



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1188411  
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: \_\_\_\_\_

1188411

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: <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	Russell Oil, Inc.
Well Name	Carson-Edwards Unit 1
Doc ID	1188411

All Electric Logs Run

COMPUTER PROCESSED INTERPRETATION
DUAL INDUCTION
DUAL COMPENSATED POROSITY
MICRORESISTIVITY
SONIC BOND

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Carson-Edwards Unit 1
Doc ID	1188411

Tops

Name	Top	Datum
ANHYDRITE	2474	+676
BASE ANHYDRITE	2492	+658
TOPEKA	NC	NC
HEEBNER	3987	-837
TORONTO	4004	-854
LANSING	4034	-884
MUNCIE CREEK	4212	-1068
STARK SHALE	4316	-1166
BASE KC	4401	-1251
MARMATON	4450	-1300
PAWNEE	4534	-1384
FT SCOTT	4584	-1434
CHEROKEE SHALE	4612	-1462
JOHNSON	4672	-1522
MISSISSIPPI	4814	-1664
LTD	4875	-1725
RTD	4870	-1720





# ALLIED OIL & GAS SERVICES, LLC 061415

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTH LAKE, TEXAS 76092

SERVICE POINT:  
Coleby

DATE <u>11-12-13</u>	SEC. <u>6</u>	TWP. <u>16S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00 AM</u>	JOB FINISH <u>11:00 AM</u>
Carson Edu. #10 LEASE <u>4.917</u>		WELL # <u>1</u>		LOCATION <u>Pence W to County Line</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>
OLD OR (NEW) (Circle one) <u>NEW</u>				<u>2 1/4 N E. 70</u>			

CONTRACTOR <u>H2 #1</u>	OWNER <u>same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8</u> T.D. <u>4850</u>	CEMENT
CASING SIZE _____ DEPTH _____	AMOUNT ORDERED <u>300 sks 60/40 40 gel</u>
TUBING SIZE _____ DEPTH _____	<u>1/4" Flu-seal</u>
DRILL PIPE <u>4 1/2</u> DEPTH <u>2490</u>	
TOOL _____ DEPTH _____	
PRES. MAX _____ MINIMUM _____	COMMON <u>180 sks @ 17.90 3222.00</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>120 sks @ 9.25 1123.00</u>
CEMENT LEFT IN CSG. _____	GEL <u>10 sks @ 23.40 234.00</u>
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT _____	ASC _____ @ _____

EQUIPMENT	
PUMP TRUCK CEMENTER <u>Andrew Johnson</u>	<u>Flu-seal 25" @ 21.97 222.25</u>
# <u>323-281</u> HELPER <u>Kevin Ryan</u>	
BULK TRUCK	
# <u>818</u> DRIVER <u>Mike McKim</u>	
BULK TRUCK	
# _____ DRIVER _____	
	HANDLING <u>3221.2 cu/ft @ 2.48 799.05</u>
	MILEAGE <u>260 @ 13.45 3507.00</u>
	TOTAL <u>2318.30</u>

REMARKS:

50 sks @ 2490'

80 sks @ 1650'

50 sks @ 840'

50 sks @ 320'

20 sks @ 10'

20 sks mouse hole

30 sks Ret hole

*Thank you*

CHARGE TO: Russell Oil Co

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE	
DEPTH OF JOB <u>2490'</u>	
PUMP TRUCK CHARGE _____	<u>2483.59</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>50 miles @ 7.70</u>	<u>385.00</u>
MANIFOLD _____ @ _____	
<u>Light vehicle @ 4.40</u>	<u>220.00</u>
	TOTAL <u>3088.59</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 Joel G. Felder

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 10,436.89

DISCOUNT 2,400.48 IF PAID IN 30 DAYS

8,036.40 Net

# ALLIED OIL & GAS SERVICES, LLC 061408

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley

DATE <u>11-3-13</u>	SEC <u>1e</u>	TWP <u>16s</u>	RANGE <u>34w</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 AM</u>	JOB FINISH <u>4:30 AM</u>
LEASE <u>Carson Edwards</u>	WELL # <u>1</u>	LOCATION <u>Pence W to county line</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>2 1/4 N E into</u>			

CONTRACTOR H2 #1 OWNER same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 311' CEMENT

CASING SIZE 8 3/8 DEPTH 309' AMOUNT ORDERED 195 sks com 3% CC

TUBING SIZE \_\_\_\_\_ DEPTH 2% GEL

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_ COMMON 195 sks @ 12.90 3490.50

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_ POZMIX \_\_\_\_\_ @ \_\_\_\_\_

CEMENT LEFT IN CSG 15' GEL 4 sks @ 23.40 93.60

PERFS. \_\_\_\_\_ CHLORIDE 7 sks @ 64.00 448.00

DISPLACEMENT 18.22 BBL ASC \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Andrew Forslund

# 373-281 HELPER Kevin Ryan

BULK TRUCK \_\_\_\_\_

# 818 DRIVER a Lex (TWS)

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING <u>210 sks @ 12.90</u>	<u>2,708.10</u>	<u>522.93</u>
MILEAGE <u>2.60 per mile @ 9.62 per mile</u>	<u>25.03</u>	<u>1750.60</u>
TOTAL	<u>5805.63</u>	

**REMARKS:**

Cement did circulate.

*Thank you*

CHARGE TO: Russell oil co

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB 309'

PUMP TRUCK CHARGE 1,512.25

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 50 miles @ 2.70 135.00

MANIFOLD head @ 225.00

light vehicle @ 4.40 220.00

TOTAL 2,392.25

**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 Rose Carlos Fabela

SIGNATURE Rose Carlos Fabela

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 8,197.88

DISCOUNT 1,885.51 IF PAID IN 30 DAYS

6,312.36 Net.



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**6-16s -34w Scott, Ks**

p.o. box8050  
Edmond, Ok  
73083  
ATTN: Kitt Noah

**Carson Edwards #1**

Job Ticket: 54659 **DST#: 1**  
Test Start: 2013.11.08 @ 19:05:20

## GENERAL INFORMATION:

Formation: **Marmaton A**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 21:40:20

Time Test Ended: 01:35:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

**Interval: 4466.00 ft (KB) To 4473.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4473.00 ft (KB) (TVD)

3139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

## Serial #: 6771

Press @RunDepth: 60.16 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.08 End Date: 2013.11.09

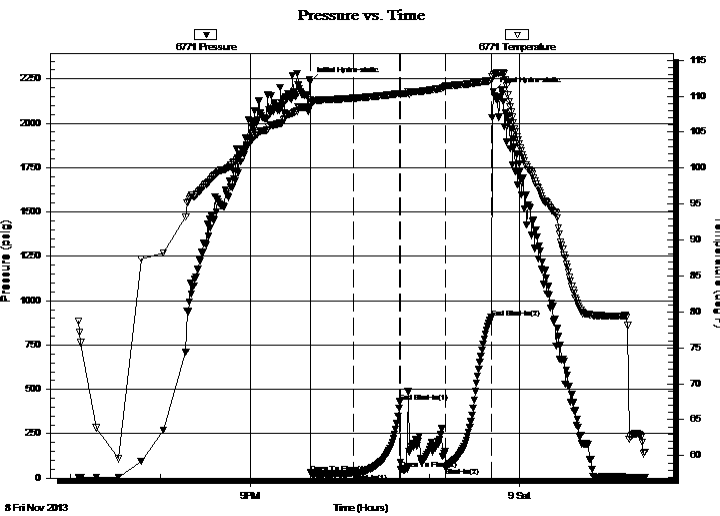
Last Calib.: 2013.11.09

Start Time: 19:05:20 End Time: 01:24:20

Time On Btm: 2013.11.08 @ 21:40:05

Time Off Btm: 2013.11.08 @ 23:42:35

**TEST COMMENT:** Weak blow died in 5 min.  
No return  
No blow , flush tool after 5 min. , good surge , no blow  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.27	109.51	Initial Hydro-static
1	29.03	108.54	Open To Flow (1)
29	25.92	109.72	Shut-In(1)
60	429.77	110.40	End Shut-In(1)
61	50.39	110.30	Open To Flow (2)
91	60.16	111.29	Shut-In(2)
121	905.24	112.16	End Shut-In(2)
123	2178.15	113.00	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	h o c m 45o 55m	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**6-16s -34w Scott, Ks**

p.o. box8050  
Edmond, Ok  
73083

**Carson Edwards #1**

Job Ticket: 54659

**DST#: 1**

ATTN: Kitt Noah

Test Start: 2013.11.08 @ 19:05:20

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	h o c m 45o 55m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

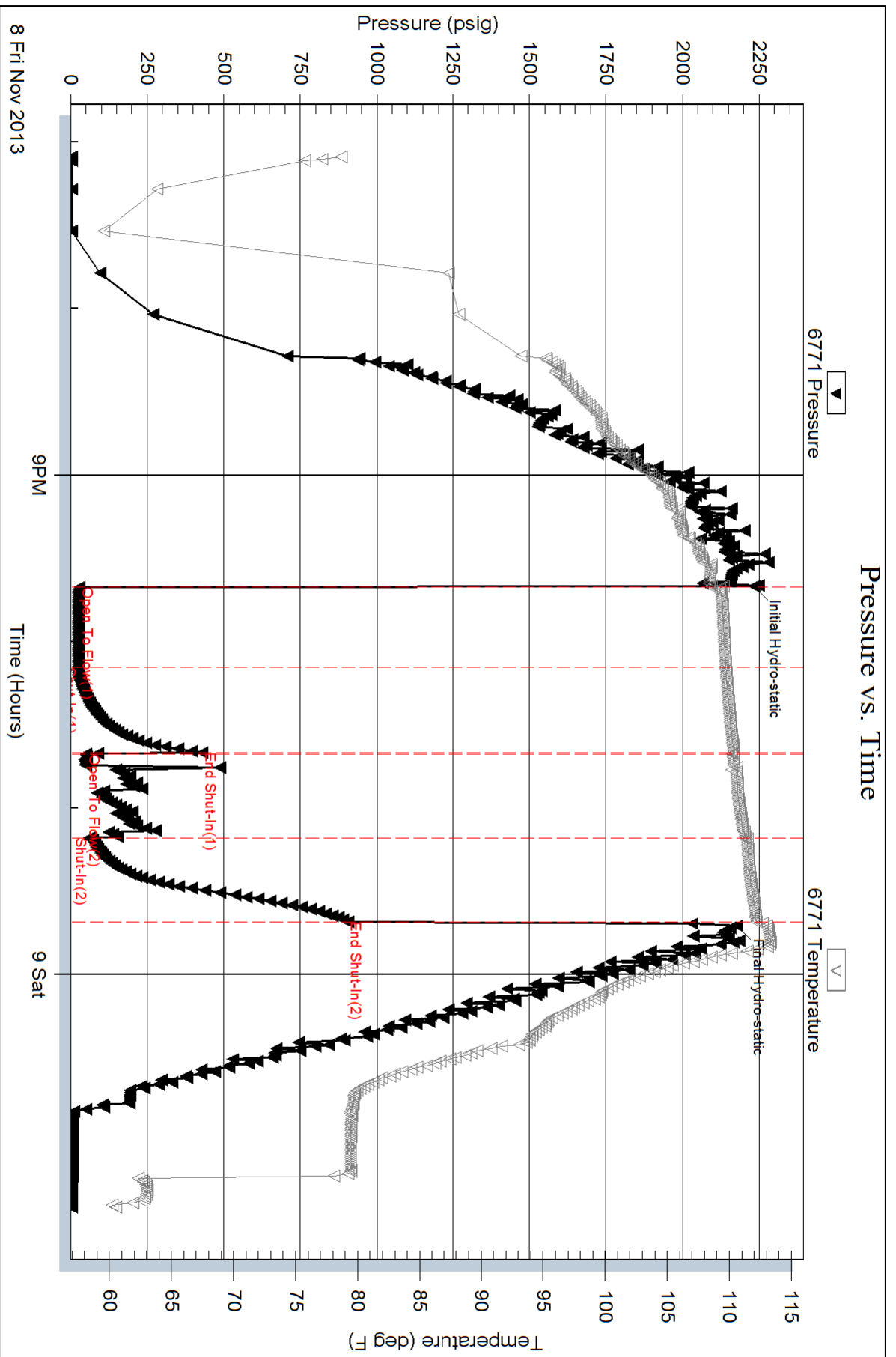
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**6-16s -34w Scott, Ks**

p.o. box8050  
Edmond, Ok  
73083  
ATTN: Kitt Noah

**Carson Edwards #1**

Job Ticket: 54660      **DST#: 2**  
Test Start: 2013.11.09 @ 11:55:16

## GENERAL INFORMATION:

Formation: **Marmaton A-B**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 14:15:16  
 Time Test Ended: 18:55:16  
 Interval: **4466.00 ft (KB) To 4494.00 ft (KB) (TVD)**  
 Total Depth: 4494.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3150.00 ft (KB)  
 3139.00 ft (CF)  
 KB to GR/CF: 11.00 ft

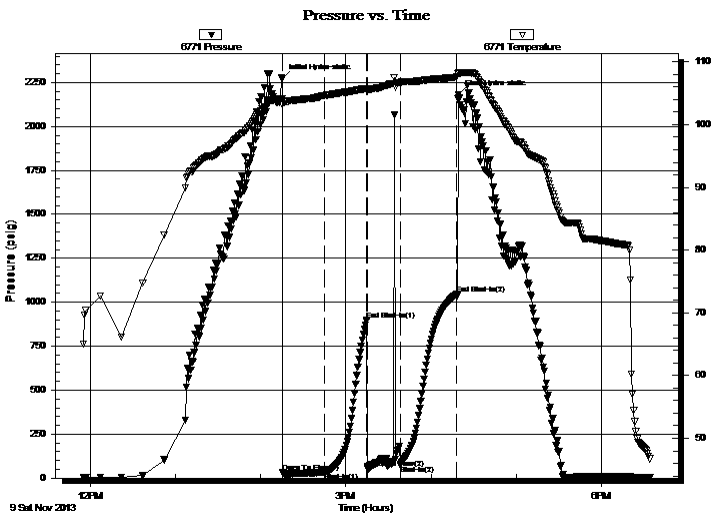
## Serial #: 6771

Inside

Press @ RunDepth: 74.39 psig @ 4467.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.11.09      End Date: 2013.11.09      Last Calib.: 2013.11.09  
 Start Time: 11:55:16      End Time: 18:34:16      Time On Btm: 2013.11.09 @ 14:15:01  
 Time Off Btm: 2013.11.09 @ 16:19:16

TEST COMMENT: 1/8" in blow died in 9 min.  
 No return  
 No blow , Flush tool after 15 min, good surge , No blow  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.78	104.10	Initial Hydro-static
1	32.01	103.13	Open To Flow (1)
30	34.61	104.63	Shut-In(1)
60	899.15	105.74	End Shut-In(1)
61	55.62	105.60	Open To Flow (2)
84	74.39	106.65	Shut-In(2)
123	1044.69	107.56	End Shut-In(2)
125	2180.30	108.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	o c m 25% o 75% m (heavy thick mud)	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**6-16s -34w Scott, Ks**

p.o. box8050  
Edmond, Ok  
73083

**Carson Edwards #1**

Job Ticket: 54660

**DST#: 2**

ATTN: Kitt Noah

Test Start: 2013.11.09 @ 11:55:16

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	o c m 25%o 75%m (heavy thick mud)	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

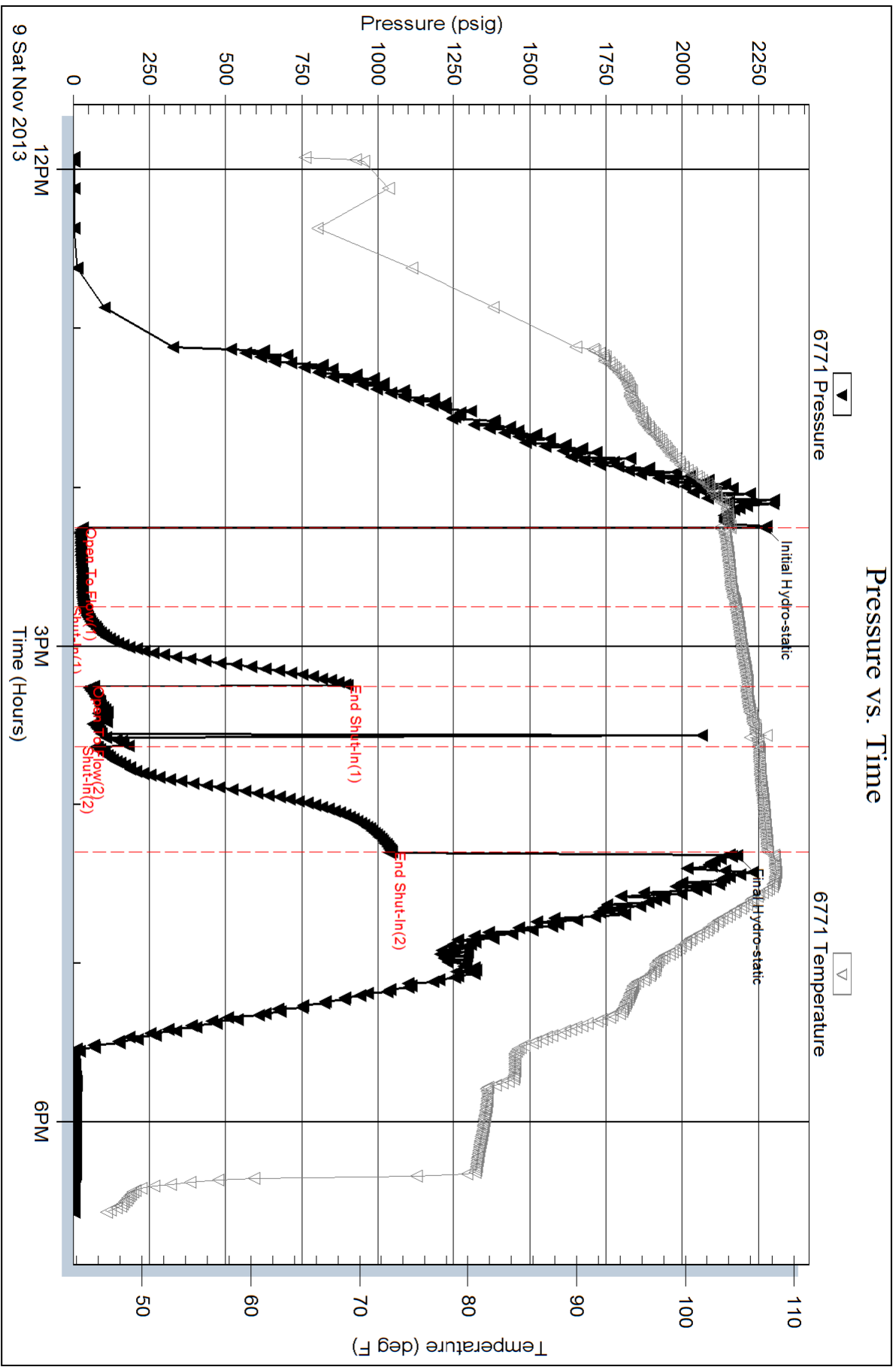
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**6-16s -34w Scott, Ks**

p.o. box8050  
Edmond, Ok  
73083  
ATTN: Kitt Noah

**Carson Edwards #1**

Job Ticket: 54661      **DST#: 3**  
Test Start: 2013.11.10 @ 09:46:09

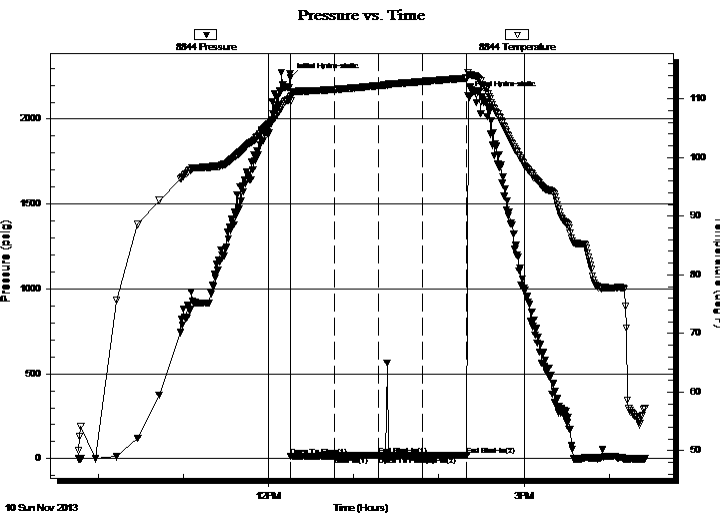
## GENERAL INFORMATION:

Formation: **Myrick Station**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 12:15:39  
 Time Test Ended: 16:35:24  
 Interval: **4568.00 ft (KB) To 4584.00 ft (KB) (TVD)**  
 Total Depth: 4584.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3150.00 ft (KB)  
 3139.00 ft (CF)  
 KB to GR/CF: 11.00 ft

## Serial #: 8844 Outside

Press @RunDepth: 16.06 psig @ 4569.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.11.10      End Date: 2013.11.10      Last Calib.: 2013.11.10  
 Start Time: 09:46:09      End Time: 16:25:24      Time On Btm: 2013.11.10 @ 12:15:24  
 Time Off Btm: 2013.11.10 @ 14:20:24

**TEST COMMENT:** Weak blow s died in 5 min.  
 No return  
 No blow , flush tool after 5 min., good surge, no blow  
 No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.80	110.35	Initial Hydro-static
1	15.19	109.61	Open To Flow (1)
32	16.44	111.60	Shut-In(1)
62	22.11	112.23	End Shut-In(1)
62	15.31	112.24	Open To Flow (2)
93	16.06	112.95	Shut-In(2)
125	21.38	113.54	End Shut-In(2)
125	2140.16	114.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud w/oil spots on top	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**6-16s -34w Scott, Ks**

p.o. box8050  
Edmond, Ok  
73083

**Carson Edwards #1**

Job Ticket: 54661

**DST#: 3**

ATTN: Kitt Noah

Test Start: 2013.11.10 @ 09:46:09

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud w /oil spots on top	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

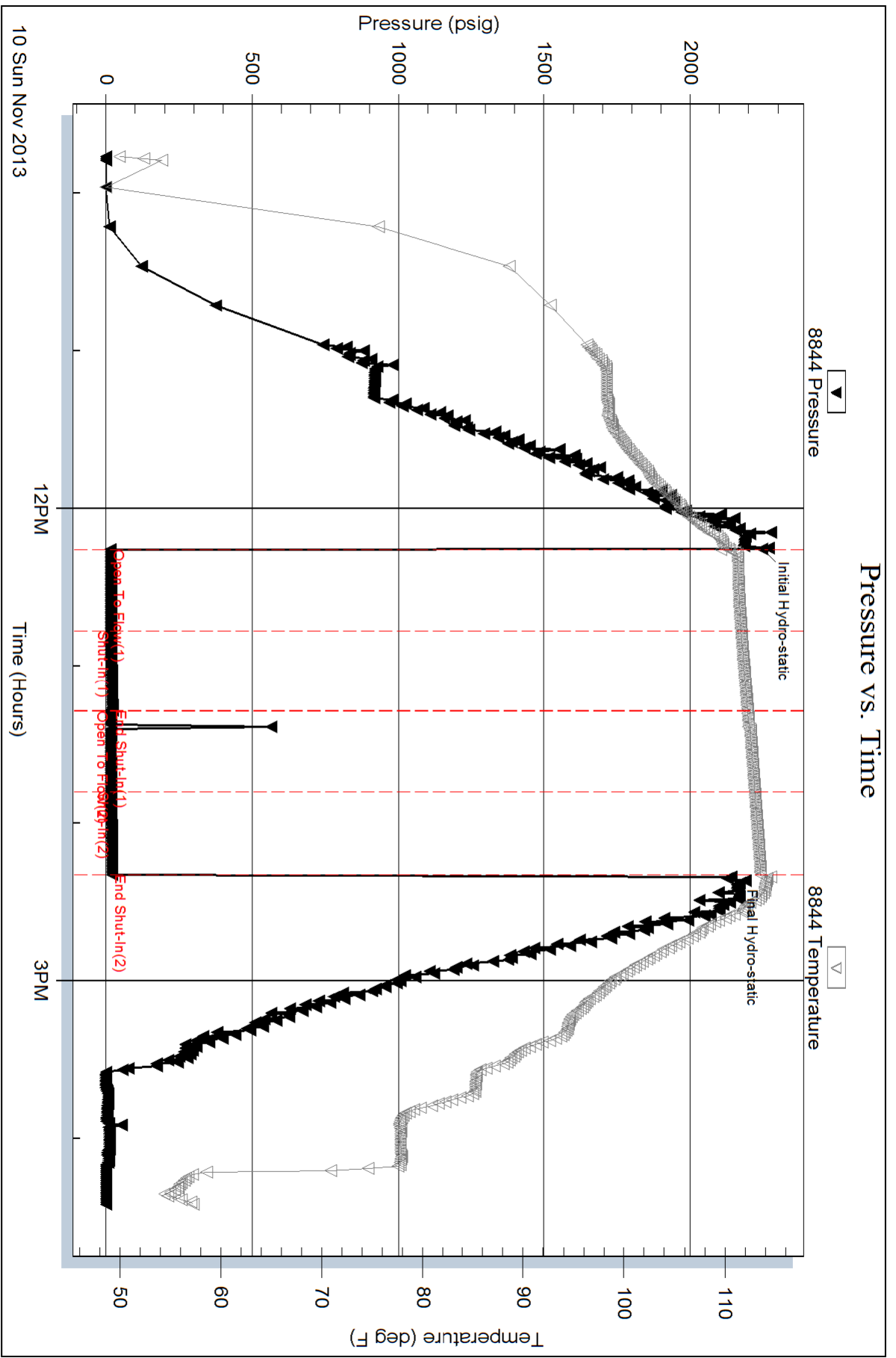
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc  
PO Box 8050  
Edmond, OK 73083  
ATTN: Kitt Noah

**6-16s -34w Scott, KS**  
**Carson Edwards #1**  
Job Ticket: 54661 **DST#: 4**  
Test Start: 2013.11.11 @ 07:35:54

## GENERAL INFORMATION:

Formation: **Johnson**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 10:00:24  
Time Test Ended: 14:50:39  
Interval: **4666.00 ft (KB) To 4690.00 ft (KB) (TVD)**  
Total Depth: 4690.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 3150.00 ft (KB)  
3139.00 ft (CF)  
KB to GR/CF: 11.00 ft

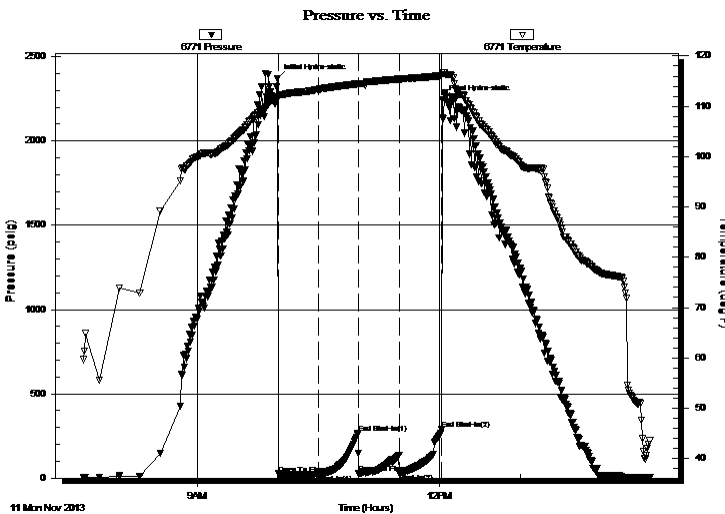
## Serial #: 6771

Inside

Press @ Run Depth: 29.92 psig @ 4667.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.11.11 End Date: 2013.11.11 Last Calib.: 2013.11.11  
Start Time: 07:35:54 End Time: 14:35:39 Time On Btm: 2013.11.11 @ 09:59:39  
Time Off Btm: 2013.11.11 @ 12:02:09

TEST COMMENT: 1/8" blow died in 12 min.  
No return  
No blow, flush tool after 5 min., good surge, no blow  
No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2368.56	111.91	Initial Hydro-static
1	24.64	111.88	Open To Flow (1)
31	22.95	113.36	Shut-In(1)
60	267.84	114.48	End Shut-In(1)
61	27.72	114.45	Open To Flow (2)
91	29.92	115.39	Shut-In(2)
122	287.32	116.07	End Shut-In(2)
123	2244.64	116.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud oil spots in tool	0.01

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**6-16s -34w Scott, KS**

PO Box 8050  
Edmond, OK 73083

**Carson Edwards #1**

Job Ticket: 54661

**DST#: 4**

ATTN: Kitt Noah

Test Start: 2013.11.11 @ 07:35:54

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud oil spots in tool	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

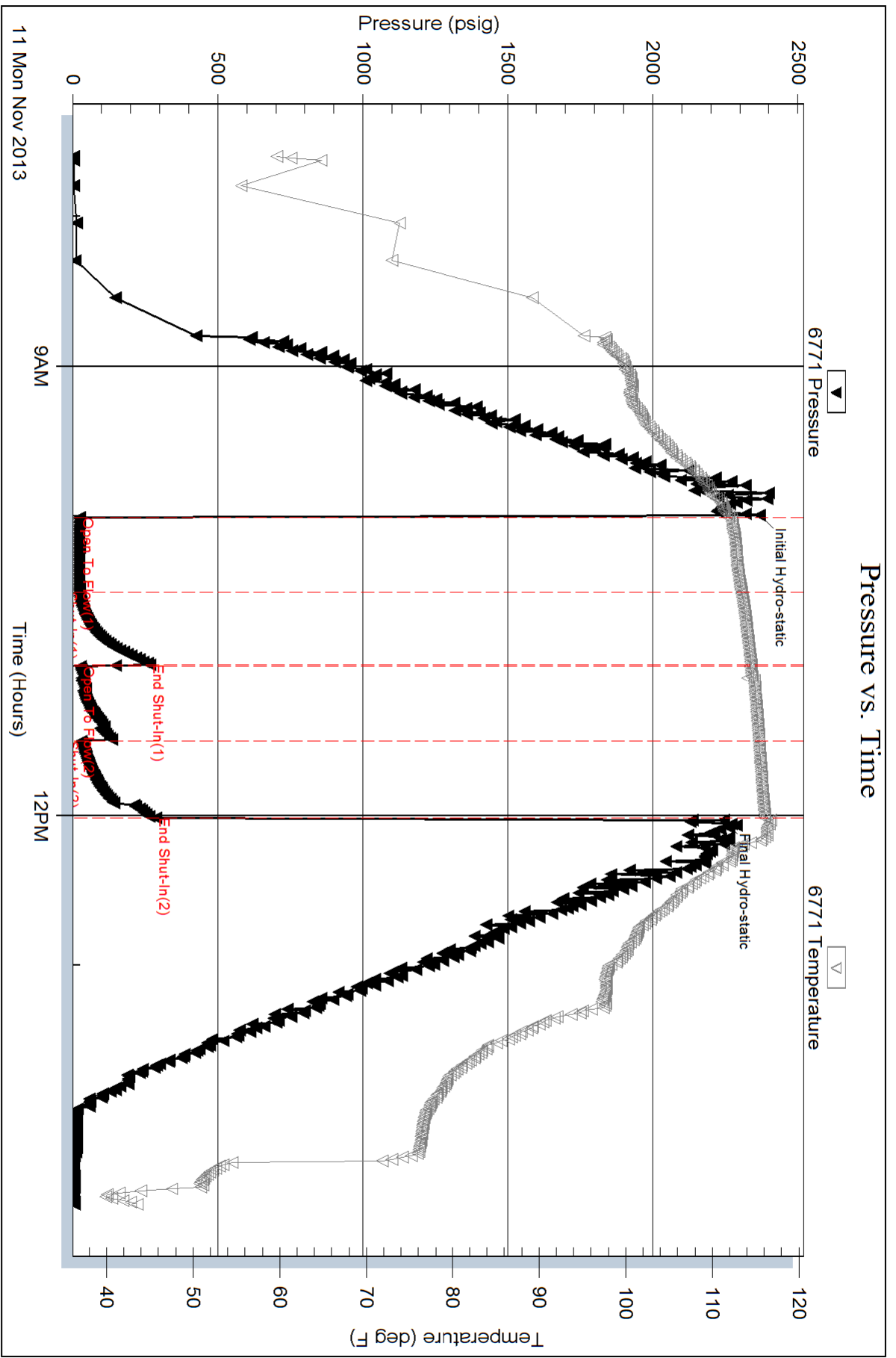
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







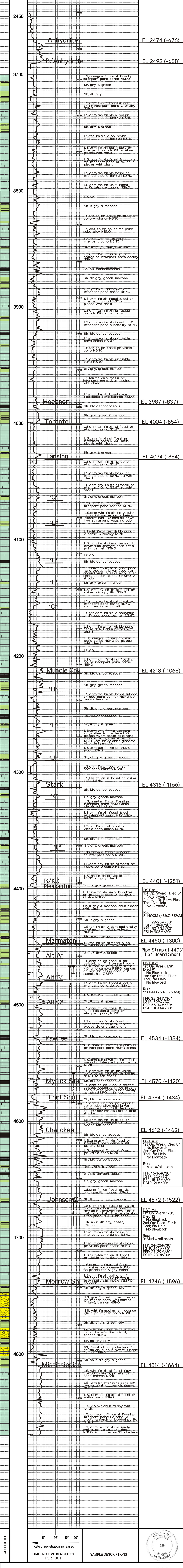
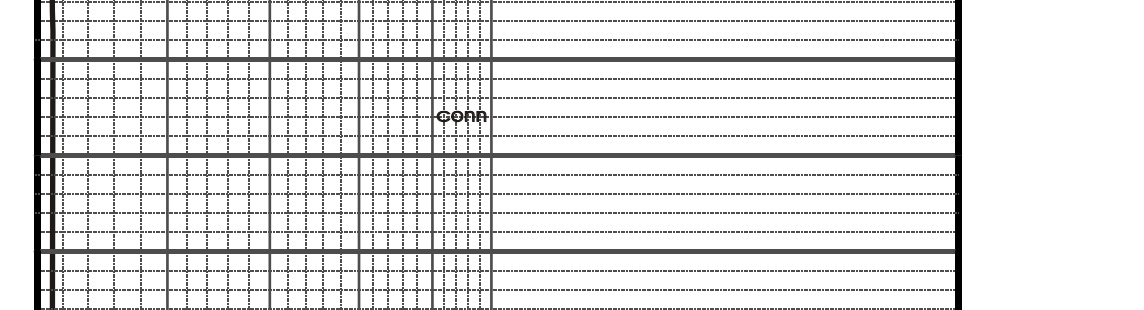
## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR: Russell Oil, Inc.	LOCATION: 2570FS & 2240FE
LEASE: Carson-Edwards Ut Well No. #1	SEC: 6 TWP: 16S RNG: 34W
COUNTY: Scott STATE: Kansas	
CONTRACTOR: H2 Drilling Rig #1	DATE: 11-13-2013
WELL NO: 2474 (+676)	DEPTH: 4875
HEEDER: 3987 (-837)	DRILLING TIME: 3700 TO TD
TOPO: 4004 (-884)	DRILLING TIME: 3700 TO TD
LANING: 4034 (-884)	DRILLING TIME: 3700 TO TD
STARK: 4316 (-1166)	DRILLING TIME: 3700 TO TD
B/KC: 4401 (-1251)	DRILLING TIME: 3700 TO TD
MARMATON: 4450 (-1300)	DRILLING TIME: 3700 TO TD
PAWNEE: 4534 (-1384)	DRILLING TIME: 3700 TO TD
CHEROKEE: 4612 (-1462)	DRILLING TIME: 3700 TO TD
MISSISSIPPIAN: 4814 (-1664)	DRILLING TIME: 3700 TO TD
RTD: 4875 (-1725)	DRILLING TIME: 3700 TO TD
LTD: 4875 (-1725)	DRILLING TIME: 3700 TO TD

ELEVATION: KB 3150  
 MEASURED FROM: KB  
 #15-171-20-994

### LEGEND

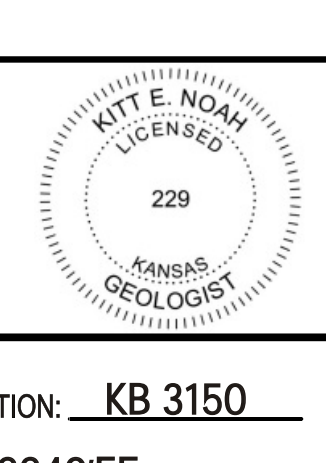


**DST #1:**  
1st Op: Weak; Dled 5'  
No Blowback  
2nd Op: No Blow; Flush  
Tool: No Help  
No Blowback  
Rec:  
5' HOCM (45%O,55%M)  
IFP: 29-25#/30"  
ISP: 429#/30"  
FFP: 50-60#/30"  
FSIP: 905#/30"

**DST #2:**  
1st Op: Weak 1/8"; Dled 9"  
No Blowback  
2nd Op: Dead; Flush  
Tool: No Help  
No Blowback  
Rec:  
5' OCM (25%O,75%M)  
IFP: 32-34#/30"  
ISP: 899#/30"  
FFP: 55-74#/30"  
FSIP: 1044#/30"

**DST #3:**  
1st Op: Weak; Dled 5"  
No Blowback  
2nd Op: Dead; Flush  
Tool: No Help  
No Blowback  
Rec:  
1' Mud w/oil spots  
IFP: 15-16#/30"  
ISP: 229#/30"  
FFP: 15-16#/30"  
FSIP: 21#/30"

**DST #4:**  
1st Op: Weak 1/8"; Dled 12"  
No Blowback  
2nd Op: Dead; Flush  
Tool: No Help  
No Blowback  
Rec:  
3' Mud w/oil spots  
IFP: 24-22#/30"  
ISP: 267#/30"  
FFP: 27-29#/30"  
FSIP: 287#/30"



OPERATOR: Russell Oil, Inc. LOCATION: 2570FS & 2240FE  
 LEASE: Carson-Edwards WELL NO: #1 SEC: 6 TWP: 16S RNG: 34W  
 API: 15-171-20,994 FIELD: American Beauty COUNTY: Scott STATE: Kansas