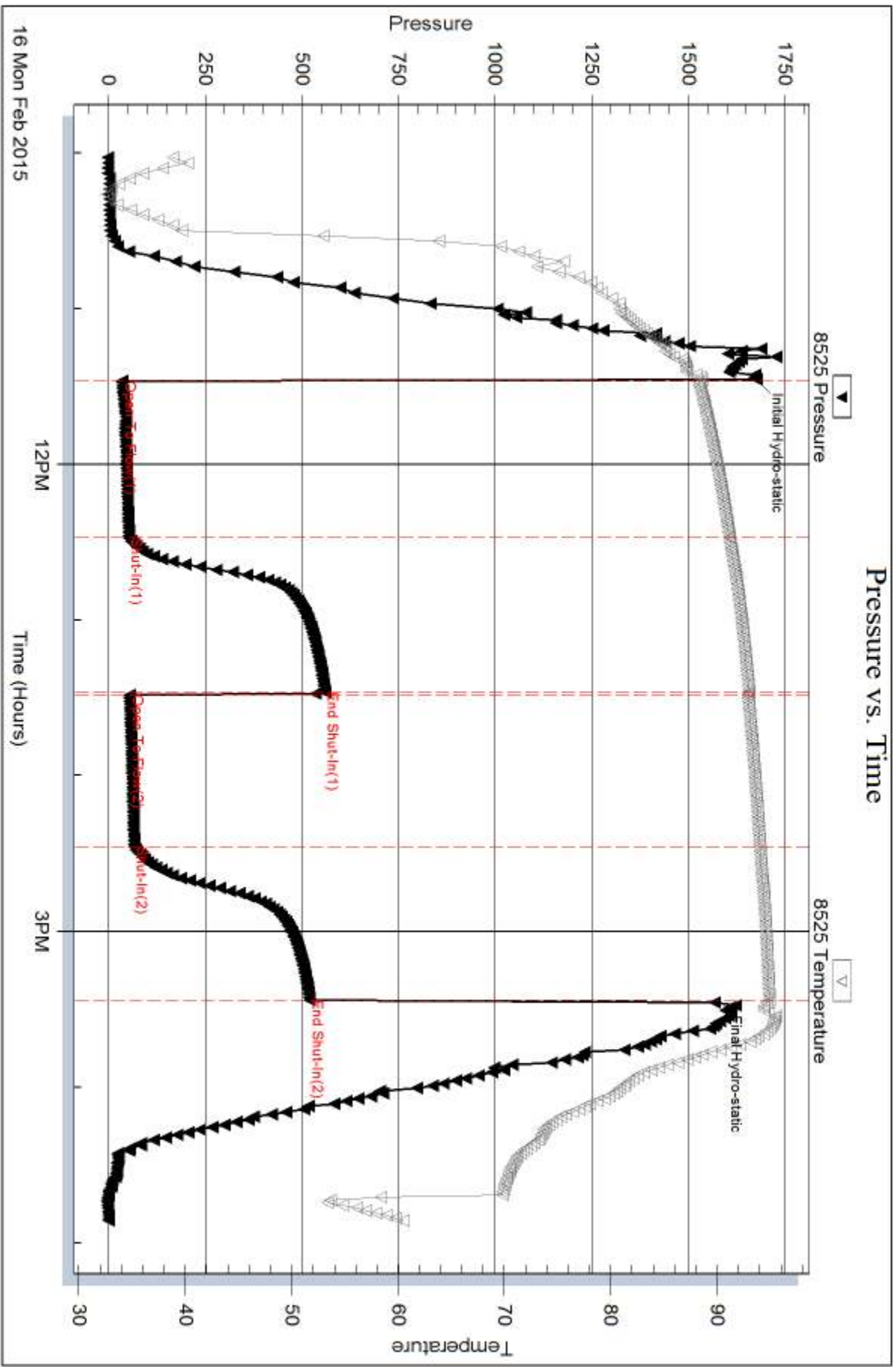
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7800.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Clean oil 100%	0.028
138.00	Oil cut mud 99%Mud 1%Oil	1.936

Total Length: 140.00 ft      Total Volume: 1.964 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil  
Po Box 8050  
Edmond Ok 73083  
ATTN: Kitt Noah

**16-16s-14w-Barton**  
**Charles 1-16**  
Job Ticket: 62119      **DST#: 3**  
Test Start: 2015.02.17 @ 02:31:00

## Mud and Cushion Information

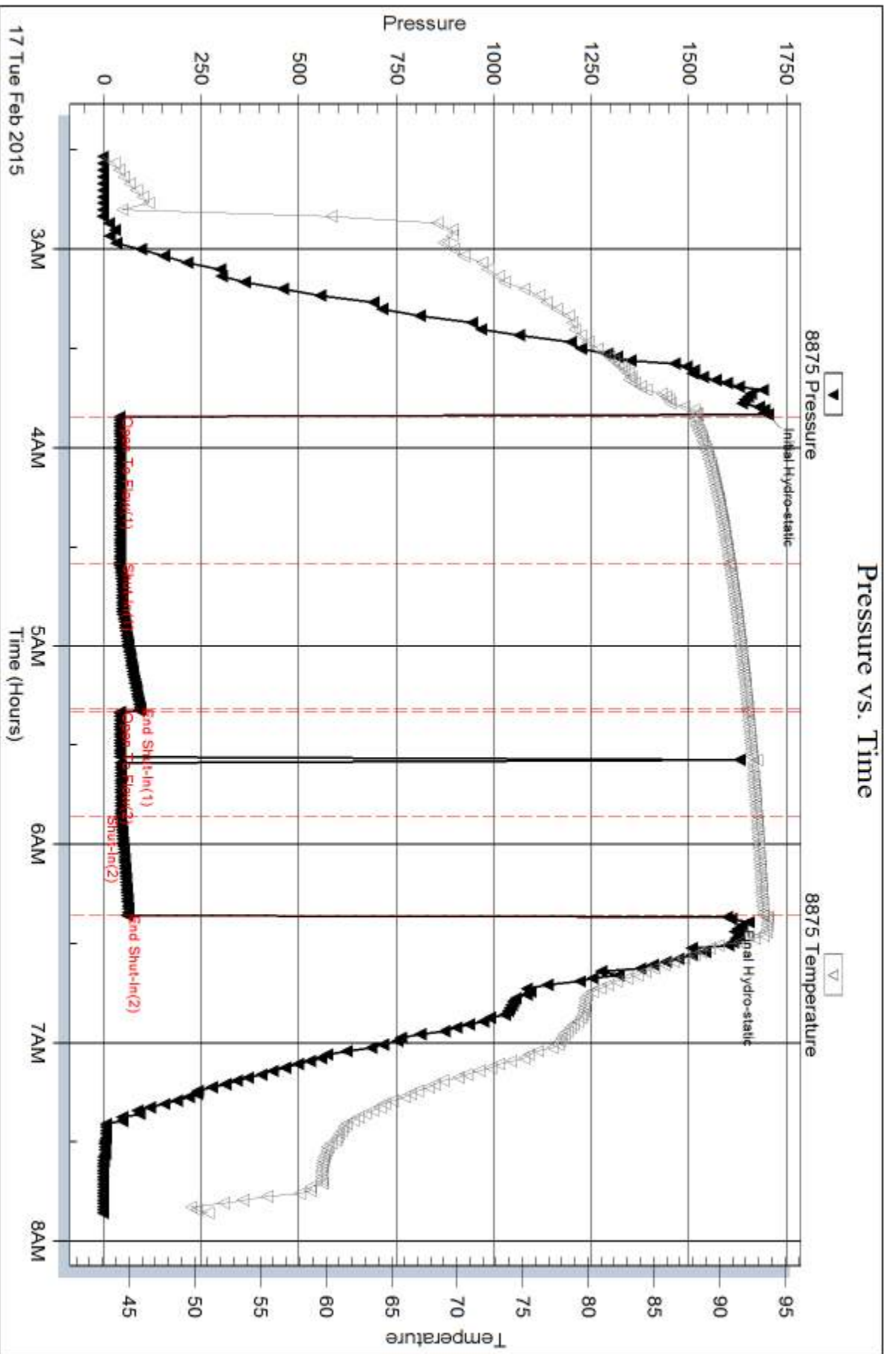
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100%	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil  
 Po Box 8050  
 Edmond Ok 73083  
 ATTN: Kitt Noah

**16-16s-14w-Barton**  
**Charles 1-16**  
 Job Ticket: 62120 **DST#: 4**  
 Test Start: 2015.02.17 @ 03:56:00

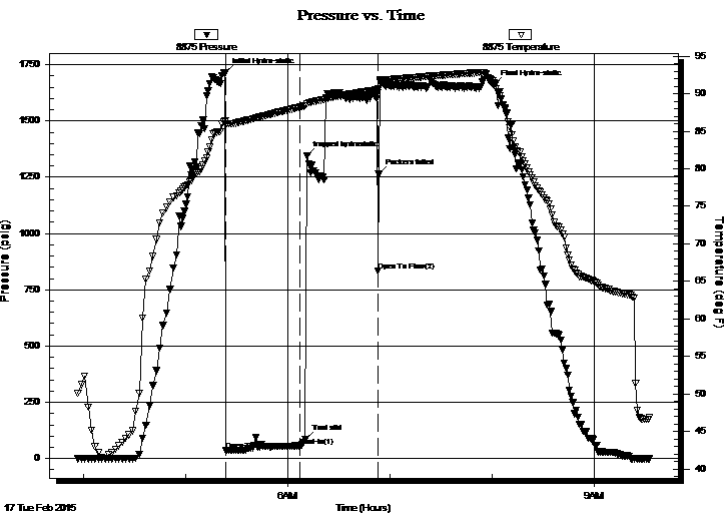
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 05:24:00 Tester: Dustin Ellis  
 Time Test Ended: 09:33:00 Unit No: 59-Great Bend-50  
 Interval: **3397.00 ft (KB) To 3440.00 ft (KB) (TVD)** Reference Elevations: 1954.00 ft (KB)  
 Total Depth: 3440.00 ft (KB) (TVD) 1945.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

## Serial #: 8875 Outside

Press@RunDepth: psig @ 3435.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2015.02.17 End Date: 2015.02.17 Last Calib.: 2015.02.17  
 Start Time: 03:57:00 End Time: 09:33:00 Time On Btm: 2015.02.17 @ 05:23:30  
 Time Off Btm: 2015.02.17 @ 08:01:30

TEST COMMENT: 1st Open 45 min Weak building blow built to 1 inch.  
 1st Shut in 45 min No blow back  
 2nd Open 30 min Dead  
 2nd Shut in 30 min No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.69	86.32	Initial Hydro-static
1	36.77	85.87	Open To Flow (1)
44	56.41	88.21	Shut-In(1)
47	85.33	88.38	Tool slid
48	1345.08	88.70	trapped hydrostatic
90	834.38	90.10	Open To Flow (2)
90	1263.67	90.71	Packers failed
158	1661.01	91.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	Oil cut mud 98%Mud 2%Oil	0.88
141.00	Slightly oil cut mud 100% mud	1.98

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil  
Po Box 8050  
Edmond Ok 73083  
ATTN: Kitt Noah

**16-16s-14w-Barton**  
**Charles 1-16**  
Job Ticket: 62120      **DST#: 4**  
Test Start: 2015.02.17 @ 03:56:00

## 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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 91.90 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7800.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Oil cut mud 98%Mud 2%Oil	0.884
141.00	Slightly oil cut mud 100% mud	1.978

Total Length: 204.00 ft      Total Volume: 2.862 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

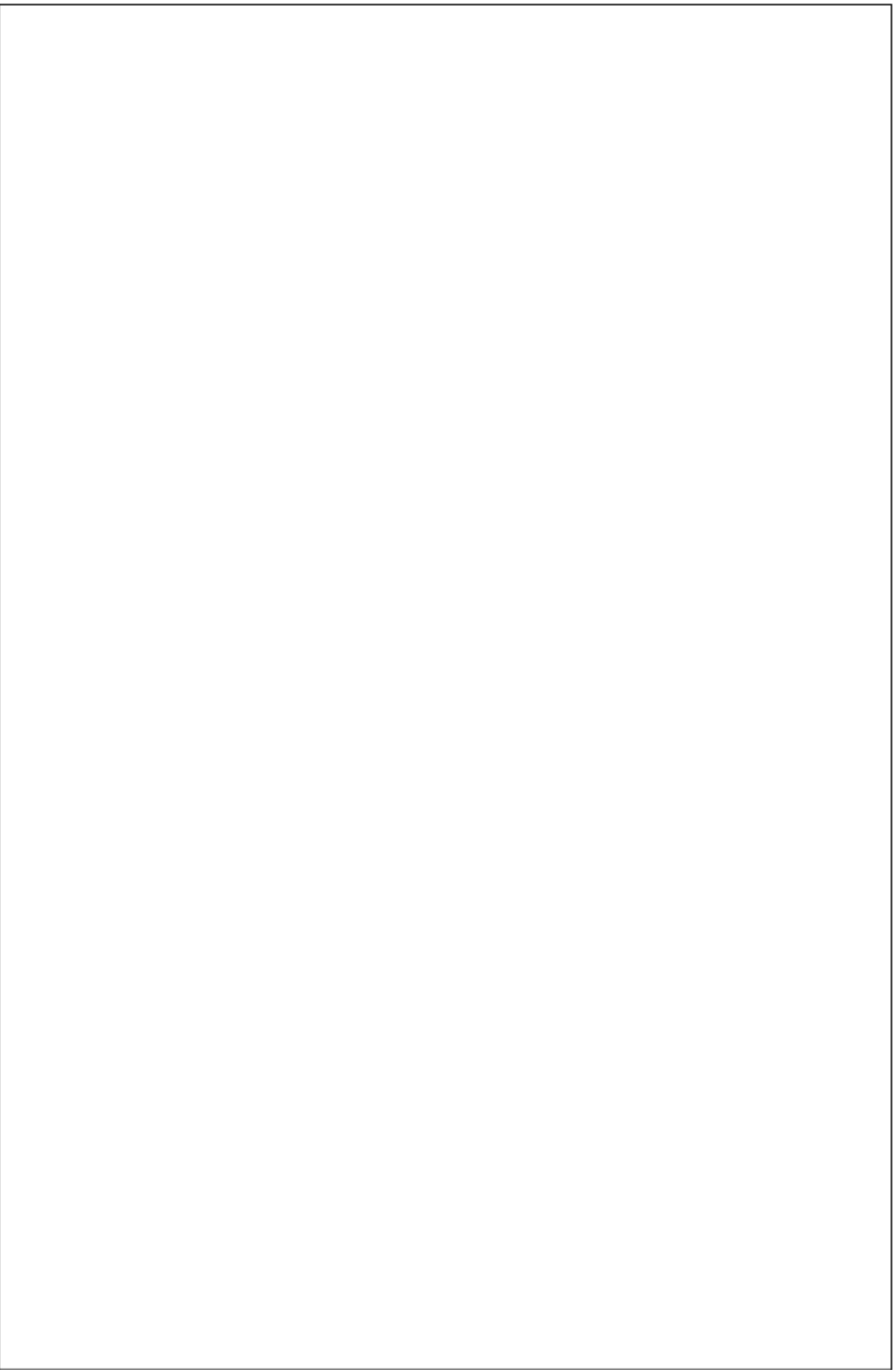


Serial #: 8875

Outside Russell Oil

Charles 1-16

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 62120

Printed: 2015.02.17 @ 22:19:41

# KITT NOAH

PETROLEUM GEOLOGIST  
Kansas License #229



## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

ELEVATION: **KB 1954**  
GL: **1945**  
MEASURED FROM: **KB**

#15-009-26.074

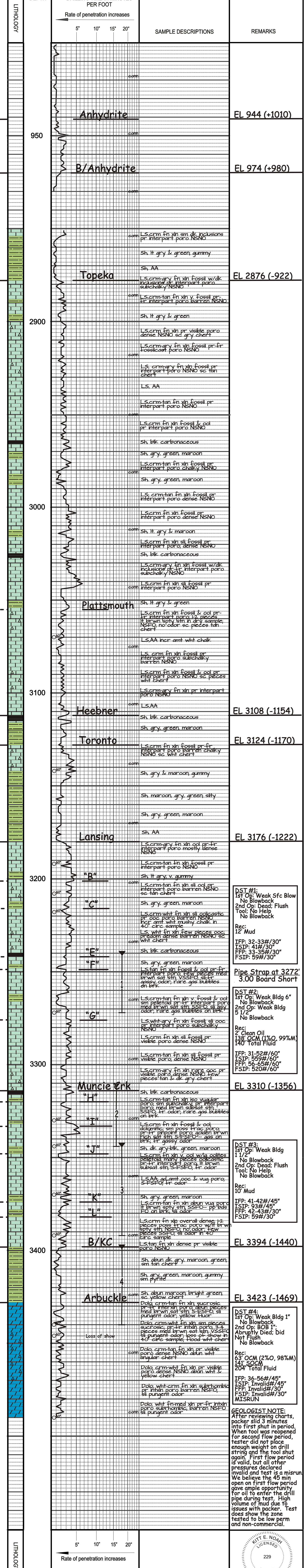
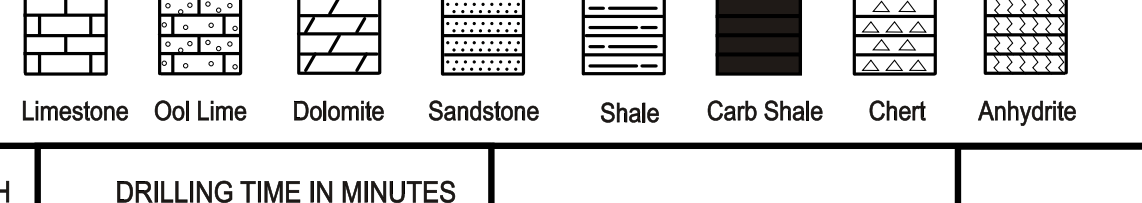
OPERATOR: **Russell Oil, Inc.**  
LEASE: **Charles** WELL NO: **#1-16**  
LOCATION: **330FN & 1100FW**  
SEC: **16** TWP: **16S** RNG: **14W**  
COUNTY: **Barton** STATE: **Kansas**

CASING RECORD:  
SURFACE: **8 5/8" set at 412 w/200 sk.**  
PRODUCTION: **D&A**  
DV TOOL: \_\_\_\_\_

FORMATION	TOP DATUM
Anhydrite	944 (+1010)
B/Anhydrite	974 (+980)
Lopeka	2876 (-922)
Heebner	3108 (-1154)
Toronto	3124 (-1170)
Lansing	3176 (-1222)
Muncie Creek	3310 (-1356)
B/KC	3394 (-1440)
Arbuckle	3423 (-1469)
RTD	3490 (-1536)
LTD	3484 (-1530)

CONTRACTOR: **Southwind Rig #2**  
COMM: **2-11-2014** COMPT: **2-18-2014**  
RTD: **3490** LTD: **3488**  
SAMPLER: **2880 to TD**  
DRILLING TIME SAVED FROM: **2880 to TD**  
SAMPLES EXAMINED FROM: **2880 to TD**  
GEOLOGICAL SUPERVISION FROM: **2960 to TD**  
MUD UP: **2800** MUD TYPE: **chemical**  
MUDCO: **Rick Hughes**  
DRILL STEM TESTS TAKEN: **4**  
Tribofile: **Dustin Ellis**  
SURVEYS: **Pioneer Energy Services**  
Dual Compensated Porosity  
Microlog

### LEGEND



DST #1:  
1st Op: Weak Sfc Blow  
No Blowback  
2nd Op: Dead; Flush  
Tool: No Help  
No Blowback

Rec:  
12' Mud

IFP: 32-33#/30"  
ISIP: 41#/30"  
FFP: 33-35#/30"  
FSIP: 59#/30"

Pipe Strap at 3272' 3.00 Board Short

DST #2:  
1st Op: Weak Bldg 6"  
No Blowback  
2nd Op: Weak Bldg 5 1/2"  
No Blowback

Rec:  
2' Clean Oil  
138' OCM (1%O, 99%M)  
140' Total Fluid

IFP: 31-52#/60"  
ISIP: 559#/60"  
FFP: 56-65#/60"  
FSIP: 520#/60"

**EL 3310 (-1356)**

DST #3:  
1st Op: Weak Bldg 1 1/2"  
No Blowback  
2nd Op: Dead; Flush  
Tool: No Help  
No Blowback

Rec:  
10' Mud

IFP: 41-42#/45"  
ISIP: 93#/45"  
FFP: 42-43#/30"  
FSIP: 59#/30"

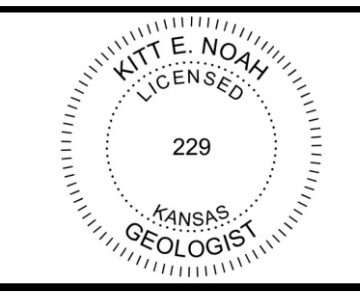
**EL 3394 (-1440)**

DST #4:  
1st Op: Weak Bldg 1"  
No Blowback  
2nd Op: BOB 1"; Abruptly Died; Did Not Flush  
No Blowback

Rec:  
63' OCM (2%O, 98%M)  
141' SOCM  
140' Total Fluid

IFP: 36-56#/45"  
ISIP: Invalid#/45"  
FFP: Invalid#/30"  
FSIP: Invalid#/30"  
MISRUN

**GEOLOGIST NOTE:**  
After reviewing charts, packer shut 3 minutes into first shut in period, When tool was reopened for second flow period, tester did not place enough weight on drill string and the tool shut again. First flow period is valid, but all other pressures declared invalid and test is a misrun. We believe the 45 min open on first flow period gave ample opportunity for oil to enter the drill pipe during test. High volume of mud due to issues with packer. Test does show the zone tested to be low perm and non-commercial.



ELEVATION: **KB 1954**

OPERATOR: **Russell Oil, Inc.** LOCATION: **330FN & 1100FW**  
LEASE: **Charles** WELL NO: **#1-16** SEC: **16** TWP: **16S** RNG: **14W**  
API: **15-009-26.074** FIELD: **Deines** COUNTY: **Barton** STATE: **Kansas**

# ALLIED OIL & GAS SERVICES, LLC 055654

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell

DATE <u>2-18-15</u>	SEC. <u>16</u>	TWP. <u>16</u>	RANGE <u>14</u>	CALLED OUT <u>1100 AM</u>	ON LOCATION <u>1300 PM</u>	JOB START <u>600 PM</u>	JOB FINISH <u>700 PM</u>
LEASER <u>Charles</u>		WELL # <u>1-15</u>		LOCATION <u>South Russell To C.L.</u>		COUNTY <u>Barton</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one)			<u>2-S, 1 1/2 W.</u>				

CONTRACTOR South wind #2  
 TYPE OF JOB PTA New well  
 HOLE SIZE 7 7/8 T.D. \_\_\_\_\_  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 3460  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Allen Werth  
 # 409 HELPER Nathan Dower  
 BULK TRUCK # 473-187  
 # \_\_\_\_\_ DRIVER Tracy Jordan  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 255 SKS  
60/40 Poz. 4% gel 1/4 Cell Flake  
255 SKS  
 COMMON 60/40 4% @ 18.92 \$ 4824.60  
 POZMIX @ \_\_\_\_\_  
 GEL @ \_\_\_\_\_  
 CHLORIDE @ \_\_\_\_\_  
 ASC @ \_\_\_\_\_  
F/2 seal #64 @ 2.97 \$ 190.08  
 HANDLING 255 SKS @ 2.48 \$ 632.40  
 MILEAGE 11.5 TM @ 2.25 \$ 453.25  
 TOTAL \$ 6100.8

**SERVICE**

DEPTH OF JOB 3400'  
 PUMP TRUCK CHARGE \$ 2600.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 30 mi @ 7.70 \$ 231.00  
 MANIFOLD @ \_\_\_\_\_  
15 mi. LV @ 14.40 \$ 66.00

TOTAL \$ 2897.4

**PLUG & FLOAT EQUIPMENT**

8 5/8 wooden Plug @ 110.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL \$ 110.00

REMARKS:  
Plugging order - 9996  
See Job Summary.  
1st Plug 3400' - 50 SKS  
2nd Plug 960' - 50 SKS  
3rd Plug 500' - 100 SKS  
4th Plug 40' - 10 SKS  
Bot Hole - 30 SKS  
mouse Hole 15 SKS  
255 SKS

CHARGE TO: Russell D.L.  
 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 William J. Jones

SIGNATURE William J. Jones

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \$ 9108.30  
 DISCOUNT 3643.32 IF PAID IN 30 DAYS

# 546498

# ALLIED OIL & GAS SERVICES, LLC 055634

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE <u>2-11-15</u>	SEC <u>16</u>	TWP <u>16</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30</u>	JOB FINISH <u>4:30</u>
LEASE <u>Chayla</u>	WELL # <u>1-15</u>	LOCATION <u>Barton Co. h.o (281)</u>			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)				<u>1 1/2" w. Sol. + 2" into</u>			

CONTRACTOR Southwind Drilling - OWNER  
 TYPE OF JOB Drilling  
 HOLE SIZE 12 1/4 T.D.  
 CASING SIZE 8 1/2 DEPTH 412  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 15'  
 CEMENT LEFT IN CSG. 15'  
 PERFS.  
 DISPLACEMENT 26 24" 120

CEMENT AMOUNT ORDERED 200 slc con  
31. cc + 27. gel

COMMON <u>200 sl</u>	@ <u>17.9</u>	<u>\$3580.00</u>
POZMIX	@	
GEL <u>376 lb</u>	@ <u>1.50</u>	<u>\$564.00</u>
CHLORIDE <u>564 lb</u>	@ <u>1.10</u>	<u>\$620.40</u>
ASC	@	
HANDLING <u>200 sl fl</u>	@ <u>2.47</u>	<u>\$494.00</u>
MILEAGE <u>141 sl 7/m</u>	@ <u>2.75</u>	<u>\$387.75</u>
<b>TOTAL</b>		<b><u>\$5272.15</u></b>

**EQUIPMENT**

PUMP TRUCK CEMENTER John Pinner  
 # 417 HELPER Jerry S  
 BULK TRUCK DRIVER Ben B  
 BULK TRUCK DRIVER

**REMARKS:**

See Cementing Job log,

CHARGE TO: Russell Dil  
 STREET  
 CITY STATE ZIP

**SERVICE**

DEPTH OF JOB	<u>412'</u>	
PUMP TRUCK CHARGE		<u>\$1512.25</u>
EXTRA FOOTAGE	@	
MILEAGE <u>Acct 30</u>	@ <u>7.7</u>	<u>\$231.00</u>
MANIFOLD <u>h.o 15</u>	@ <u>4.4</u>	<u>\$165.00</u>
<u>1x Plug Container</u>	@	<u>\$275.00</u>
<b>TOTAL</b>		<b><u>\$2084.25</u></b>

**PLUG & FLOAT EQUIPMENT**

<u>1x 8" x 8" wooden Plug</u>	@	<u>\$110.00</u>
	@	
	@	
	@	
	@	
<b>TOTAL</b>		<b><u>\$110.00</u></b>

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.

SALES TAX (If Any)  
 TOTAL CHARGES \$7,466.40  
 DISCOUNT \$3,359.88 IF PAID IN 30 DAYS

PRINTED NAME William Sanders  
 SIGNATURE William Sanders