



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1149255  
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: \_\_\_\_\_



1149255

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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Edwards Trust B 1-32
Doc ID	1149255

All Electric Logs Run

MICRORESISTIVITY
COMPUTER PROCESSED INTERPRETATION
BOREHOLE COMPENSATED SONIC
DUAL INDUCTION
SECTOR BOND
DUAL COMPENSATED POROSITY

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Edwards Trust B 1-32
Doc ID	1149255

Tops

Name	Top	Datum
ANHYDRITE	2364	+675
BASE ANHYDRITE	2381	+658
TOPEKA	3623	-584
HEEBNER	3858	-819
TORONTO	3876	-837
LANSING	3906	-867
MUNCIE CREEK	4082	-1043
STARK SHALE	4175	-1136
BASE KC	4267	-1228
MARMATON	4311	-1272
PAWNEE	4402	-1363
FT SCOTT	4449	-1410
CHEROKEE SHALE	4476	-1437
JOHNSON	4352	-1493
MISSISSIPPI	4651	-1612





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

ATTN: Kitt Noah

Job Ticket: 49045

**DST#: 1**

Test Start: 2013.03.04 @ 03:52:15

## GENERAL INFORMATION:

Formation: "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:58:00

Time Test Ended: 11:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

**Interval: 3942.00 ft (KB) To 3960.00 ft (KB) (TVD)**

Reference Elevations: 3039.00 ft (KB)

Total Depth: 3960.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8646**

**Inside**

Press @ Run Depth: 219.50 psig @ 3945.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.04

End Date:

2013.03.04

Last Calib.:

2013.03.04

Start Time:

03:52:15

End Time:

11:19:00

Time On Btm:

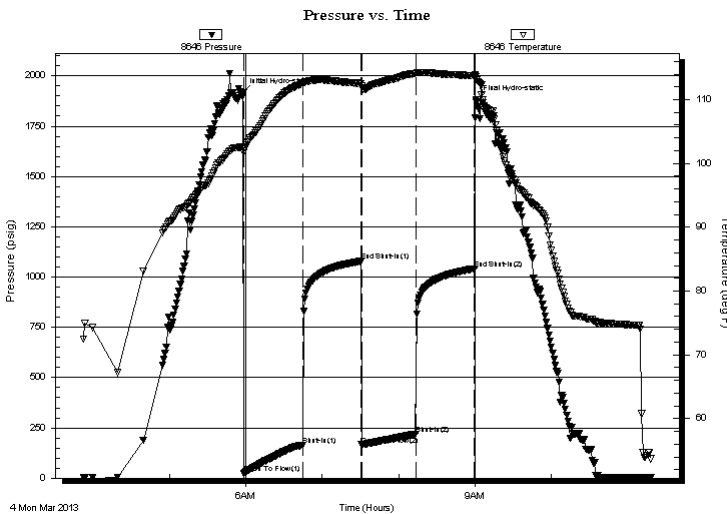
2013.03.04 @ 05:57:45

Time Off Btm:

2013.03.04 @ 09:00:45

**TEST COMMENT:** IF:BOB in 30 min.  
IS:No return blow  
FF:BOB in 45 min.  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.41	102.56	Initial Hydro-static
1	22.99	101.64	Open To Flow (1)
47	163.75	112.47	Shut-In(1)
93	1078.29	112.53	End Shut-In(1)
93	165.40	112.10	Open To Flow (2)
136	219.50	114.12	Shut-In(2)
182	1041.58	113.69	End Shut-In(2)
183	1883.73	113.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	free oil	0.15
124.00	ocw m 15%o 25%m 60%w	0.61
310.00	10%o 40%m 50%w	2.93

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

Job Ticket: 49045

**DST#: 1**

ATTN: Kitt Noah

Test Start: 2013.03.04 @ 03:52:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

44 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	free oil	0.148
124.00	ocw m 15%o 25%m 60%w	0.610
310.00	10%o 40%m 50%w	2.927

Total Length: 464.00 ft      Total Volume: 3.685 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.046@51.3=19,000 ppm

API=43 @50 corrected to 44 @60

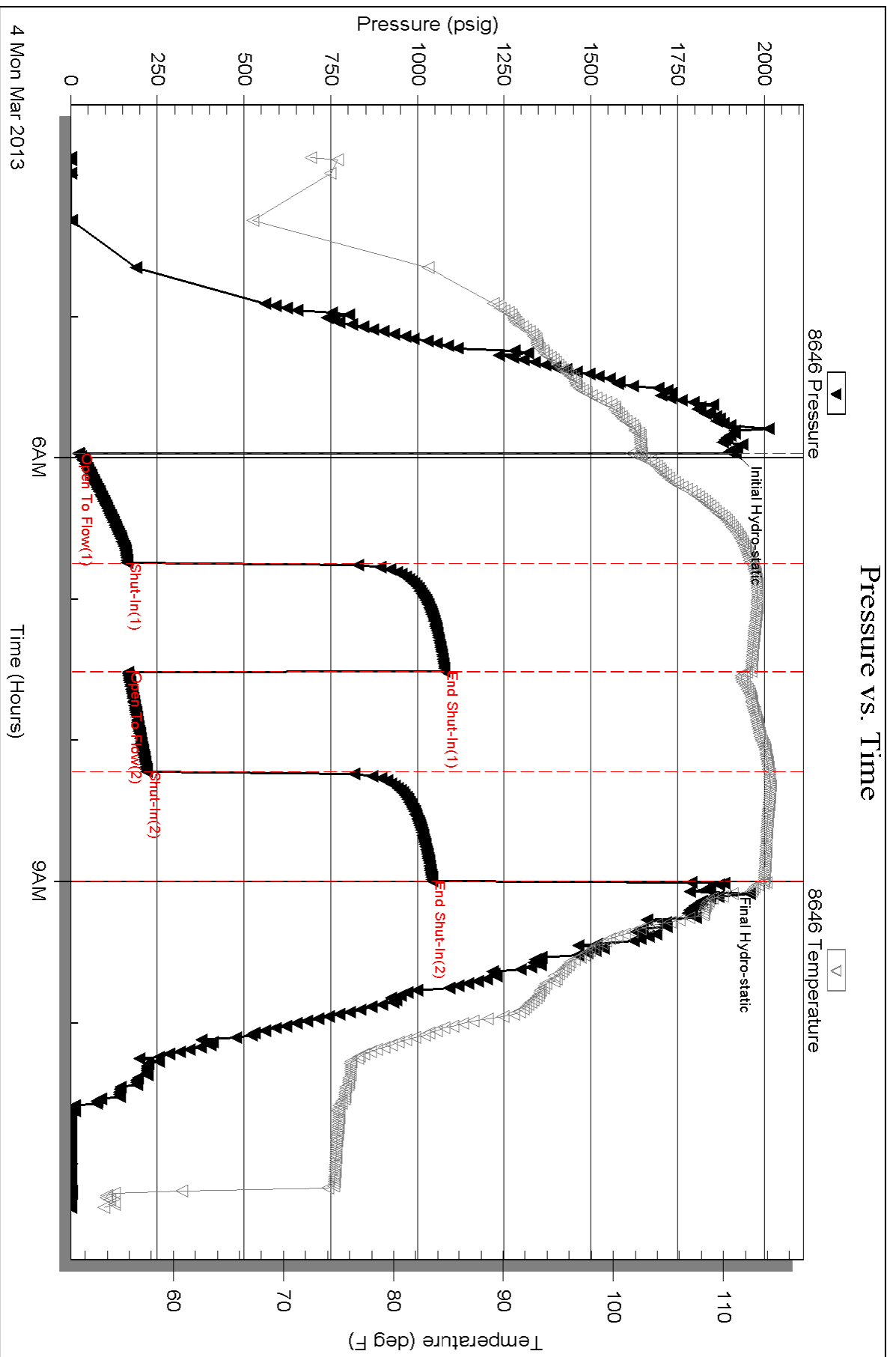
Serial #: 8646

Inside

Russell Oil Inc

Edwards Trust B-1-32

DST Test Number: 1







**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

Job Ticket: 49105

**DST#: 2**

ATTN: Kitt Noah

Test Start: 2013.03.05 @ 23:52:28

**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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 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
550.00	100%M	4.891

Total Length: 550.00 ft      Total Volume: 4.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

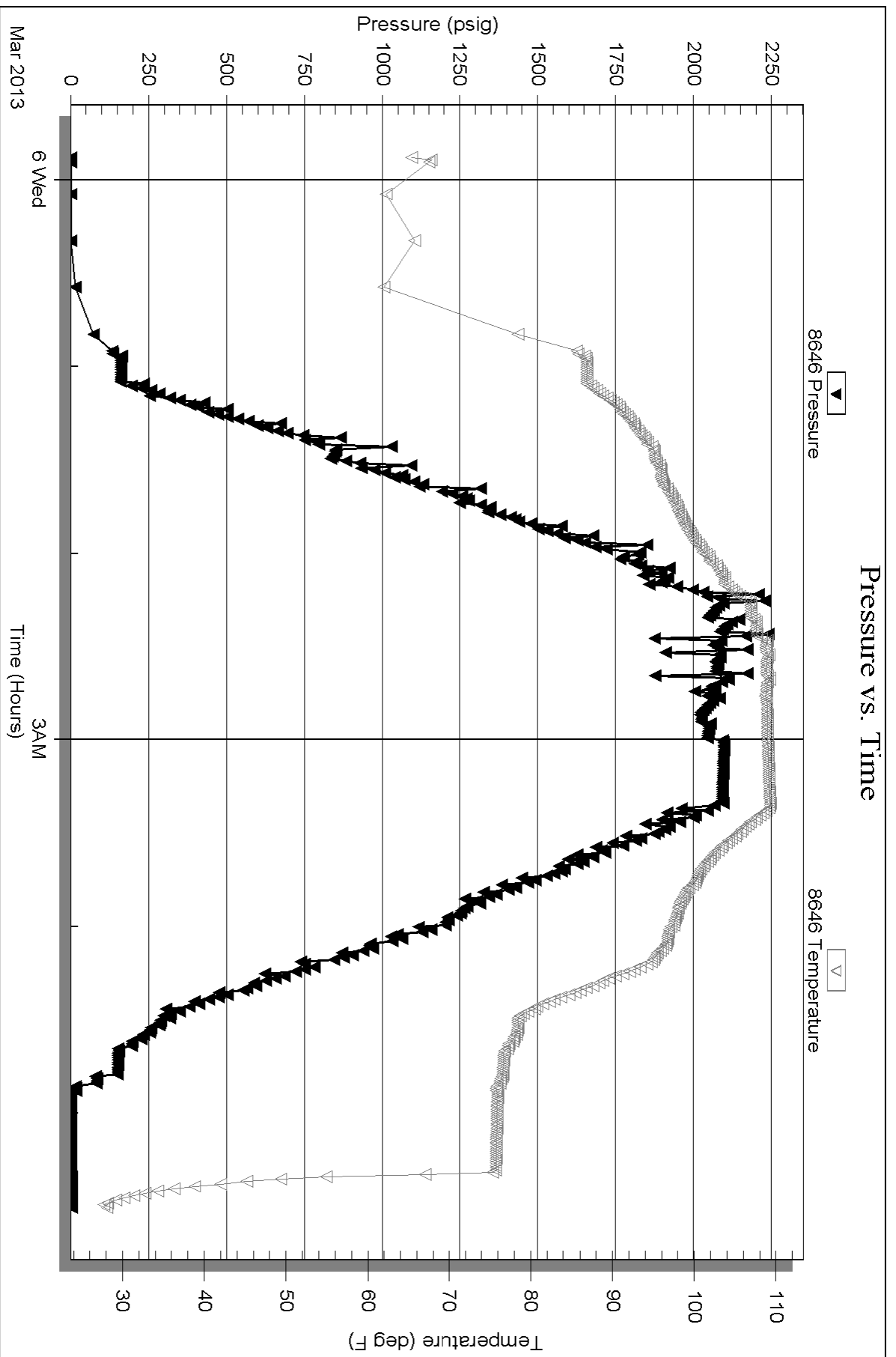
Serial #: 8646

Inside

Russell Oil Inc

Edwards Trust B 1-32

DST Test Number: 2







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

Job Ticket: 49106

**DST#: 3**

ATTN: Kitt Noah

Test Start: 2013.03.06 @ 10:23:57

## 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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% m with few oil spots	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

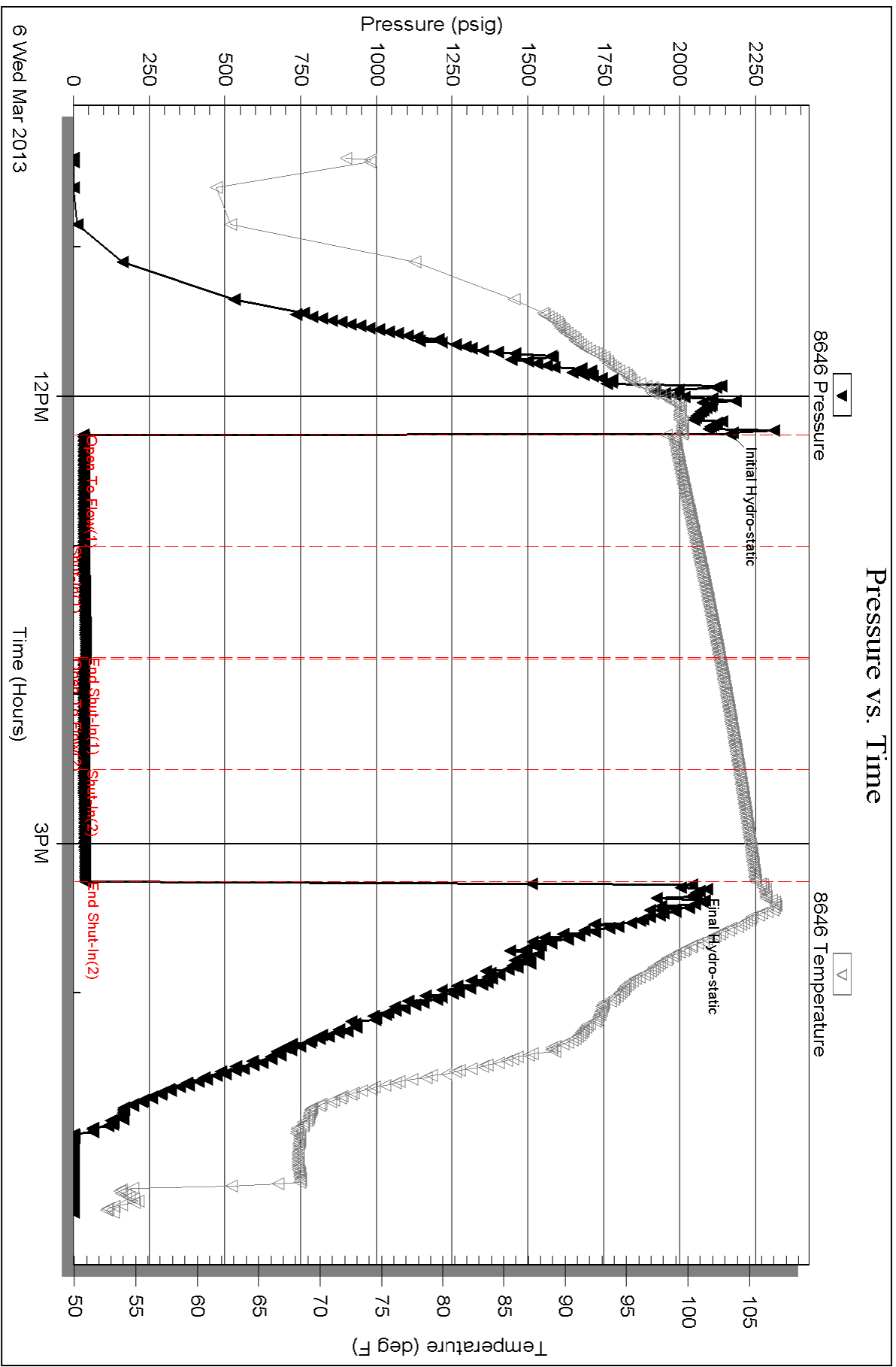
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050

**EdwardsTrust B 1-32**

Edmond OK

Job Ticket: 49107

**DST#: 4**

73083

ATTN: Kitt Noah

Test Start: 2013.03.07 @ 05:15:29

## GENERAL INFORMATION:

Formation: **Alt "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:13:22

Time Test Ended: 20:48:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 65

**Interval: 4358.00 ft (KB) To 4395.00 ft (KB) (TVD)**

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4395.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8365 Outside**

Press @ RunDepth: 589.65 psig @ 4361.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.07

End Date:

2013.03.07

Last Calib.:

2013.03.07

Start Time: 05:15:44

End Time:

20:48:07

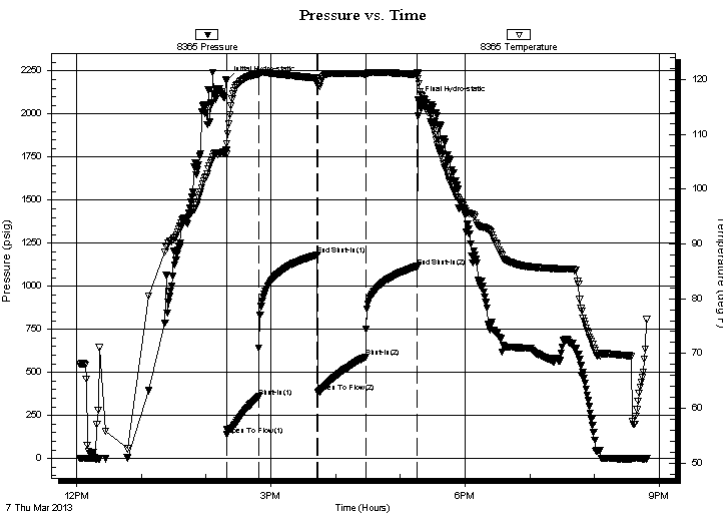
Time On Btm:

2013.03.07 @ 14:18:52

Time Off Btm:

2013.03.07 @ 17:16:22

**TEST COMMENT:** IF-B.O.B. In 2 mins.  
 IS-B.O.B. In 10 mins.  
 FF-B.O.B. In 2 mins.  
 FS-B.O.B. In 14 mins



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.81	107.14	Initial Hydro-static
1	137.26	108.25	Open To Flow (1)
30	358.45	120.92	Shut-In(1)
85	1181.73	120.25	End Shut-In(1)
85	382.63	119.81	Open To Flow (2)
129	589.65	120.98	Shut-In(2)
177	1115.10	120.92	End Shut-In(2)
178	2079.86	120.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	2%G 40%M 58%O	0.61
1394.00	35%G 65%O	17.86
0.00	1890 G.I.P.	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

Job Ticket: 49107

**DST#: 4**

ATTN: Kitt Noah

Test Start: 2013.03.07 @ 05:15:29

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	2%G 40%M 58%O	0.610
1394.00	35%G 65%O	17.860
0.00	1890 G.I.P.	0.000

Total Length: 1518.00 ft      Total Volume: 18.470 bbl

Num Fluid Samples: 0

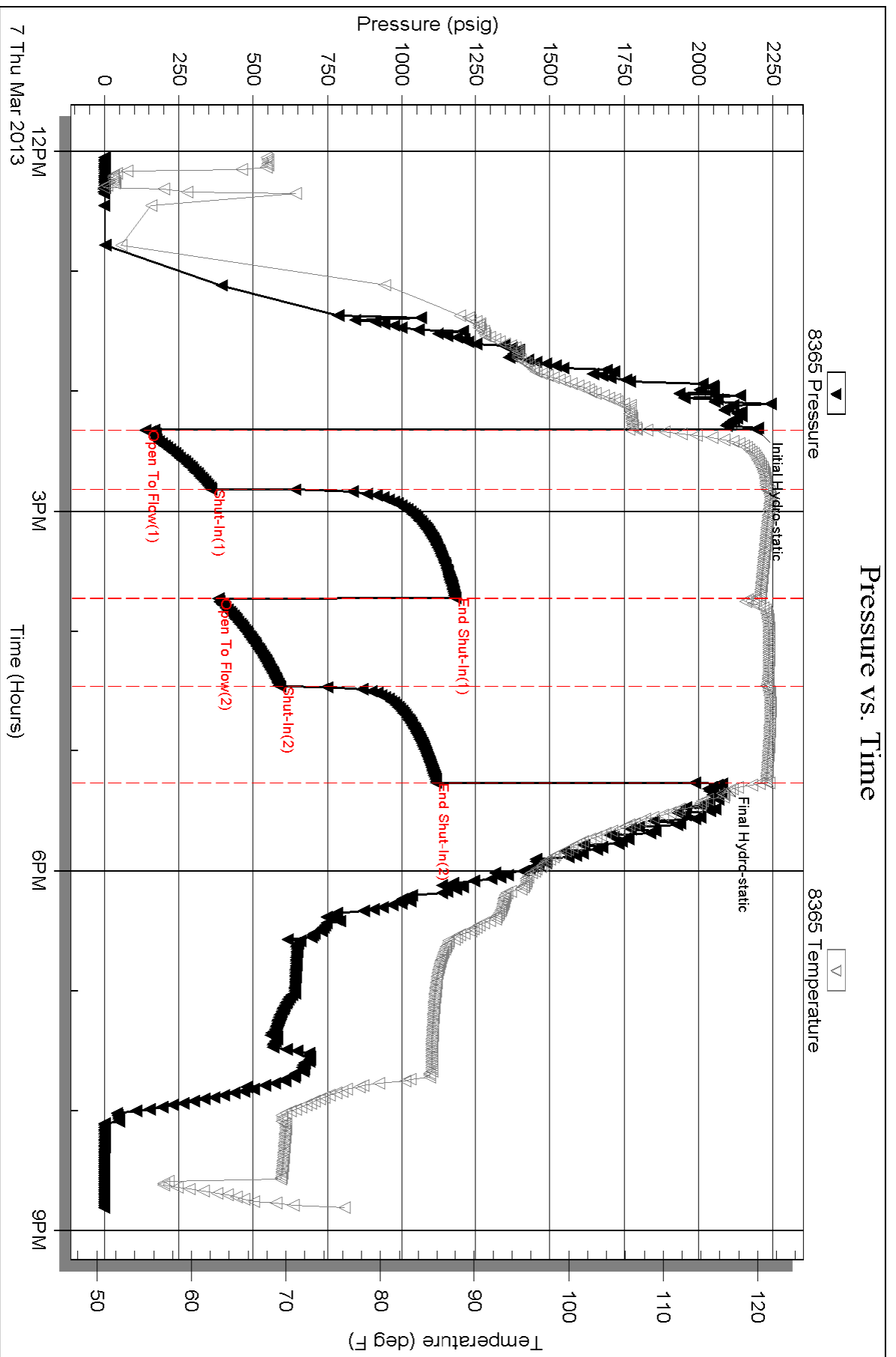
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 30 @ 60F = 30





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

ATTN: Kitt Noah

Job Ticket: 49108

**DST#: 5**

Test Start: 2013.03.08 @ 02:03:11

## GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:19:41

Time Test Ended: 08:31:41

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 65

**Interval: 4447.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4480.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8646**

**Inside**

Press @ Run Depth: 21.47 psig @ 4450.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.08

End Date:

2013.03.08

Last Calib.:

2013.03.08

Start Time:

02:03:26

End Time:

08:31:41

Time On Btm:

2013.03.08 @ 04:19:26

Time Off Btm:

2013.03.08 @ 06:33:41

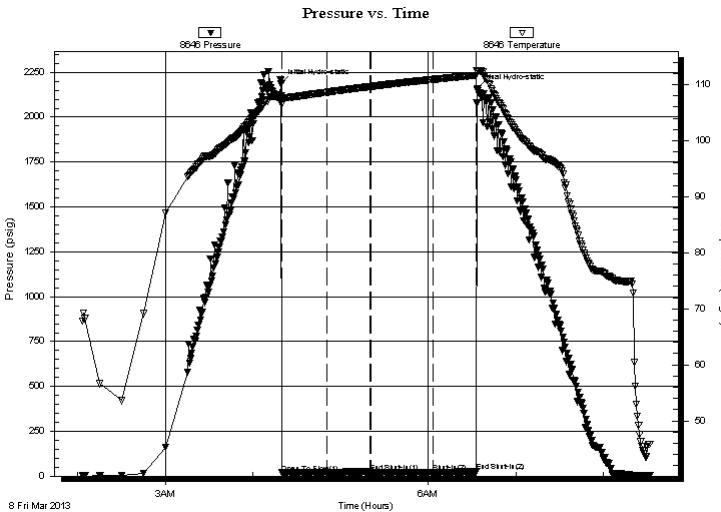
**TEST COMMENT:** IF-Weak surface blow built to 1/4in.

ISI-Dead no return blow

FF-Dead no blow

FSI-Dead no return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.19	107.95	Initial Hydro-static
1	18.13	106.39	Open To Flow (1)
32	21.01	108.63	Shut-In(1)
61	22.87	109.64	End Shut-In(1)
62	20.39	109.65	Open To Flow (2)
104	21.47	110.91	Shut-In(2)
134	24.02	111.66	End Shut-In(2)
135	2160.54	112.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	2%O 98%M	0.02

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

Job Ticket: 49108

**DST#: 5**

ATTN: Kitt Noah

Test Start: 2013.03.08 @ 02:03:11

**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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	2%O 98%M	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:

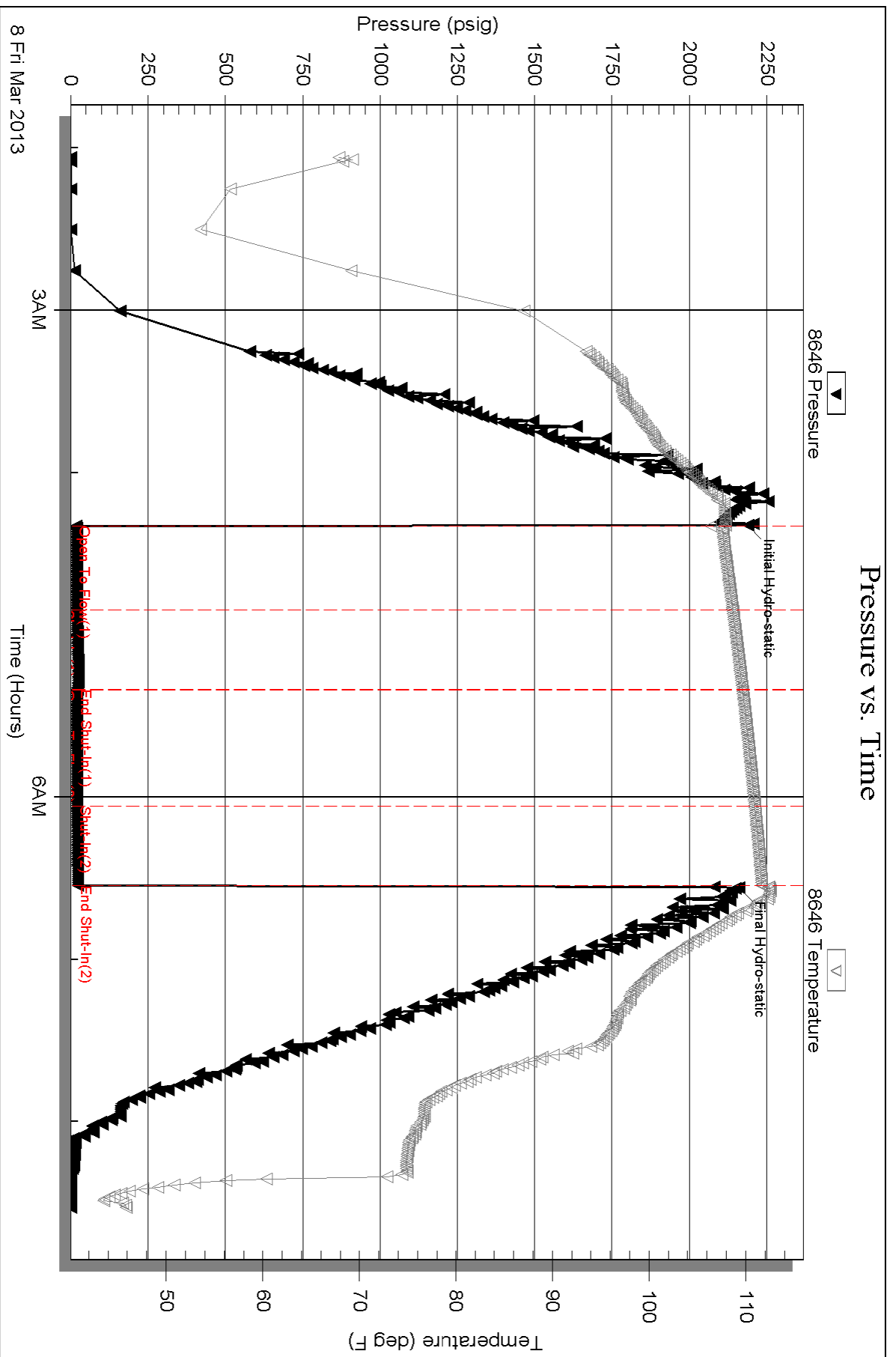
Serial #: 8646

Inside

Russell Oil Inc

Edwards Trust B 1-32

DST Test Number: 5





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050

**EdwardsTrust B 1-32**

Edmond OK

Job Ticket: 49109

**DST#: 6**

73083

Test Start: 2013.03.08 @ 18:14:47

ATTN: Kitt Noah

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:44:02

Time Test Ended: 02:40:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 65

**Interval: 4531.00 ft (KB) To 4555.00 ft (KB) (TVD)**

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8646 Inside**

Press @ Run Depth: 32.25 psig @ 4532.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.08

End Date:

2013.03.09

Last Calib.:

2013.03.09

Start Time: 18:15:02

End Time:

02:40:02

Time On Btm:

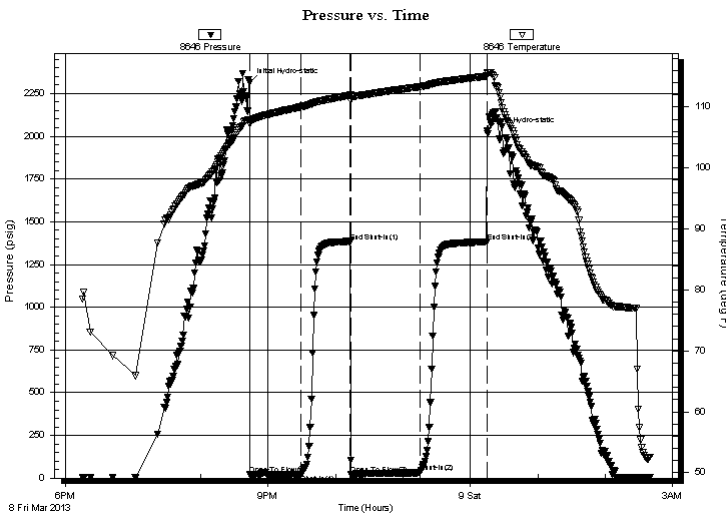
2013.03.08 @ 20:43:32

Time Off Btm:

2013.03.09 @ 00:15:02

**TEST COMMENT:** IF-Weak surface blow built to 1 1/2 in.  
 ISI-Dead no return  
 FF-Fair surface blow built to 6 1/2 in.  
 FSI-Dead no return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2314.14	107.74	Initial Hydro-static
1	19.78	107.29	Open To Flow (1)
46	22.14	110.03	Shut-In(1)
90	1385.19	111.94	End Shut-In(1)
91	21.90	111.63	Open To Flow (2)
152	32.25	113.34	Shut-In(2)
211	1381.36	115.05	End Shut-In(2)
212	2029.57	115.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	100%O	0.01
5.00	20%O 80%M	0.02
0.00	186 GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Russell Oil Inc

**32 15s 34w Scott Co**

P.O. Box 8050  
Edmond OK  
73083

**EdwardsTrust B 1-32**

Job Ticket: 49109

**DST#: 6**

ATTN: Kitt Noah

Test Start: 2013.03.08 @ 18:14:47

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
3.00	100%O	0.015
5.00	20%O 80%M	0.025
0.00	186 GIP	0.000

Total Length: 8.00 ft      Total Volume: 0.040 bbl

Num Fluid Samples: 0

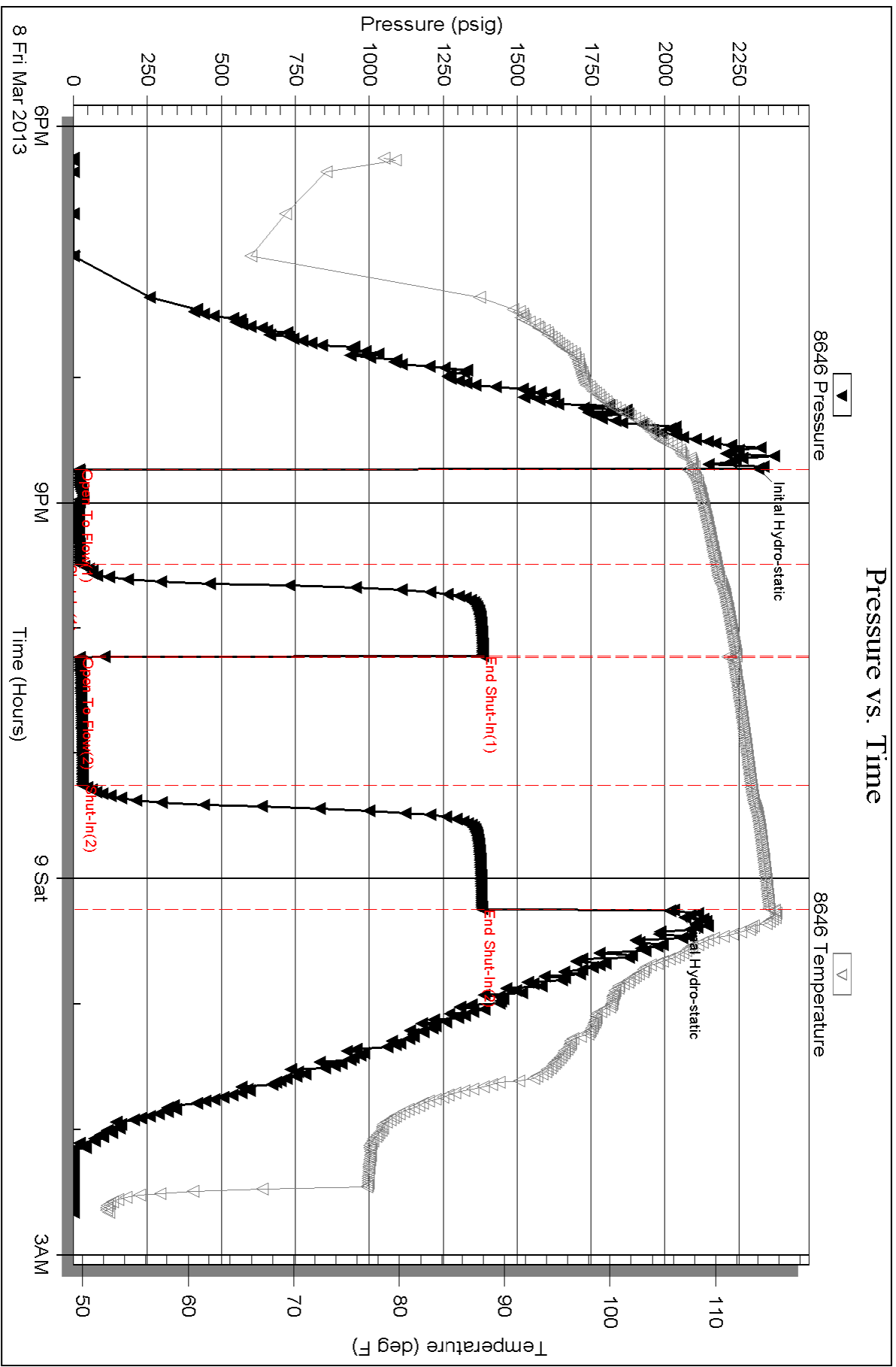
Num Gas Bombs: 0

Serial #:

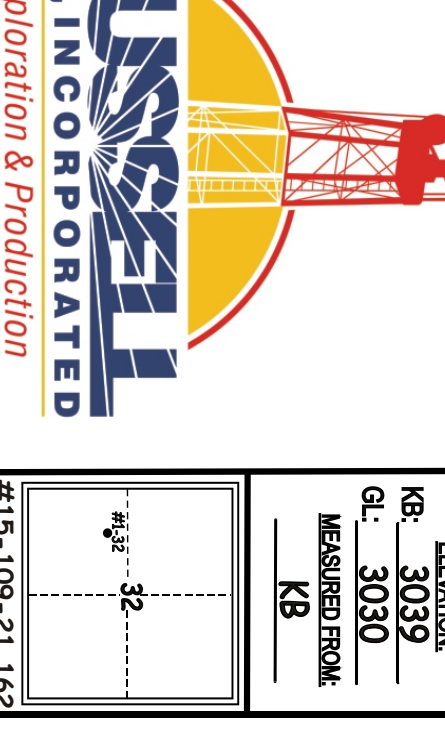
Laboratory Name:

Laboratory Location:

Recovery Comments: API 29 @ 50F = 30







**LOGAN STATE OIL, INCORPORATED**  
Exploration & Production

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

ELEVATION: **KB 3039**  
GL: **3030**  
MEASURED ELEVATION: **KB**

#15-109-21.162

OPERATOR: **Russell Oil, Inc.**  
LEASE: **Edwards Trust "B" WELL NO. #1-32**  
LOCATION: **2260FS & 1000FW**  
SEC: **32** TWP: **15S** RNG: **34W**  
COUNTY: **Logan** STATE: **Kansas**

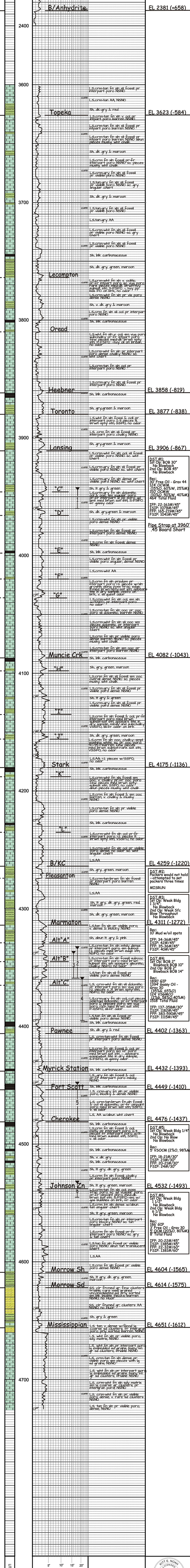
CASING RECORD:  
SURFACE: **5 5/8" 561' of**  
PRODUCTION: **307 W/2225' SK.**  
RD/100L: **4716 W/1510' SK.**  
RD/100L: **2380' W/475' SK.**

FORMATION	TOP LOG	DATE
Annville	2364 (+675)	3/10/2013
B/Anhydrite	2381 (+658)	4/7/25
Heebner	3858 (-819)	4/6/20
Toronto	3877 (-838)	4/6/20
Lansing	3906 (-867)	4/6/20
Stark	4175 (-1136)	4/6/20
B/KC	4239 (-1272)	4/6/20
Marmaton	4311 (-1722)	4/6/20
Pawnee	4402 (-1363)	4/6/20
Cherokee	4476 (-1437)	4/6/20
Mississippian	4651 (-1612)	4/6/20
RITD	4725 (-1686)	4/6/20
LTD	4720 (-1681)	4/6/20

CONTRACTOR: **H2 Drilling Rig #3**  
COMM: **2-27-2013** COMP: **3/10/2013**  
RIG: **4725** LTD: **4720**  
SHAFTS SAVED FROM: **4600** LTD  
SHIMMERS EXAMINED FROM: **3600** LTD  
GEOLOGICAL PENETRATION FROM: **3720** LTD  
MUD UP: **3500** WINDY: **4/20/13**  
Mudlogs: **Reid Atkins, Tom Anderson**  
Marmaton: **4311 (-1722)**  
Drill Stem Tests Taken: **6**  
Triobite: **Mike Roberts/Tate Lingo**

SURVEYS: **Blonder Energy Services**  
**Dual Compensated Porosity**  
**Microlog**  
**Brilliant Compensated Sonic**

### LEGEND



**DST #1:**  
1st Op: BOB 30"  
No Blowback  
2nd Op: BOB 45"  
No Blowback

Rec:  
30' Free Oil - Grav 44  
124' OCWM  
(15%O, 60%W, 25%M)  
310' OCWM  
(10%O, 50%W, 40%M)  
464' Total Fluid

IFP: 22-163#/45"  
ISIP: 1078#/45"  
FFP: 165-213#/45"  
FSIP: 1041#/45"

**Pipe Strap at 3960'**  
45 Board Short

**DST #2:**  
Packers would not hold  
- attempted to set  
packers three times  
MISRUN

**DST #3:**  
1st Op: Weak Bldg  
1 3/4"  
No Blowback  
2nd Op: Weak Sfc  
Blow Throughout  
No Blowback

Rec:  
10' Mud w/oil spots

IFP: 34-36#/45"  
ISIP: 42#/45"  
FFP: 35-36#/45"  
FSIP: 40#/45"

**DST #4:**  
1st Op: BOB 2"  
No Blowback  
2nd Op: BOB 10"  
Blowback BOB 14"

Rec:  
1890' GIPP  
1394' Gassy Oil -  
Grav 30  
(35%G, 65%O)  
124' VSGMCO  
(2%G, 58%O, 40%M)  
1518' Total Fluid

IFP: 137-358#/30"  
ISIP: 1182#/45"  
FFP: 383-590#/45"  
FSIP: 1115#/45"

**DST #5:**  
1st Op: Weak Bldg 1/4"  
No Blowback  
2nd Op: No Blow  
No Blowback

Rec:  
5' VSOCM (2%O, 98%M)

IFP: 18-21#/30"  
ISIP: 23#/30"  
FFP: 20-21#/30"  
FSIP: 24#/30"

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

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

**DST #7:**  
1st Op: Weak Bldg 1/4"  
No Blowback  
2nd Op: No Blow  
No Blowback

Rec:  
5' VSOCM (2%O, 98%M)

IFP: 18-21#/30"  
ISIP: 23#/30"  
FFP: 20-21#/30"  
FSIP: 24#/30"

**DST #8:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

**DST #9:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

**DST #10:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

**DST #11:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

**DST #12:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

**DST #13:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

**DST #14:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

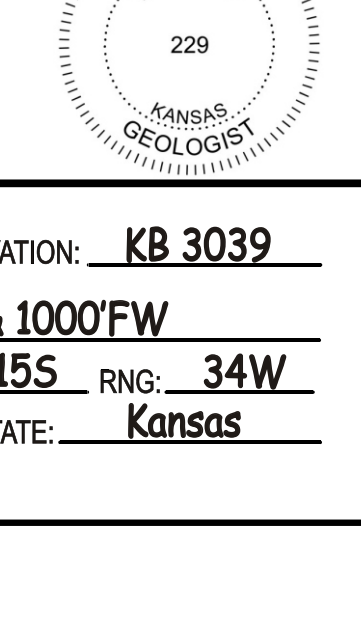
**DST #15:**  
1st Op: Weak Bldg  
1 1/2"  
No Blowback  
2nd Op: Weak Bldg  
6 1/2"  
No Blowback

Rec:  
186' GIP  
3' Free Oil - Grav 30  
5' OCWM (20%O, 80%M)  
8' Total Fluid

IFP: 20-22#/45"  
ISIP: 1385#/45"  
FFP: 22-32#/60"  
FSIP: 1381#/60"

ELEVATION: **KB 3039**

OPERATOR: **Russell Oil, Inc.** LOCATION: **2260FS & 1000FW**  
LEASE: **Edwards Trust "B" WELL NO. #1-32** SEC: **32** TWP: **15S** RNG: **34W**  
API: **15-109-21.162** FIELD: **Wildcat** COUNTY: **Logan** STATE: **Kansas**





Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 24, 2013

LEROY HOLT  
Russell Oil, Inc.  
PO BOX 8050  
EDMOND, OK 73083

Re: ACO1  
API 15-109-21162-00-00  
Edwards Trust B 1-32  
SW/4 Sec.32-15S-34W  
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
LEROY HOLT



**CONSOLIDATED**  
Oil Well Services, LLC

257224

TICKET NUMBER 39448  
LOCATION Oakley ks  
FOREMAN Mites Shaw  
walt Dink

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
3-10-13	7043	Edwards trust B-1-32	32	155	34W	Logan
CUSTOMER <u>Russell oil</u>			PRICE AS 2 West 4 North East into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			405	Timmy		
STATE			460	Jeremy S		
ZIP CODE			5187127	Tim W		

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 4720' CASING SIZE & WEIGHT 5 1/2" 15.5 #  
CASING DEPTH 4776' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DUTED @ 2380'  
SLURRY WEIGHT 14.2/12.4 SLURRY VOL 1.4/1.89 WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 43.32  
DISPLACEMENT 111 1/2 DISPLACEMENT PSI 1000/1000 MIX PSI 1500/1500 RATE \_\_\_\_\_

REMARKS: Safety meeting and rig up to #2 Rig. Run float equipment ~~East~~ turbo-1.2.4.5 @ 2, 5, 8, 15, 20, 23, 54, 56. Basket on bottom 55' DJ tool on top of 55' @ 2380'. Run casing to bottom. Circulate on bottom with rotating head. The pump 5 bbls water mud. Must 5 bbls water mix 150 sks OWC w/ #5 Kolzeal. Gear shutdown charged pump & lines. Re-log gel plug displaced 34 bbls water 54. 5 bbls mud with 1000 psi. 1 1/2 Plusland @ 1500 psi; released pressure plus head. Draggd part to open tool. Unlatched 15 min tool open with 900 psi. Circulate 30 min. Pumped 5 bbls water ahead mix 445 sks down casing shut down ~~part~~ Released plug. Charged pump & lines displaced 54 1/2 bbls water with 700 psi. 1 1/2 Plusland @ and hold @ 1500 psi. Mix 305 sks RH cement did circulate 20 bbls to bit.  
Thanks Mites & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020. <sup>00</sup>	3020. <sup>00</sup>
5406	40	MILEAGE	500	200. <sup>00</sup>
5407A	28.22 Tons	Ton Mileage delivery	1.67	1918.40
1126	150	OWC cement	22.55	3382.50
110A	750#	Kolzeal	1.56	420. <sup>00</sup>
1131	475 sks	600/40 per cement	1.5110	7172.50
1118B	3268 #	Bentonite gel	1.25	817. <sup>00</sup>
1107	118	Phoseal	2.82	332.76
11446	500 gal	Mud Flush	1.00	500. <sup>00</sup>
4104	1	5 1/2" Cement basket	276. <sup>00</sup>	276. <sup>00</sup>
4136	8	5 1/2" Turbulizers	72	576. <sup>00</sup>
4159	1	5 1/2" AFU float shoe	413. <sup>00</sup>	413. <sup>00</sup>
4277	1	5 1/2" DUTool W	4800. <sup>00</sup>	4800. <sup>00</sup>
4454	1	5 1/2" latch dam plug	303. <sup>00</sup>	303. <sup>00</sup>
			Subtotal	24131.16
			less 108 d. stamp	2413.12
			Subtotal	21718.04
			SALES TAX	1333.31
			ESTIMATED TOTAL	23051.35

completed

AUTHORIZATION Tray [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





**CONSOLIDATED**  
Oil Well Services, LLC

257040

TICKET NUMBER

39464

LOCATION

Callaway US

FOREMAN

Thits Shaw

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-9676

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-28-13	7043	Edwards Trust B-1-32	82	155	34W	Wagon
CUSTOMER	Russell oil	Partners LW 41W Foot mb	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			493	S Jordan		
			403	COY D		
CITY	STATE	ZIP CODE				

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 307 CASING SIZE & WEIGHT 8 5/8 23#  
 CASING DEPTH 307 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL. 1.86 WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 20'  
 DISPLACEMENT 86bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig upon H2 drilling #3 Circulate casing  
17.225 shs common class A cement with 38 gal calcium 28 gal dis. Wax  
118B water Shatin Cement did circulate 4 bbls to 0.17

Thanks Thits & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405	1	PUMP CHARGE	1085.00	1085.00
5406	40	MILEAGE	5.00	200.00
5407	10.57 TONS	Tonnage delivery	1.67	706.40
11045	225 SHS	Common class A cement	17.65	3971.25
1102	634 #	Calcium Chloride	<del>22.89</del>	5641.26
1118B	423 #	Beatoato gel	1.25	105.75
		Subtotal		1433.46
		less 10% discount		443.27
		Subtotal		5969.39
		<input checked="" type="checkbox"/> <b>Completed</b>		

Rawin 3737

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

SALES TAX ESTIMATED 325.82  
 TOTAL 16295.21

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.