



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1066157



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Addington 1-1
Doc ID	1066157

All Electric Logs Run

DUAL INDUCTION
MICRORESISTIVITY
DUAL COMPENSATED POROSITY
COMPUTER PROCESSED INTERPRETATION

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 26, 2011

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

Re: ACO1  
API 15-009-25572-00-00  
Addington 1-1  
SW/4 Sec.01-16S-15W  
Barton 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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

ATTN: Leroy Holt II

Job Ticket: 43426

**DST#: 1**

Test Start: 2011.07.18 @ 20:25:51

## GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:13:46

Time Test Ended: 01:52:45

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 3041.00 ft (KB) To 3100.00 ft (KB) (TVD)**

Reference Elevations: 1944.00 ft (KB)

Total Depth: 3100.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 57.26 psig @ 3045.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.18

End Date:

2011.07.19

Last Calib.: 2011.07.19

Start Time: 20:25:51

End Time:

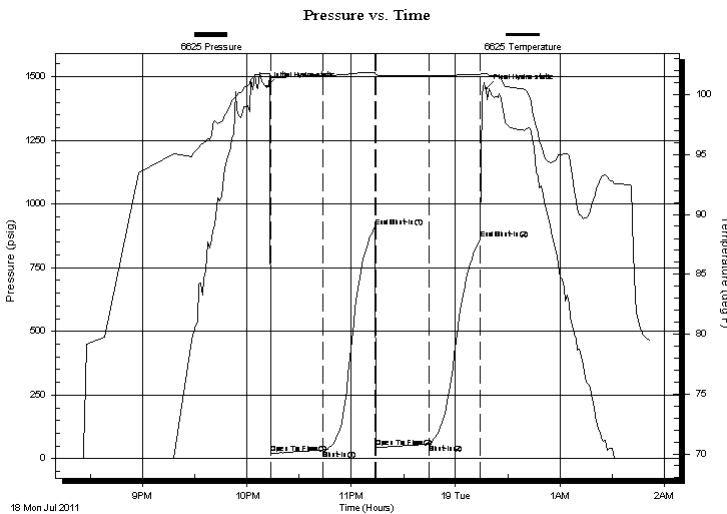
01:52:45

Time On Btm: 2011.07.18 @ 22:11:16

Time Off Btm: 2011.07.19 @ 00:17:46

**TEST COMMENT:** 30-IFP-w k bl 1/4", died in 25min  
30-ISIP-no bl  
30-FFP-surface bl, died in 20min  
30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1459.39	101.75	Initial Hydro-static
3	20.52	101.49	Open To Flow (1)
32	34.77	101.61	Shut-In(1)
63	910.72	101.86	End Shut-In(1)
63	44.82	101.69	Open To Flow (2)
94	57.26	101.56	Shut-In(2)
123	862.47	101.67	End Shut-In(2)
127	1451.53	101.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCM 10%O90%M	0.34

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

Job Ticket: 43426

**DST#: 1**

ATTN: Leroy Holt II

Test Start: 2011.07.18 @ 20:25:51

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	OCM 10%O90%M	0.344

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

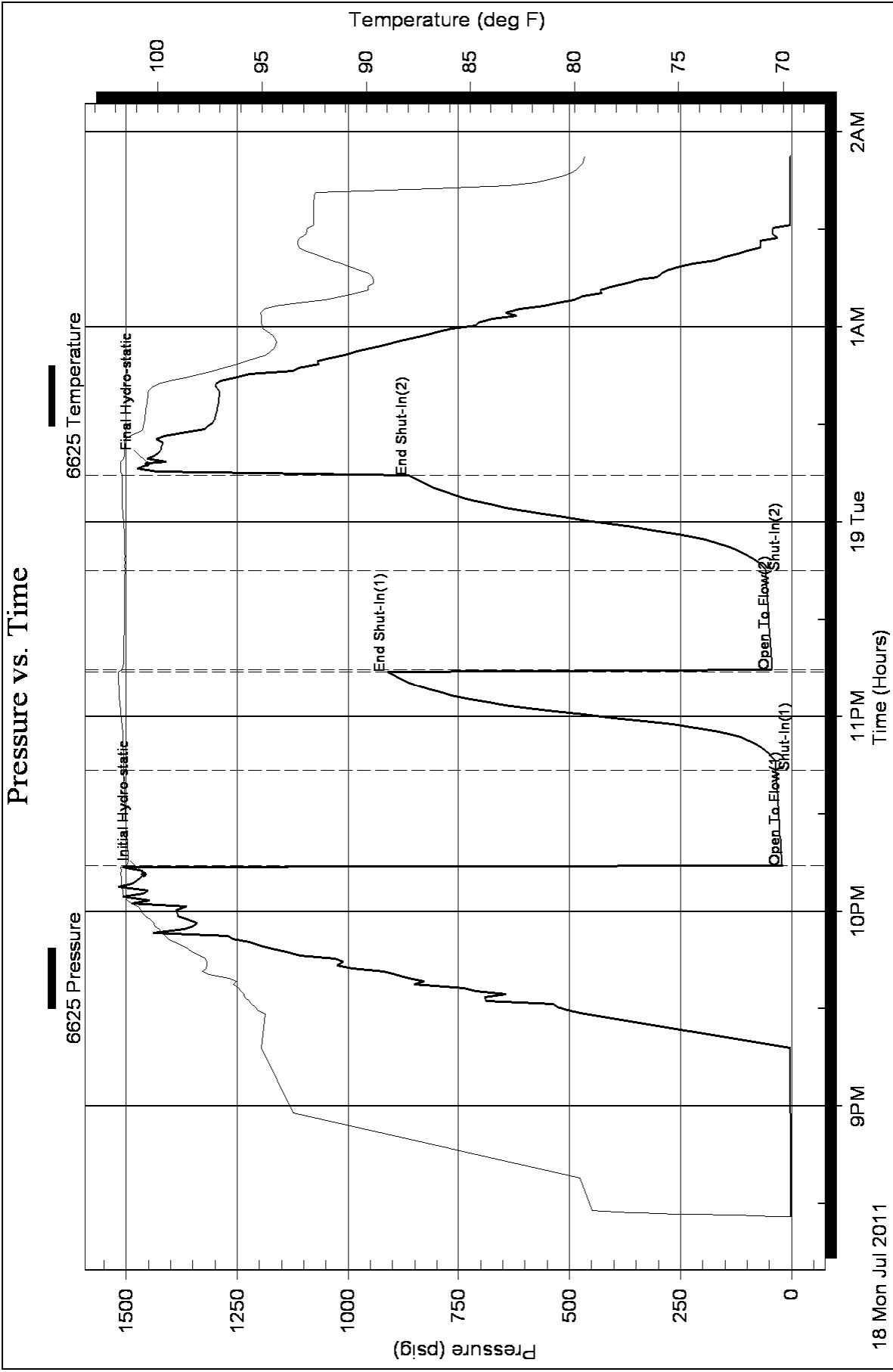
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

ATTN: Leroy Holt II

Job Ticket: 43427

**DST#: 2**

Test Start: 2011.07.19 @ 20:10:52

## GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:04:47

Time Test Ended: 01:35:46

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 3096.00 ft (KB) To 3228.00 ft (KB) (TVD)**

Reference Elevations: 1944.00 ft (KB)

Total Depth: 3228.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 33.08 psig @ 3105.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.19

End Date:

2011.07.20

Last Calib.:

2011.07.20

Start Time: 20:10:52

End Time:

01:35:46

Time On Btm:

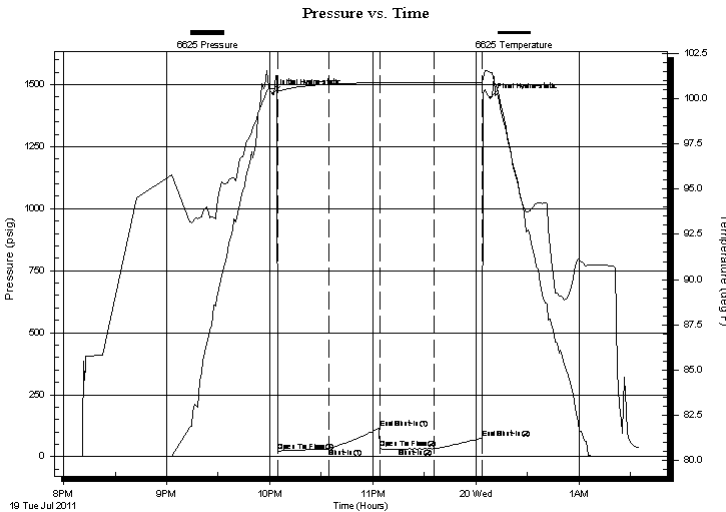
2011.07.19 @ 22:01:47

Time Off Btm:

2011.07.20 @ 00:08:17

**TEST COMMENT:** 30-IFP-w k bl, 1/4", died in 25 min  
30-ISIP-no bl  
30-FFP-surface bl, died in 20min  
30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1463.07	100.57	Initial Hydro-static
3	23.12	100.43	Open To Flow (1)
33	33.84	100.79	Shut-In(1)
62	116.83	100.88	End Shut-In(1)
63	33.73	100.87	Open To Flow (2)
94	33.08	100.88	Shut-In(2)
122	76.38	100.88	End Shut-In(2)
127	1447.08	101.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

Job Ticket: 43427

**DST#: 2**

ATTN: Leroy Holt II

Test Start: 2011.07.19 @ 20:10:52

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

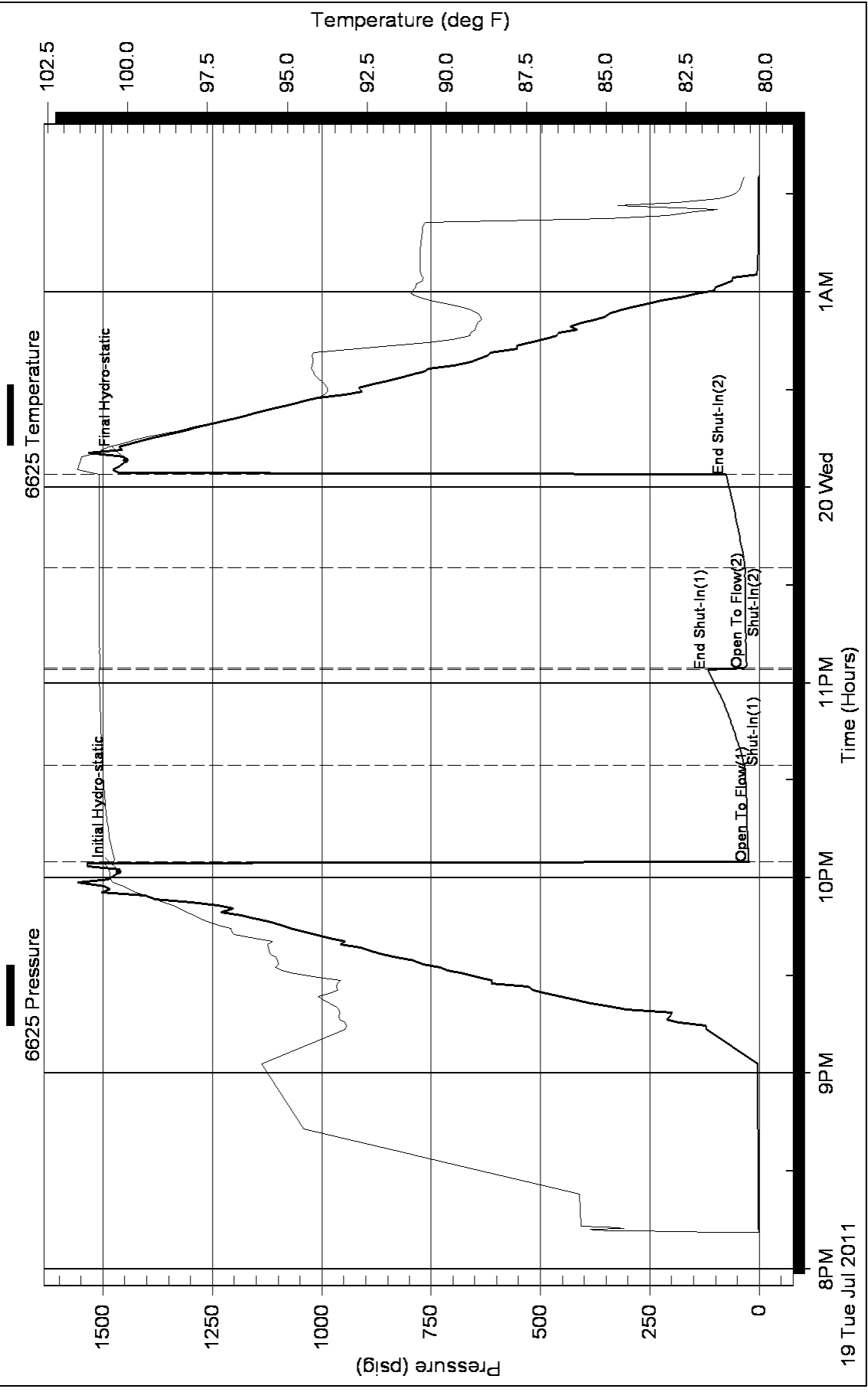
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

ATTN: Leroy Holt II

Job Ticket: 43428

**DST#: 3**

Test Start: 2011.07.20 @ 11:00:47

## GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:12

Time Test Ended: 17:34:11

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 3228.00 ft (KB) To 3274.00 ft (KB) (TVD)**

Reference Elevations: 1945.00 ft (KB)

Total Depth: 3274.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 79.12 psig @ 3238.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.20 End Date: 2011.07.20

Last Calib.: 2011.07.20

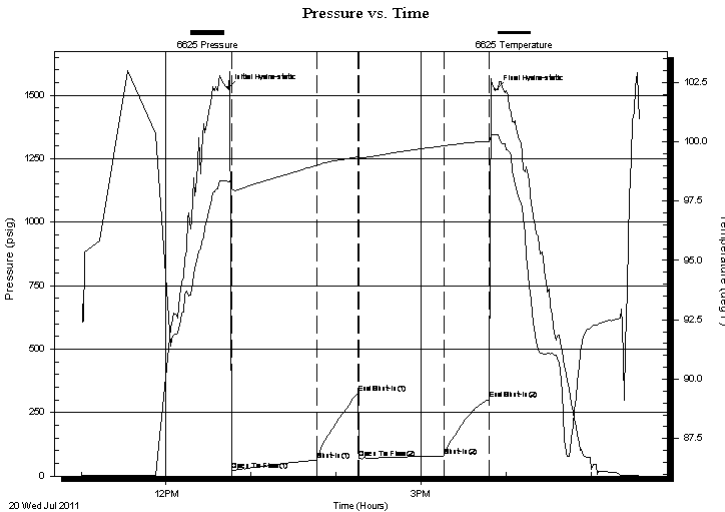
Start Time: 11:00:47 End Time: 17:34:11

Time On Btm: 2011.07.20 @ 12:43:42

Time Off Btm: 2011.07.20 @ 15:52:41

**TEST COMMENT:** 60-IFP-w k to strg in 6 min  
30-ISIP-no bl  
60-FFP-w k to strg in 40 min  
30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1526.30	98.33	Initial Hydro-static
3	23.26	98.05	Open To Flow (1)
63	62.78	99.00	Shut-In(1)
92	325.39	99.36	End Shut-In(1)
93	68.84	99.31	Open To Flow (2)
152	79.12	99.82	Shut-In(2)
185	302.75	100.02	End Shut-In(2)
189	1519.98	100.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	WM 40%W60%M w /show of oil	0.30
90.00	SOCM 1%O99%M	0.72
0.00	960'GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

Job Ticket: 43428

**DST#: 3**

ATTN: Leroy Holt II

Test Start: 2011.07.20 @ 11:00:47

## 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:

63000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.55 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	WM 40%W60%M w/show of oil	0.295
90.00	SOCM 1%O99%M	0.716
0.00	960'GIP	0.000

Total Length: 150.00 ft      Total Volume: 1.011 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

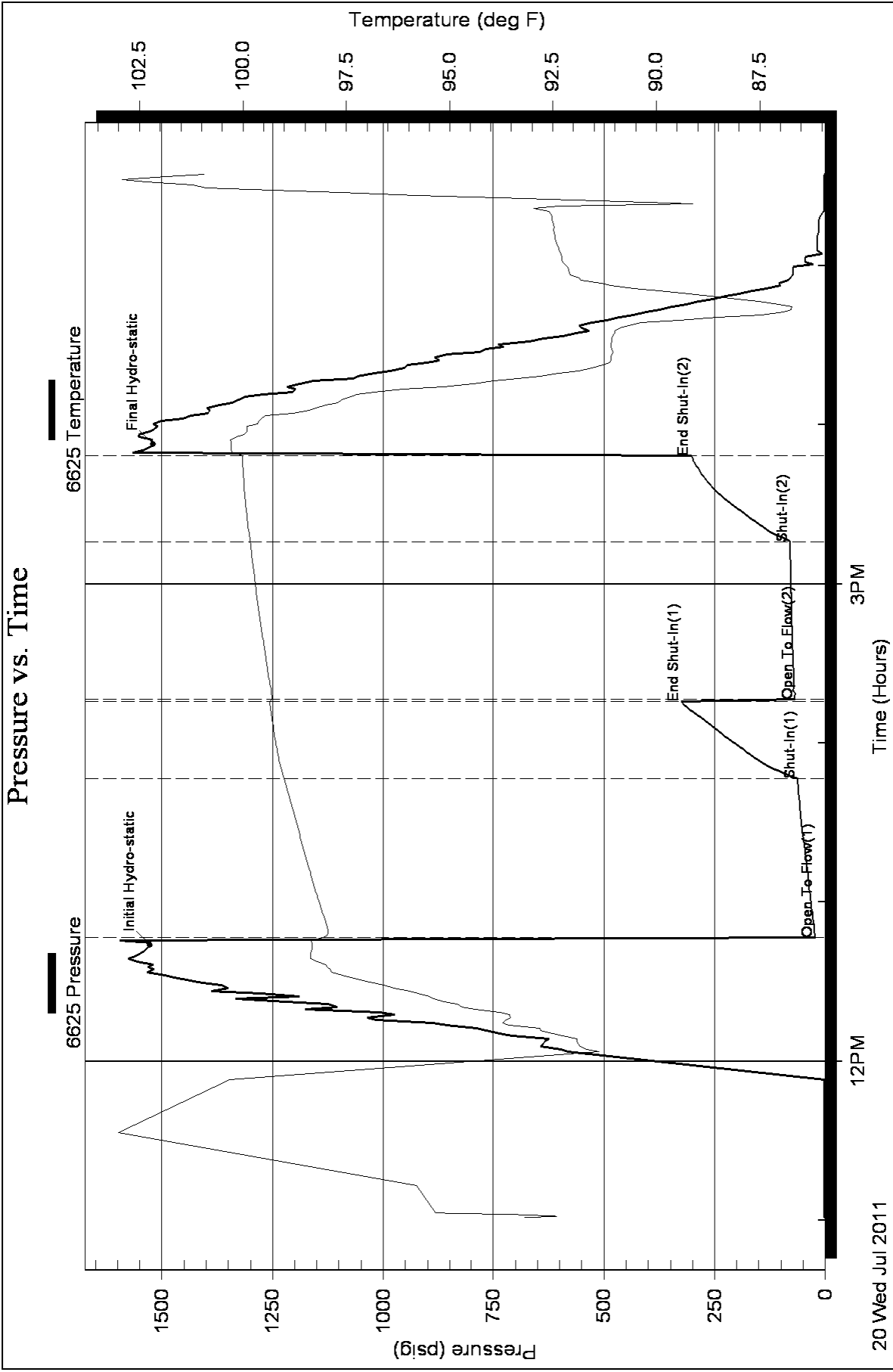
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .12@70F

# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

ATTN: Leroy Holt II

Job Ticket: 43429

**DST#: 4**

Test Start: 2011.07.21 @ 09:10:58

## GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:23

Time Test Ended: 14:03:52

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 3299.00 ft (KB) To 3360.00 ft (KB) (TVD)**

Reference Elevations: 1945.00 ft (KB)

Total Depth: 3360.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 6625**

**Inside**

Press @ Run Depth: 29.42 psig @ 3305.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.21

End Date:

2011.07.21

Last Calib.:

2011.07.21

Start Time: 09:10:58

End Time:

14:03:52

Time On Btm:

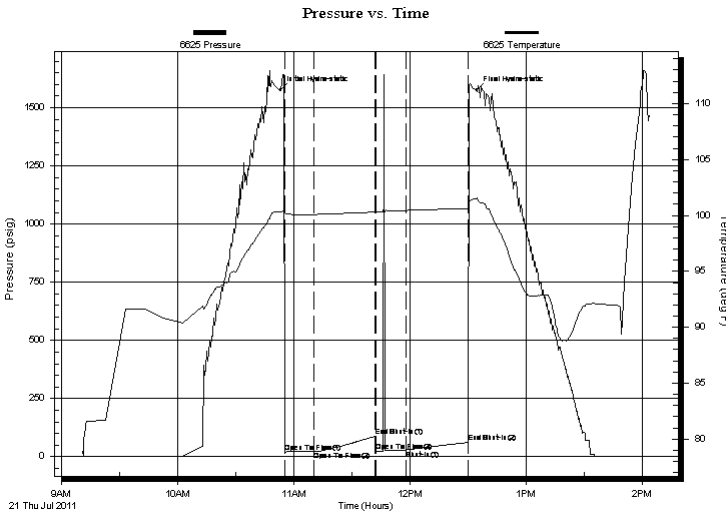
2011.07.21 @ 10:52:53

Time Off Btm:

2011.07.21 @ 12:34:23

**TEST COMMENT:** 15-IFP-surface bl , died in 10min  
30-ISIP-no bl  
15-FFP-no bl , flushed tool ,got surge  
30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1575.80	100.31	Initial Hydro-static
3	20.62	100.19	Open To Flow (1)
18	23.10	100.08	Open To Flow (2)
49	87.30	100.30	End Shut-In(1)
50	24.01	100.29	Open To Flow (3)
65	29.42	100.45	Shut-In(1)
97	60.95	100.61	End Shut-In(2)
102	1574.22	101.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

Job Ticket: 43429

**DST#: 4**

ATTN: Leroy Holt II

Test Start: 2011.07.21 @ 09:10:58

## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

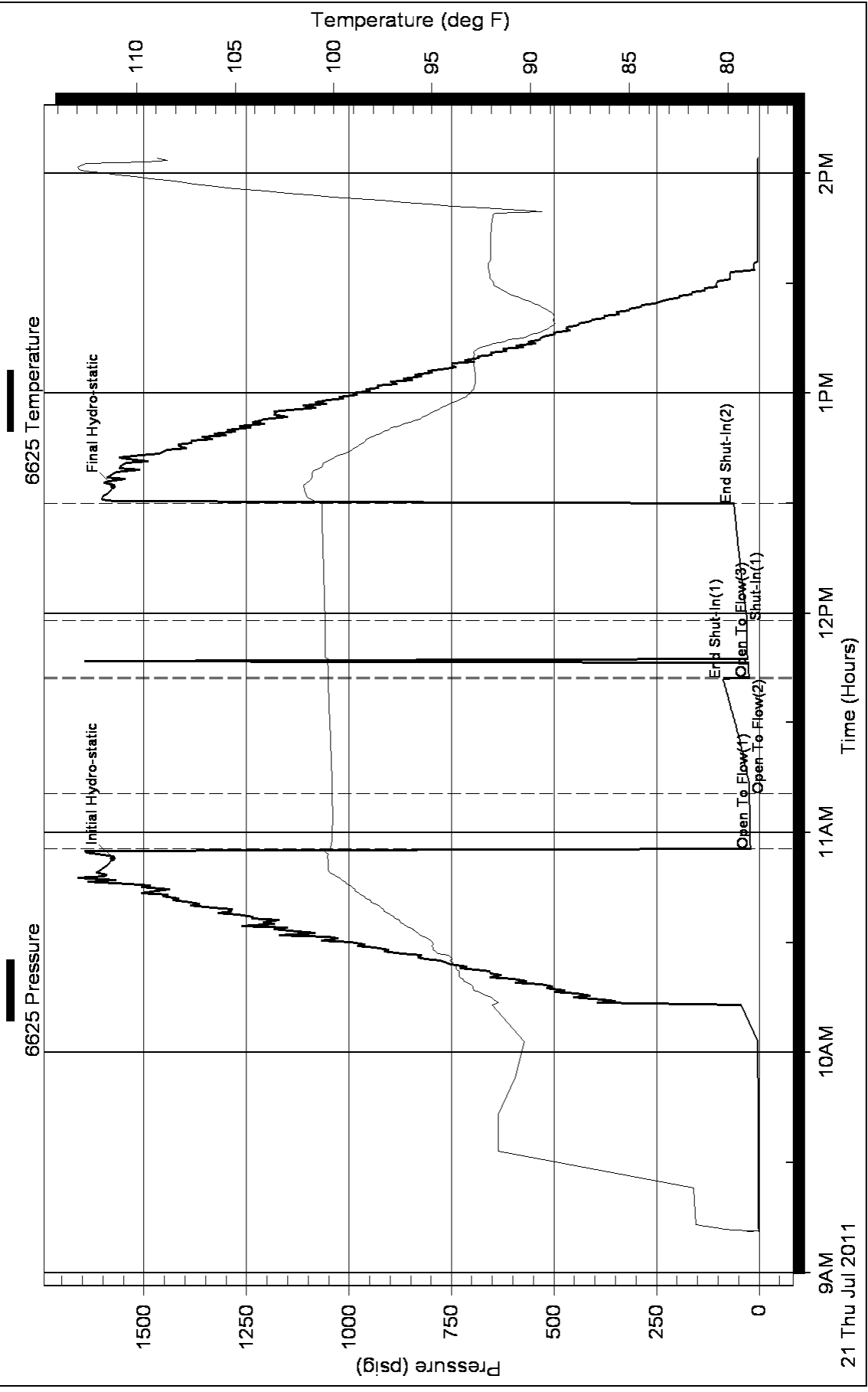
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

ATTN: Leroy Holt II

Job Ticket: 43430

**DST#: 5**

Test Start: 2011.07.22 @ 01:10:42

## GENERAL INFORMATION:

Formation: **LKC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:50:07

Time Test Ended: 07:53:06

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 3360.00 ft (KB) To 3397.00 ft (KB) (TVD)**

Reference Elevations: 1945.00 ft (KB)

Total Depth: 3397.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 110.68 psig @ 3366.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.22 End Date: 2011.07.22

Last Calib.: 2011.07.22

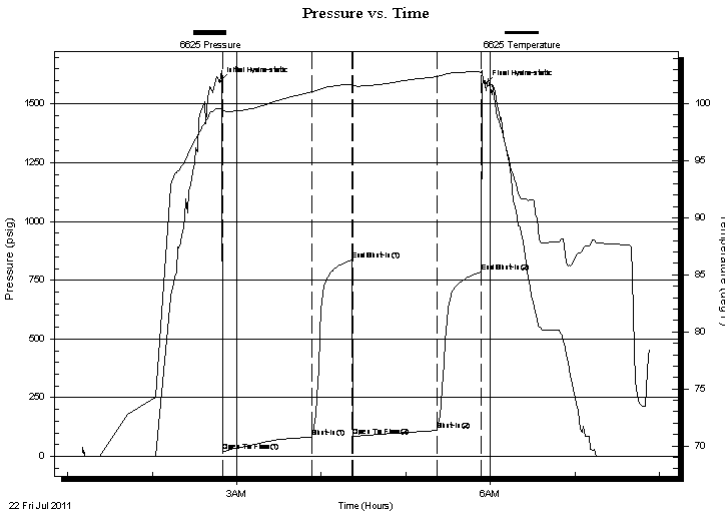
Start Time: 01:10:42 End Time: 07:53:06

Time On Btm: 2011.07.22 @ 02:48:07

Time Off Btm: 2011.07.22 @ 05:56:36

**TEST COMMENT:** 60-IFP-w k to a fr bl 1/2" to 3 1/2" bl  
30-ISIP-no bl  
60-FFP-w k bl 1/4" to 1/2" bl  
30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.19	99.57	Initial Hydro-static
2	20.48	99.42	Open To Flow (1)
65	82.75	101.02	Shut-In(1)
94	836.94	101.72	End Shut-In(1)
95	85.06	101.59	Open To Flow (2)
154	110.68	102.37	Shut-In(2)
186	784.74	102.77	End Shut-In(2)
189	1584.87	102.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Water	0.30
75.00	MW 25%M75%W w/show of oil	0.51
5.00	CO	0.07
0.00	100'GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

Job Ticket: 43430

**DST#: 5**

ATTN: Leroy Holt II

Test Start: 2011.07.22 @ 01:10:42

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

60000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	Water	0.295
75.00	MW 25%M75%W w/show of oil	0.505
5.00	CO	0.070
0.00	100'GIP	0.000

Total Length: 140.00 ft      Total Volume: 0.870 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

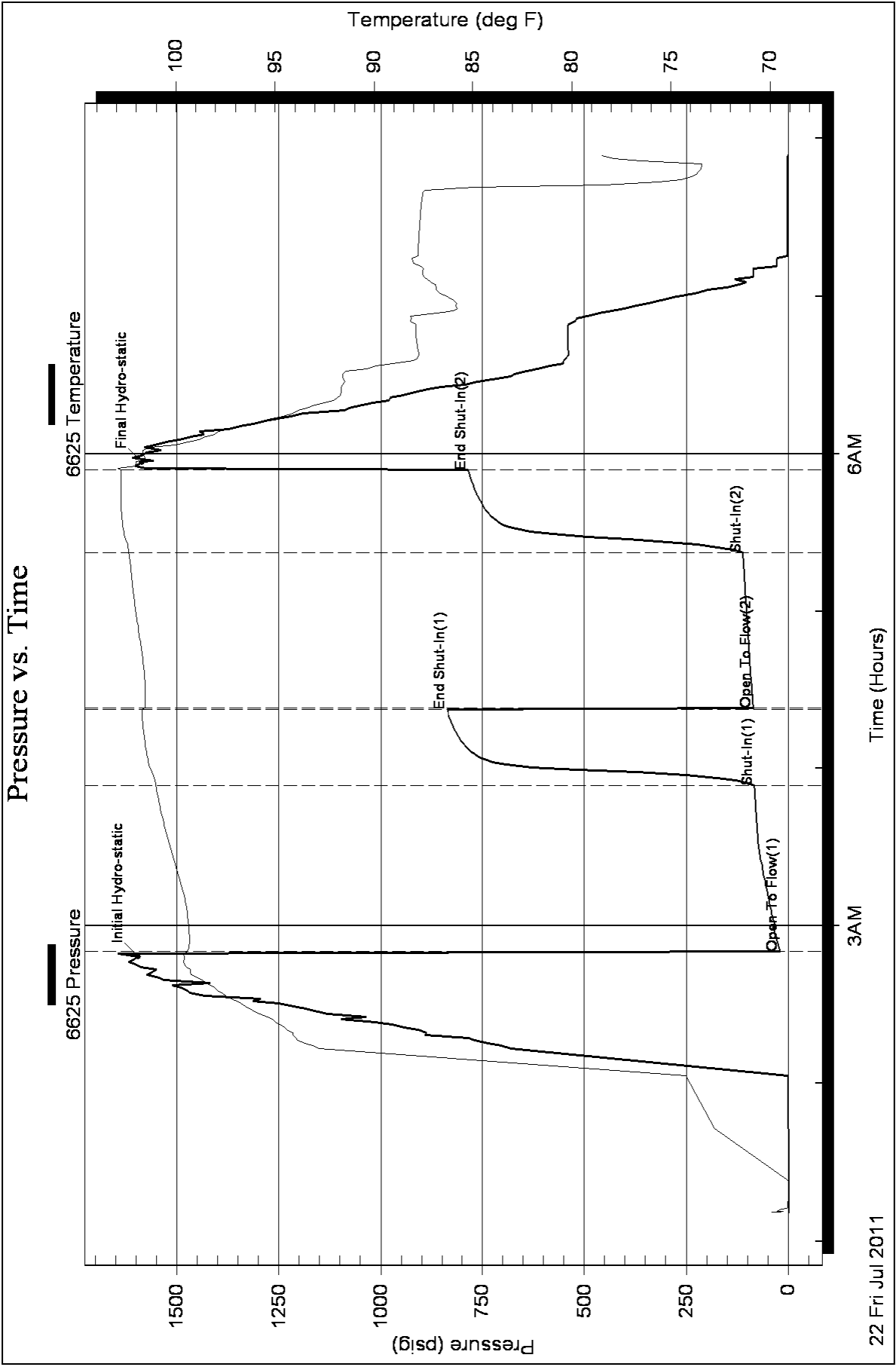
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .11@80F

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

ATTN: Leroy Holt II

Job Ticket: 43431

**DST#: 6**

Test Start: 2011.07.23 @ 02:45:32

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:22:57

Time Test Ended: 09:54:56

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 3396.00 ft (KB) To 3485.00 ft (KB) (TVD)**

Reference Elevations: 1945.00 ft (KB)

Total Depth: 3485.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 893.18 psig @ 3400.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.23

End Date:

2011.07.23

Last Calib.:

2011.07.23

Start Time: 02:45:32

End Time:

09:54:56

Time On Btm:

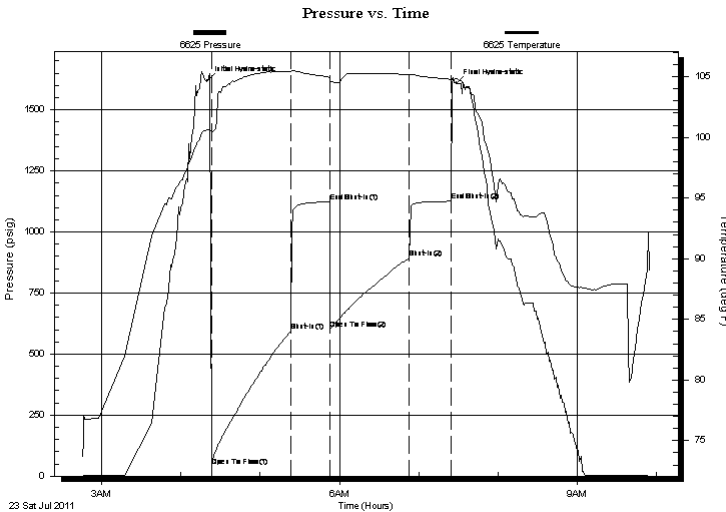
2011.07.23 @ 04:19:57

Time Off Btm:

2011.07.23 @ 07:28:26

**TEST COMMENT:** 60-IFP-strg bl in 4min  
30-ISIP-no bl  
60-FFP-strg bl in 5 min  
30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.30	100.59	Initial Hydro-static
3	38.15	100.43	Open To Flow (1)
64	595.11	105.40	Shut-In(1)
93	1123.83	104.96	End Shut-In(1)
93	601.70	104.77	Open To Flow (2)
153	893.18	105.17	Shut-In(2)
185	1125.61	104.78	End Shut-In(2)
189	1609.14	104.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	MW 20%M80%W w/show of oil	3.26
1620.00	Water	22.72

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc

**Addington #1-1**

P O Box 8050  
Edmond OK 73083

**1-16s-15w Barton**

Job Ticket: 43431

**DST#: 6**

ATTN: Leroy Holt II

Test Start: 2011.07.23 @ 02:45:32

## 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:

24000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	MW 20%M80%W w/show of oil	3.255
1620.00	Water	22.724

Total Length: 1930.00 ft      Total Volume: 25.979 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

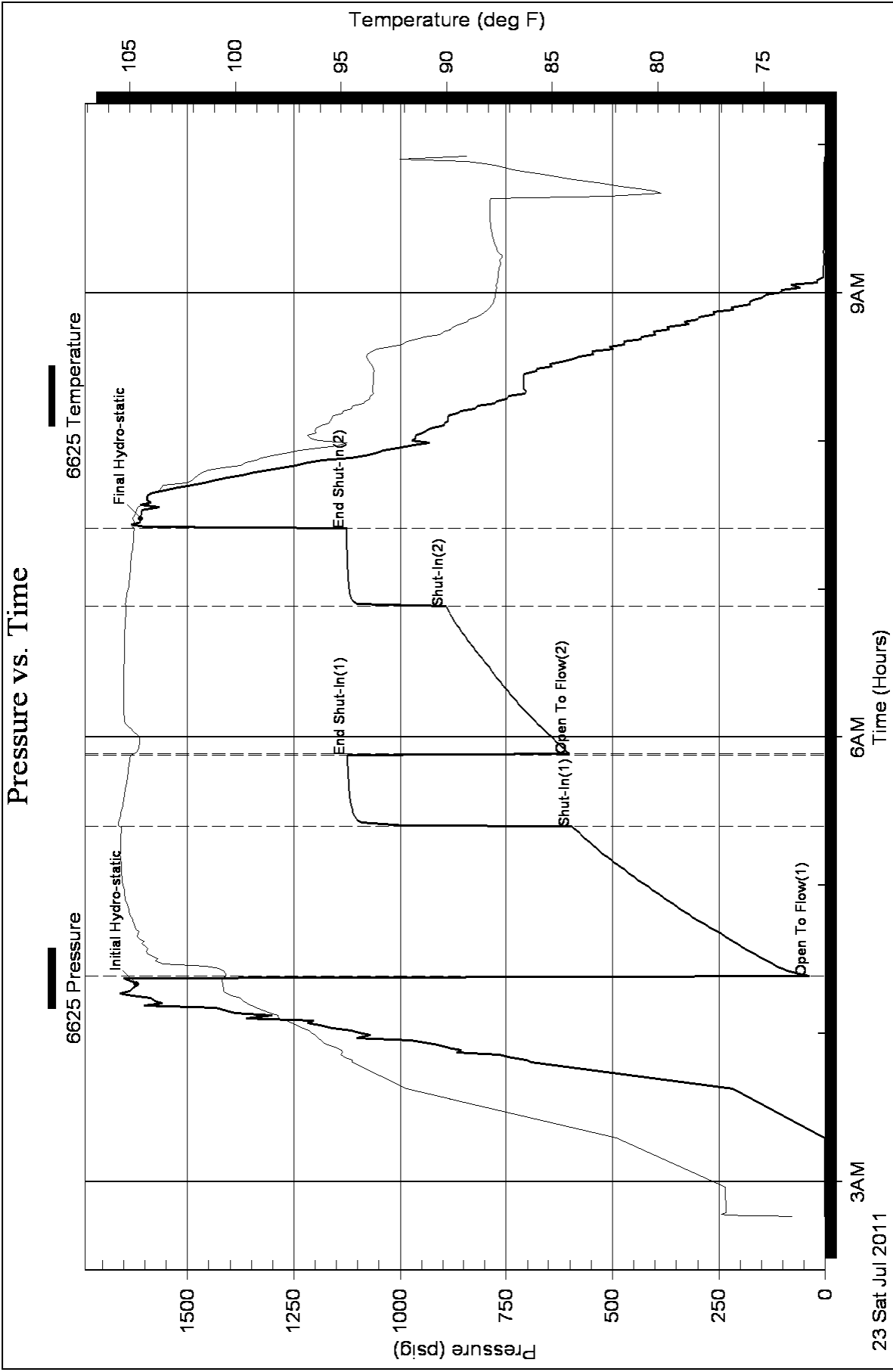
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .28@75F

### Pressure vs. Time



7-24-11	Sec.	Twp.	Range	County	State	On Location	Finish
7-24-11				Barton	Ks		12:30AM
Well No. 1-1	Location		Milberger's 2W 1/2 S				
Tractor	Southwind Rig 4		Owner				
Job	plug		To Quality Oilwell Cementing, Inc.				
Size	1 7/8		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
	T.D. 3485		Charge To				
	Depth		Russell				
	Depth		Street				
	Depth		City				
	Depth		State				
ment Left in Csg.	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.				
as Line	Displace		Cement Amount Ordered				
EQUIPMENT			185 @ 4 1/2 gal 44 Flowseal				
mptrk 9	No.	Cementer	Dave		Common		
		Helper			111		
ctrk 8	No.	Driver	Cory		Poz. Mix		
		Driver			74		
ctrk pu	No.	Driver	Jason		Gel.		
		Driver			6		
JOB SERVICES & REMARKS			Calcium				
marks:			Hulls				
Hole			Salt				
Use Hole			Flowseal 50 #				
tralizers			Kol-Seal				
kets			Mud CLR 48				
or Port Collar			CFL-117 or CD110 CAF 38				
25 skd 3363			Sand				
40 skd 1000			Handling 191				
80 - 500'			Mileage				
FLOAT EQUIPMENT							
10 - 40 wk plug			Guide Shoe				
30 Rot hole			Centralizer				
			Baskets				
			AFU Inserts				
			Float Shoe				
			Latch Down				
			1 Dry Hole plug				
			Pumptrk Charge				
			Mileage 18 plug				
			Tax				
			Discount				
ature	Robert Stevens		Total Charge				

7-15-11	1	16	15	Barren	KS	On Location	12:30pm
Addington		Well No. 1		Location M. Iberger 15 1/2 W 3/4 S Rinto			

tractor <i>Self-Help #4</i>	Owner	
Job <i>Surface</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Size <i>12 1/4</i>	T.D. <i>946</i>	
<i>8 5/8</i>	Depth <i>946</i>	
Size	Depth	
	Street	
	City State	
ment Left in Csg. <i>42.52</i>	Shoe Joint <i>42.52</i>	The above was done to satisfaction and supervision of owner agent or contractor.
as Line	Displace <i>57 1/2 BCL</i>	Cement Amount Ordered <i>375 com 3% cc 2% gel</i>

**EQUIPMENT**

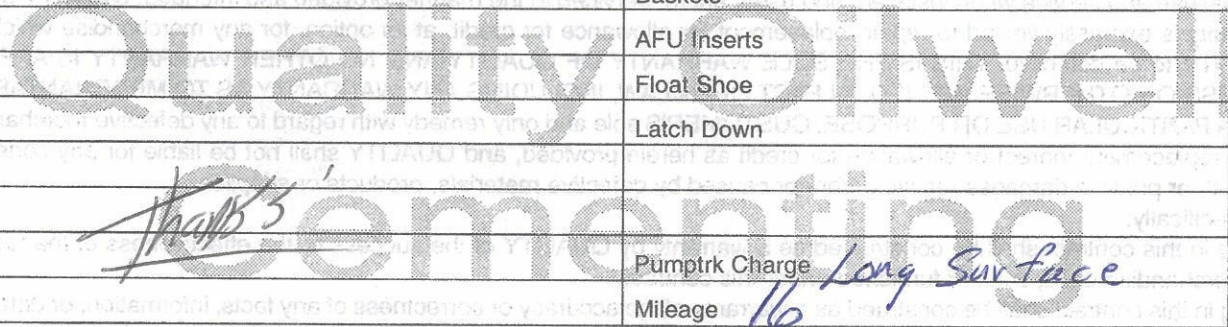
mptrk	No.	Cement Helper <i>Car's</i>	Common <i>375</i>
ctrk	5	Driver <i>Meale</i>	Poz. Mix
ctrk	13	Driver <i>Boon</i>	Gel. <i>7</i>
		Driver <i>Boon</i>	Calcium <i>74</i>

**JOB SERVICES & REMARKS**

marks:	Hulls
Hole	Salt
use Hole	Flowseal
tralizers	Kol-Seal
kets	Mud CLR 48
or Port Collar	CFL-117 or CD110 CAF 38
<i>3 5/8 set @ 946. Raffle @ 903.48</i>	Sand
<i>at Circulation. Mix 375 cc + Displace</i>	Handling <i>396</i>
<i>veg. Cement Circulated.</i>	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	<i>8 5/8 Raffle Plate</i>
Centralizer	<i>Rubber Plug</i>
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	



<i>Thorb's</i>	Pumptrk Charge <i>Long Surface</i>
	Mileage <i>16</i>
ature <i>Robert Stevenson</i>	Tax
	Discount
	Total Charge



7-15-11	1	16	15	Barren	KS	On Location	12:30pm
Add: ng-ton		Well No. 1		Location M.1 beyer 15 1/2 W 3/4 S Rinto			

tractor <i>Self-Help #4</i>	Owner	
Job <i>Surface</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Size <i>12 1/4</i>	T.D. <i>946</i>	
<i>8 5/8</i>	Depth <i>946</i>	
Size	Depth	
	Street	
	City State	
ment Left in Csg. <i>42.52</i>	Shoe Joint <i>42.52</i>	The above was done to satisfaction and supervision of owner agent or contractor.
as Line	Displace <i>57 1/2 BCL</i>	Cement Amount Ordered <i>375 com 3% cc 2% gel</i>

**EQUIPMENT**

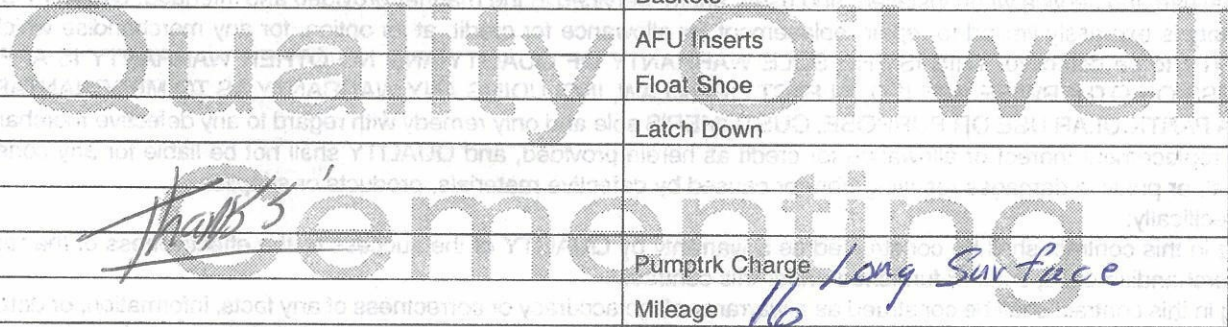
mptrk	No.	Cementer <i>Caris</i>	Helper	Common <i>375</i>
ctrk	5	Driver <i>Meale</i>	Driver	Poz. Mix
ctrk	13	Driver <i>Booy</i>	Driver	Gel. <i>7</i>

**JOB SERVICES & REMARKS**

marks:	Hulls
Hole	Salt
use Hole	Flowseal
tralizers	Kol-Seal
kets	Mud CLR 48
or Port Collar	CFL-117 or CD110 CAF 38
<i>3 5/8 set @ 946. Raffle @ 903.48</i>	Sand
<i>at Circulation. Mix 375 cc + Displace</i>	Handling <i>396</i>
<i>veg. Cement Circulated.</i>	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	<i>8 5/8 Raffle Plate</i>
Centralizer	<i>Rubber Plug</i>
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	



<i>Shank's</i>	Pumptrk Charge <i>Long Surface</i>
	Mileage <i>16</i>
ature <i>Robert Stevenson</i>	Tax
	Discount
	Total Charge

# GEOLOGICAL REPORT

DRILLING TIME

S.D. ANGLE - COPYRIGHT 2011

SAMPLE LOG

COMPANY Russell Oil, Inc.  
LEASE Addington  
WELL NO. 1-1  
LOCATION 1080' F5h + 330' F4h  
SEC 1 TWN 165 RNG 15W  
COUNTY Barton STATE Kansas  
POOL Galatia North  
API NO. 15-009-25592-00-00

## ELEVATIONS

KB 1945

DF \_\_\_\_\_

GL 1938

## MEASUREMENT FROM

Top of KB

PIPE STRAP @ 3260'  
.83' short of  
PIPE BOARD.

CONTRACTOR Southwind Rig #4  
COMMENCED July 14, 2011  
COMPLETED July 23, 2011  
RTD July 22, 2011  
MUD Chemical, MUD-CO, INC.  
SAMPLES FROM 2700' TO 3485'  
DRILLING TIME FROM 2700' TO 3485'  
SUPERVISION FROM 2700' TO 3485'  
GEOLOGIST STEVEN D. ANGLE

## CASING RECORD

SURFACE New 8 5/8"  
Set @ 946' w/ 375  
5x conn + 276 gal  
370 cc. CDC.

PRODUCTION None  
Dry + Abandoned

REMARKS Rig on 7' substructure.  
KB = BH + 7'

All formation tops, zones of interest, porosity, shows and sample time lag are based from the top of Kelly Bushing measurements. Any corrections in measurements during the drilling of this well have been incorporated into this report.

ORIGINAL Sincerely,

COPY Steven D. Angle  
W.B.C.

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S.D. Angle - Copyright 2011

### FORMATION TOPS

DATUM ELEVATION 1945 KB

FORMATION	SAMPLE	FLOG	DATUM	WELL A	WELL B
Topok		2873'	- 928		
Hebner		3101'	- 1156		
Tonvntb		3119'	- 1174		
Douglass		3136'	- 1191		
Kansing/KC		3164'	- 1219		
Base/KC		3396'	- 1451		
Arbuckle		3483'	- 1538		
Roby/TM/Dayth.		3485'	- 1540		

### DAILY PENETRATION

DEPTH	@	TIME	ON	DATE
UNDER Surface		1:00 A.M.		7-16-2011
1800'		7:00 A.M.		7-16-2011
2872'		7:00 A.M.		7-17-2011
2940'		7:00 A.M.		7-18-2011
3128'		2:00 A.M.		7-19-2011
3263'		7:00 A.M.		7-20-2011
3320'		7:00 A.M.		7-21-2011
3397'		7:00 A.M.		7-22-2011
3485'		11:43 P.M.		7-22-2011

### MUD RECORD

DEPTH	TYPE & AMOUNTS
2042'	121 5X Gel, 115X Soda Ash, 55X caustic Soda, 5 5X lignite, 1 2/3 5X Dvns Pac.
2740'	245X Gel, 45X Soda Ash, 25X caustic Soda, 25X lignite, 2/3 5X Dvns Pac.
3228'	115X Gel, 15X Soda Ash, 15X caustic Soda, 1/2 5X lignite, 1/2 5X Dvns Pac.
3295'	305X Gel, 25X caustic Soda, 15X Soda Ash, 1/2 5X lignite, 1/2 5X Dvns Pac.
3397'	145X Gel, 15X Soda Ash, 25X caustic Soda, 1/2 5X lignite, 15X Dvns Pac.
3490'	185X Gel, 35X Soda Ash, 25X caustic Soda, 1 5X Dvns Pac.

### CORRELATION WELLS

A.	
B.	

**DRILLING INFORMATION**

DRILLING CONTR: Southwind Drilling Rig #4

PHONE: \_\_\_\_\_

DRILLER: Robert A. Stevenson

PHONE: \_\_\_\_\_

DRILLERS - DAYLIGHT TOUR: Ricort Babcock

EVENING TOUR: Jonathan Ames

MORNING TOUR: Shawn EPP

START DATE: 7-14-2011 DATE OF RTD: 7- -2011

WELL DIRECTIONS: 1 mile South Milkberry, N.E. 2 West  
1/2 South, East into location.

DRILL PIPE: RAN 22 JTS, New 23# 8 7/8", SCT @  
46' w/375 ex Common + 20 gal, 3% cc Cement Cmc.

WELL STATUS: \_\_\_\_\_

REDUCTION CASING: \_\_\_\_\_

DRILLING MUD CONTR: MUD-Co, Chemical mud

DRILL STEM TESTING: Triplicate, Ray Schwinger

WELL # 785-650-9628

CEMENTING: Surface Bq Quality Cementing.

ELECTRIC LOGGING: ADG-Tech, Ran Dual Induction,  
Neenerisitivity + Dual Compensated Porosity,  
Operator: B. Becker

**BIT RECORD**

PURPOSE	SIZE	MAKE	TYPE	IN	OUT	JETS	PUMP
Surface	12 1/4"	Reed	HP11	0	946	3/15'	600#
Bore	7 7/8"	Reed	5-52	946	3485	14.445'	750#

DST NO. 1 INTERVAL 3041 TO 3100 TYPE Archer 59' TIMES 30 - 30 - 30 - 30

Blow: Weak - died in 25 minutes. ST - no return blow. 2nd.

Rec: Surface blow - died in 20 minutes. ST no return blow. 70' oil cut mud (10% oil - 90% mud).

IF/FF 20 - 34 SIF/FFF 44 - 57 IS/FSI 910 - 862 IH/FH 1459 - 1451 Temp: 101°f

DST NO. 2 INTERVAL 3096 TO 3228 TYPE Archer 132' TIMES 30 - 30 - 30 - 30

Blow: Weak blow - died in 25 minutes. ST - no return blow. 2nd surface

Rec: 20' of mud

IF/FF 23 - 33 SIF/FFF 33 - 33 IS/FSI 116 - 76 IH/FH 1463 - 1447 Temp: 100°f

DST NO. 3 INTERVAL 3228 TO 3274 TYPE Archer 46' TIMES 60 - 30 - 60 - 30

Blow: Weak to Strong - R.O.B. in 6 minutes. ST - no return blow. 2nd

Rec: 960' Gas in Pipe, 90' slightly oil cut mud (19% oil - 99% mud), 60' water  
Mixed w/ show of oil (40% water - 60% mud) Chibides 63000 P.M.

IF/FF 23 - 62 SIF/FFF 68 - 79 IS/FSI 325 - 302 IH/FH 1526 - 1519 Temp: 100°f



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 few white thin, sd clasts  
 Tan - tan ls  
 white - grey tan ls -  
 couple white sd clasts  
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