



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1137341
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
-----------------------------------	-----------------	---

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: _____



1137341

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
--	---

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

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Ames 6
Doc ID	1137341

All Electric Logs Run

COMPUTER PROCESSED INTERPRETATION
DUAL INDUCTION
DUAL COMPENSATED POROSITY
MICRORESISTIVITY
SECTOR BOND LOG

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Ames 6
Doc ID	1137341

Tops

Name	Top	Datum
ANHYDRITE	568	+1218
BASE ANHYDRITE	588	+1198
TOPEKA	2636	-850
HEEBNER	2894	-1108
TORONTO	2914	-1128
DOUGLAS SHALE	2922	-1136
BROWN LIME	3010	-1224
LANSING	3025	-1239
MUNCIE CREEK	3153	-1367
BASE KC	3288	-1502
ARBUCKLE	3311	-1525



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc.
 P.O. Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

22-18s.-11w.
Ames #6
 Job Ticket: 49716 **DST#: 1**
 Test Start: 2013.01.20 @ 14:51:55

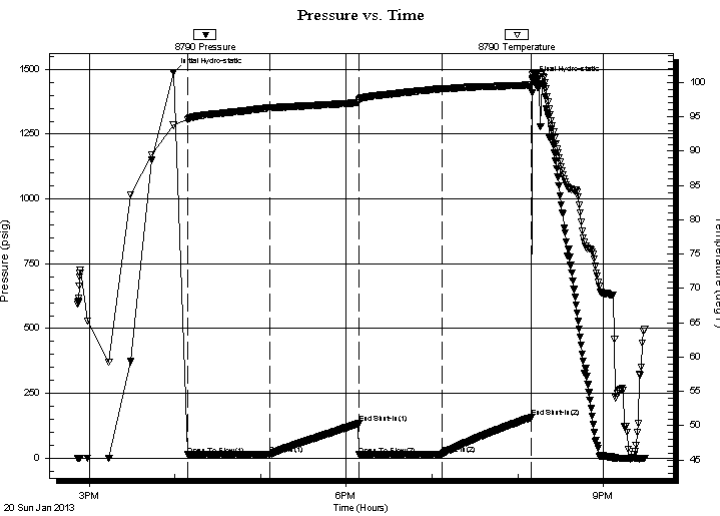
GENERAL INFORMATION:

Formation: **Lansing A**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 16:08:55
 Time Test Ended: 21:28:40
 Interval: **3016.00 ft (KB) To 3050.00 ft (KB) (TVD)**
 Total Depth: 3050.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ryan Reynolds
 Unit No: 63
 Reference Elevations: 1786.00 ft (KB)
 1776.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8790

Press @ Run Depth: 15.30 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.20 End Date: 2013.01.20 Last Calib.: 2013.01.20
 Start Time: 14:52:00 End Time: 21:28:39 Time On Btm: 2013.01.20 @ 15:58:55
 Time Off Btm: 2013.01.20 @ 20:10:10

TEST COMMENT: IF: Fair blow . 1/2" - 5 1/2"
 IS: No blow
 FF: Fair blow . 2" - 4 1/2"
 FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1488.33	93.80	Initial Hydro-static
10	12.11	94.57	Open To Flow (1)
68	14.01	96.33	Shut-In(1)
130	132.87	97.07	End Shut-In(1)
130	12.44	97.28	Open To Flow (2)
188	15.30	99.10	Shut-In(2)
251	156.76	99.65	End Shut-In(2)
252	1458.30	101.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drig mud 100% mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

22-18s.-11w.

P.O. Box 8050
Edmond, OK 73083

Ames #6

Job Ticket: 49716

DST#: 1

ATTN: Kitt Noah

Test Start: 2013.01.20 @ 14:51:55

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:

7500 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drig mud 100% mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

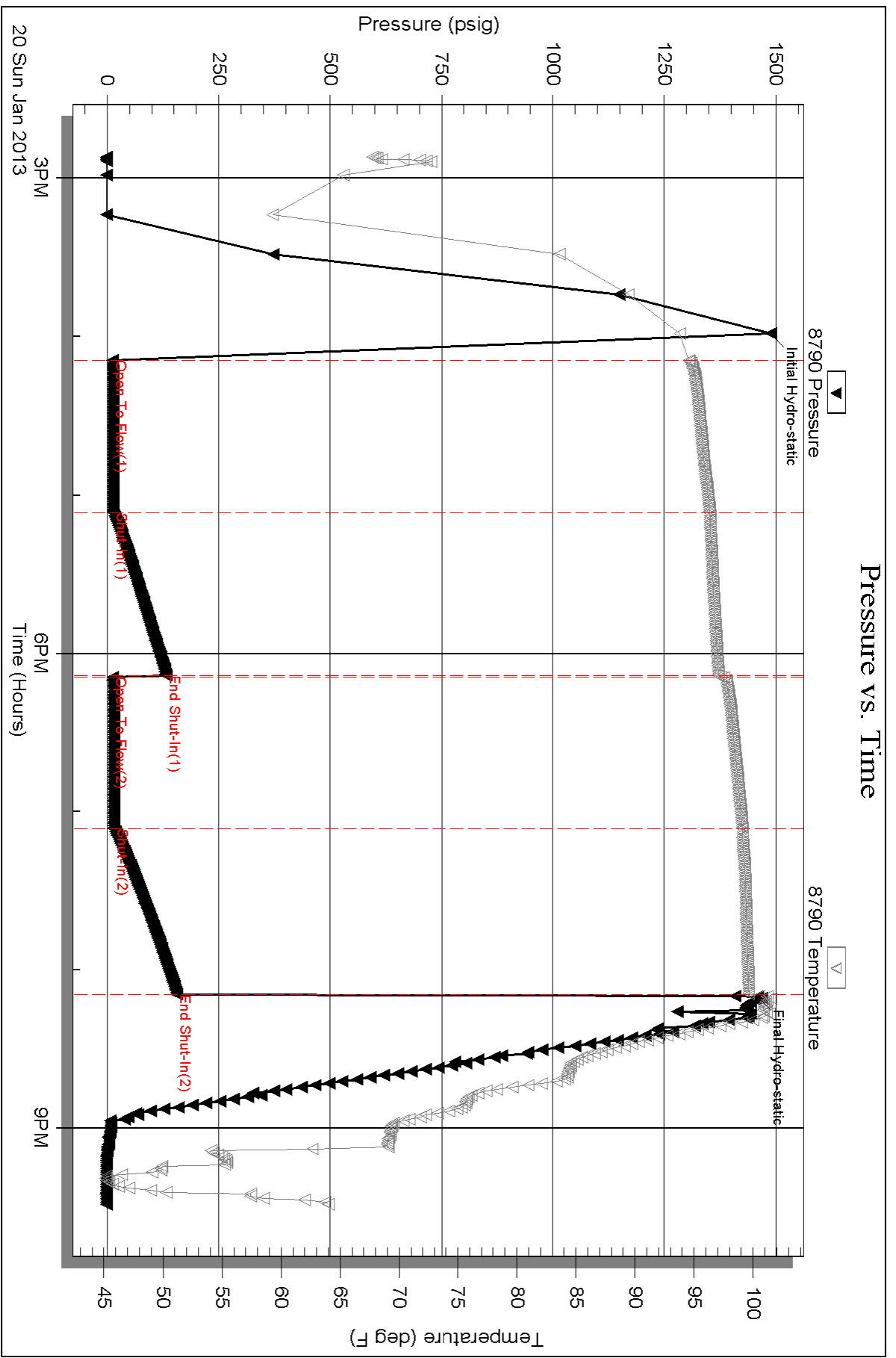
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc.
P.O. Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

22-18s.-11w.
Ames #6
Job Ticket: 49717 **DST#: 2**
Test Start: 2013.01.21 @ 02:54:43

GENERAL INFORMATION:

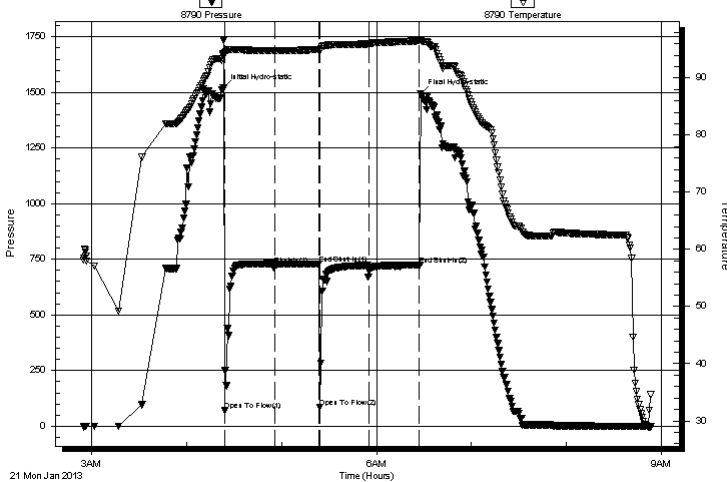
Formation: **LKC "B"**
Deviated: **No** Whipstock: **0.00 ft (KB)**
Time Tool Opened: 04:23:58
Time Test Ended: 08:53:43
Interval: 3046.00 ft (KB) To 3064.00 ft (KB) (TVD)
Total Depth: 3064.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 63
Reference Elevations: 1786.00 ft (KB)
1776.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8790 Inside

Press @RunDepth: 695.07 psig @ 3047.00 ft (KB)
Start Date: 2013.01.21 End Date: 2013.01.21
Start Time: 02:54:48 End Time: 08:53:42
Capacity: 8000.00 psig
Last Calib.: 2013.01.21
Time On Btm: 2013.01.21 @ 04:23:13
Time Off Btm: 2013.01.21 @ 06:27:58

TEST COMMENT: IF: Weak blow . 1/2" - Dead in 20min.
IS: No blow
FF: Weak blow . Surf. - Dead in 5min.
FS: No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1519.54	94.19	Initial Hydro-static
1	69.92	94.14	Open To Flow (1)
33	725.94	94.79	Shut-In(1)
61	730.70	95.00	End Shut-In(1)
61	85.74	94.81	Open To Flow (2)
92	695.07	96.03	Shut-In(2)
124	725.77	96.52	End Shut-In(2)
125	1494.61	96.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	drlg mud 100% mud	0.21

* 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.

22-18s.-11w.

P.O. Box 8050
Edmond, OK 73083

Ames #6

Job Ticket: 49717

DST#: 2

ATTN: Kitt Noah

Test Start: 2013.01.21 @ 02:54:43

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:

7500 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	drlg mud 100% mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Tool plugged off on both flow periods.

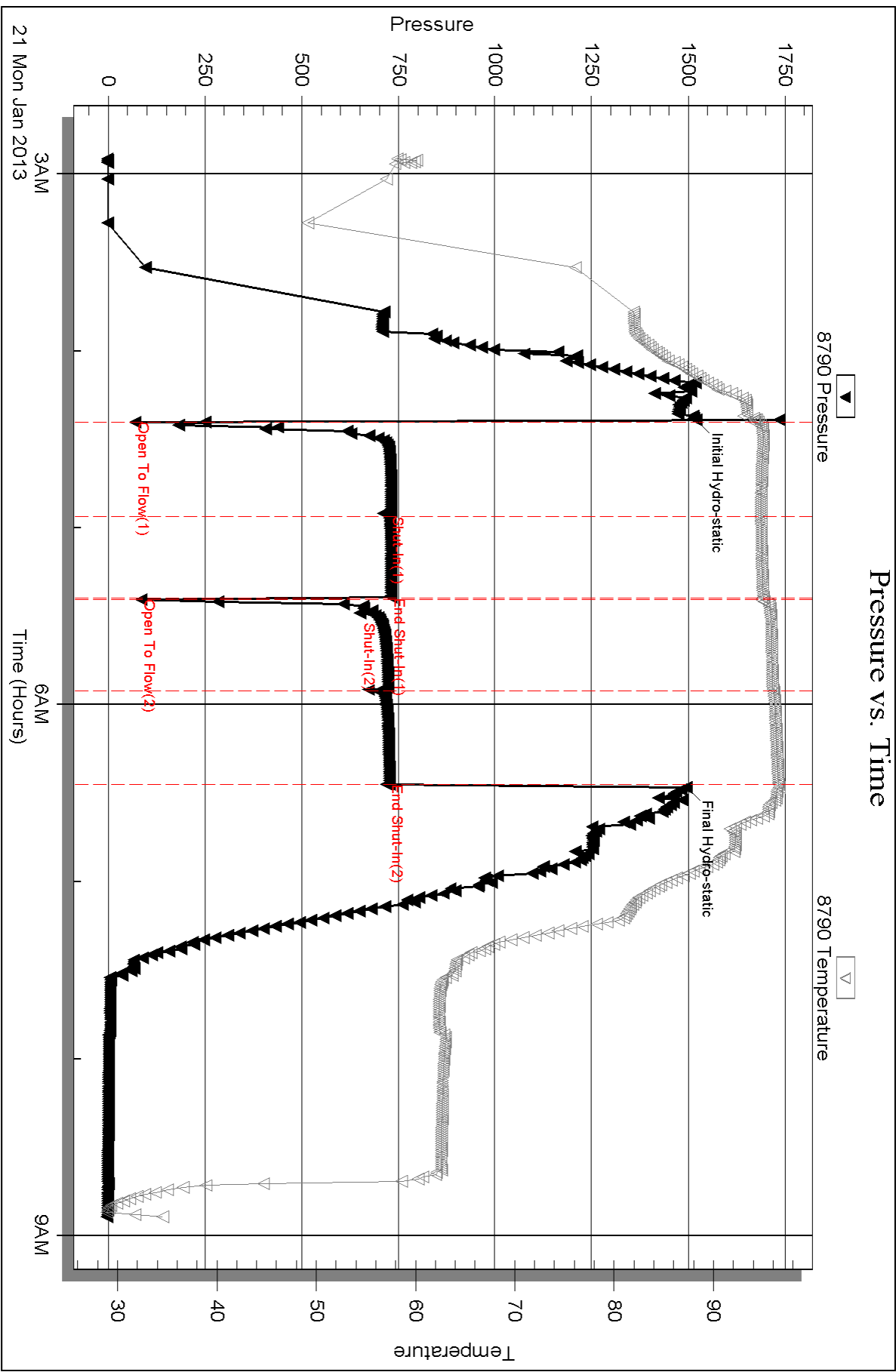
Serial #: 8790

Inside

Russell Oil, Inc.

Ames #6

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc.
 P.O. Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

22-18s.-11w.
Ames #6
 Job Ticket: 49718 **DST#: 3**
 Test Start: 2013.01.21 @ 21:08:07

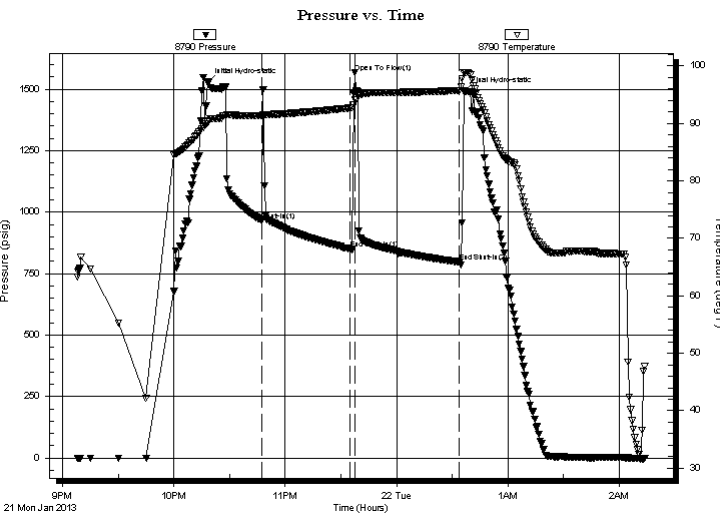
GENERAL INFORMATION:

Formation: **LKC "F-G"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 23:37:37
 Time Test Ended: 02:14:07
 Interval: **3117.00 ft (KB) To 3135.00 ft (KB) (TVD)**
 Total Depth: 3135.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 63
 Reference Elevations: 1786.00 ft (KB)
 1776.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8790

Press @ RunDepth: 796.84 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.21 End Date: 2013.01.22 Last Calib.: 2013.01.22
 Start Time: 21:08:12 End Time: 02:14:06 Time On Btm: 2013.01.21 @ 22:18:07
 Time Off Btm: 2013.01.22 @ 00:36:07

TEST COMMENT: IF: Weak blow . 1/4" - Dead in 15min. Flushed tool 20min. Into, No blow
 IS: No blow
 FF: No blow . Flushed tool 5min. into. No blow
 FS: No blow (Tool plugged throughout test)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1527.59	90.23	Initial Hydro-static
30	965.70	91.41	Shut-In(1)
77	851.46	92.69	End Shut-In(1)
80	1568.35	94.15	Open To Flow (1)
136	796.84	95.77	End Shut-In(2)
138	1490.63	98.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00		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.

22-18s.-11w.

P.O. Box 8050
Edmond, OK 73083

Ames #6

Job Ticket: 49718

DST#: 3

ATTN: Kitt Noah

Test Start: 2013.01.21 @ 21:08:07

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00		0.000

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0

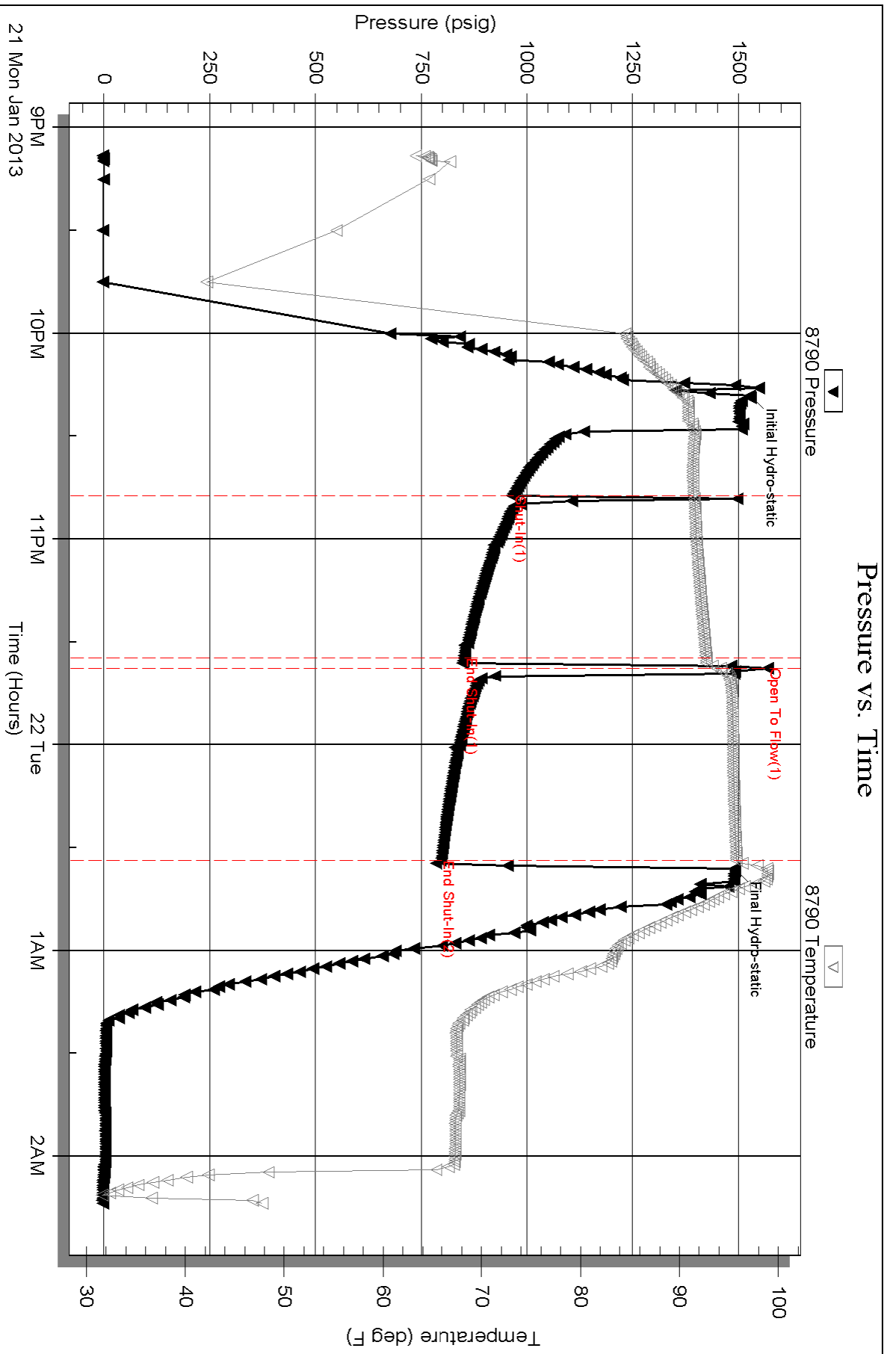
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc.
P.O. Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

22-18s.-11w.
Ames #6
Job Ticket: 49719 **DST#: 4**
Test Start: 2013.01.22 @ 07:04:09

GENERAL INFORMATION:

Formation: **LKC "F-G"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 08:52:39
 Time Test Ended: 13:40:24
 Interval: **3117.00 ft (KB) To 3135.00 ft (KB) (TVD)**
 Total Depth: 3135.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 63
 Reference Elevations: 1786.00 ft (KB)
 1776.00 ft (CF)
 KB to GR/CF: 10.00 ft

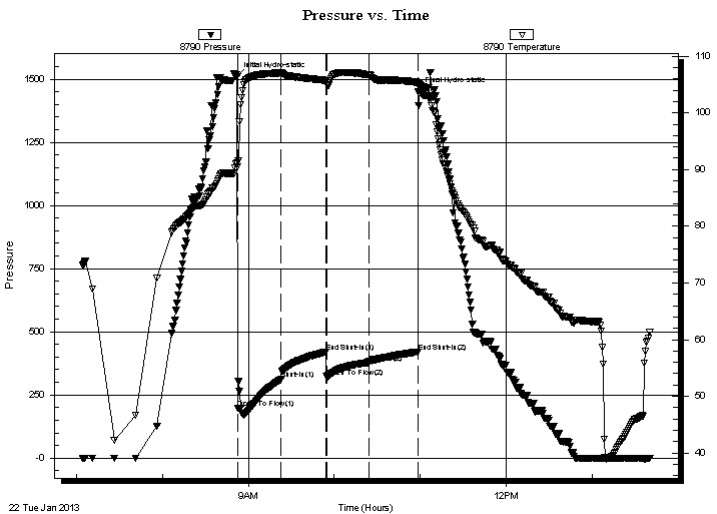
Serial #: 8790

Inside

Press @ Run Depth: 378.03 psig @ 3118.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.22 End Date: 2013.01.22 Last Calib.: 2013.01.22
 Start Time: 07:04:14 End Time: 13:40:23 Time On Btm: 2013.01.22 @ 08:52:09
 Time Off Btm: 2013.01.22 @ 10:58:39

TEST COMMENT: IF: Strong blow . BOB 30sec. No GTS
 IS: Strong blow . BOB 26min. No GTS
 FF: Strong blow . BOB immed. No GTS
 FS: Strong blow . BOB 24min. No GTS

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1511.57	91.16	Initial Hydro-static
1	198.02	90.51	Open To Flow (1)
31	311.07	107.05	Shut-In(1)
62	419.74	105.72	End Shut-In(1)
63	321.50	105.65	Open To Flow (2)
92	378.03	106.76	Shut-In(2)
126	420.26	105.39	End Shut-In(2)
127	1452.03	105.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
230.00	OGCW 5%oil, 10%gas, 85%w tr	3.23
335.00	GOCW 10%gas, 30%oil, 60%w tr	4.70
125.00	GOCM 20%gas, 30%oil, 50%mud	1.75
270.00	OMVG 15%oil, 20%mud, 25%w tr, 40%g	3.79
95.00	SLI OWCGM trc%oil, 5%w tr, 30%gas,	651.33id

* 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.

22-18s.-11w.

P.O. Box 8050
Edmond, OK 73083

Ames #6

Job Ticket: 49719

DST#: 4

ATTN: Kitt Noah

Test Start: 2013.01.22 @ 07:04:09

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:

77000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
230.00	OGCW 5%oil, 10%gas, 85%w tr	3.226
335.00	GOCW 10%gas, 30%oil, 60%w tr	4.699
125.00	GOCM 20%gas, 30%oil, 50%mud	1.753
270.00	OMWG 15%oil, 20%mud, 25%w tr, 40%gas	3.787
95.00	SLI OWCGM trc%oil, 5%w tr, 30%gas, 65%mi	1.333

Total Length: 1055.00 ft

Total Volume: 14.798 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

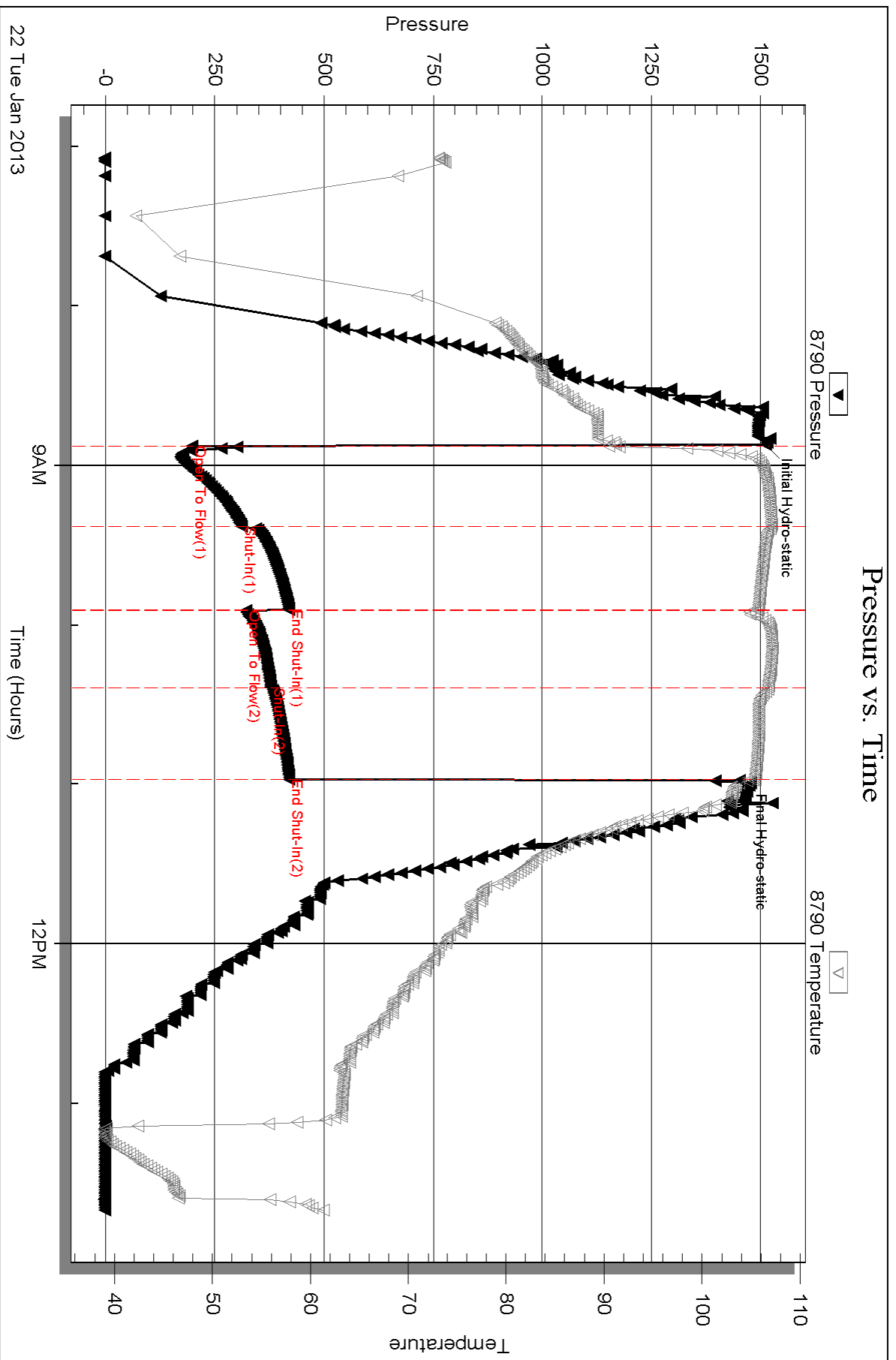
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc.
 P.O. Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

22-18s.-11w.
Ames #6
 Job Ticket: 49720 **DST#: 5**
 Test Start: 2013.01.23 @ 00:27:43

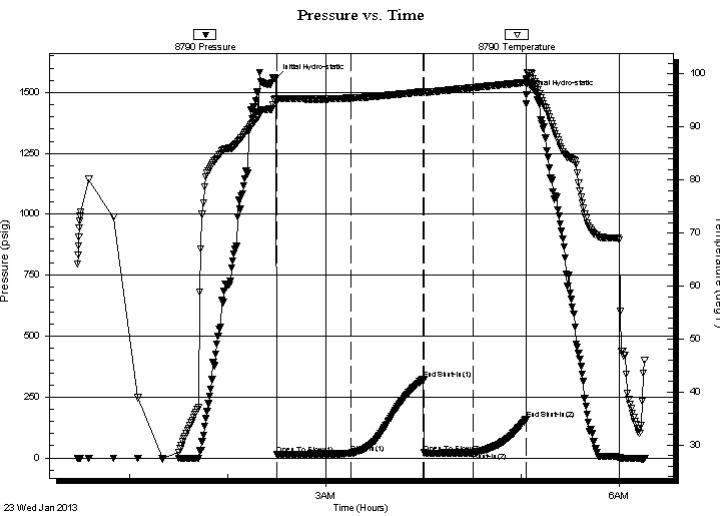
GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 02:29:58
 Time Test Ended: 06:15:58
Interval: 3196.00 ft (KB) To 3230.00 ft (KB) (TVD)
 Total Depth: 3230.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Reynolds
 Unit No: 63
 Reference Elevations: 1786.00 ft (KB)
 1776.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8790

Press @ RunDepth: 21.76 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.23 End Date: 2013.01.23 Last Calib.: 2013.01.23
 Start Time: 00:27:48 End Time: 06:15:57 Time On Btm: 2013.01.23 @ 02:29:28
 Time Off Btm: 2013.01.23 @ 05:03:13

TEST COMMENT: IF: Weak blow . 1/4" - 1" - Dead @ 32min.
 IS: No blow
 FF: No blow
 FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.73	95.44	Initial Hydro-static
1	14.15	95.11	Open To Flow (1)
46	18.46	95.45	Shut-In(1)
91	324.24	96.62	End Shut-In(1)
91	20.93	96.53	Open To Flow (2)
121	21.76	97.41	Shut-In(2)
154	157.61	98.42	End Shut-In(2)
154	1491.09	98.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig Mud 100% mud	0.14

* 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.

22-18s.-11w.

P.O. Box 8050
Edmond, OK 73083

Ames #6

Job Ticket: 49720

DST#: 5

ATTN: Kitt Noah

Test Start: 2013.01.23 @ 00:27:43

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:

13200 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 13200.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig Mud 100%mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

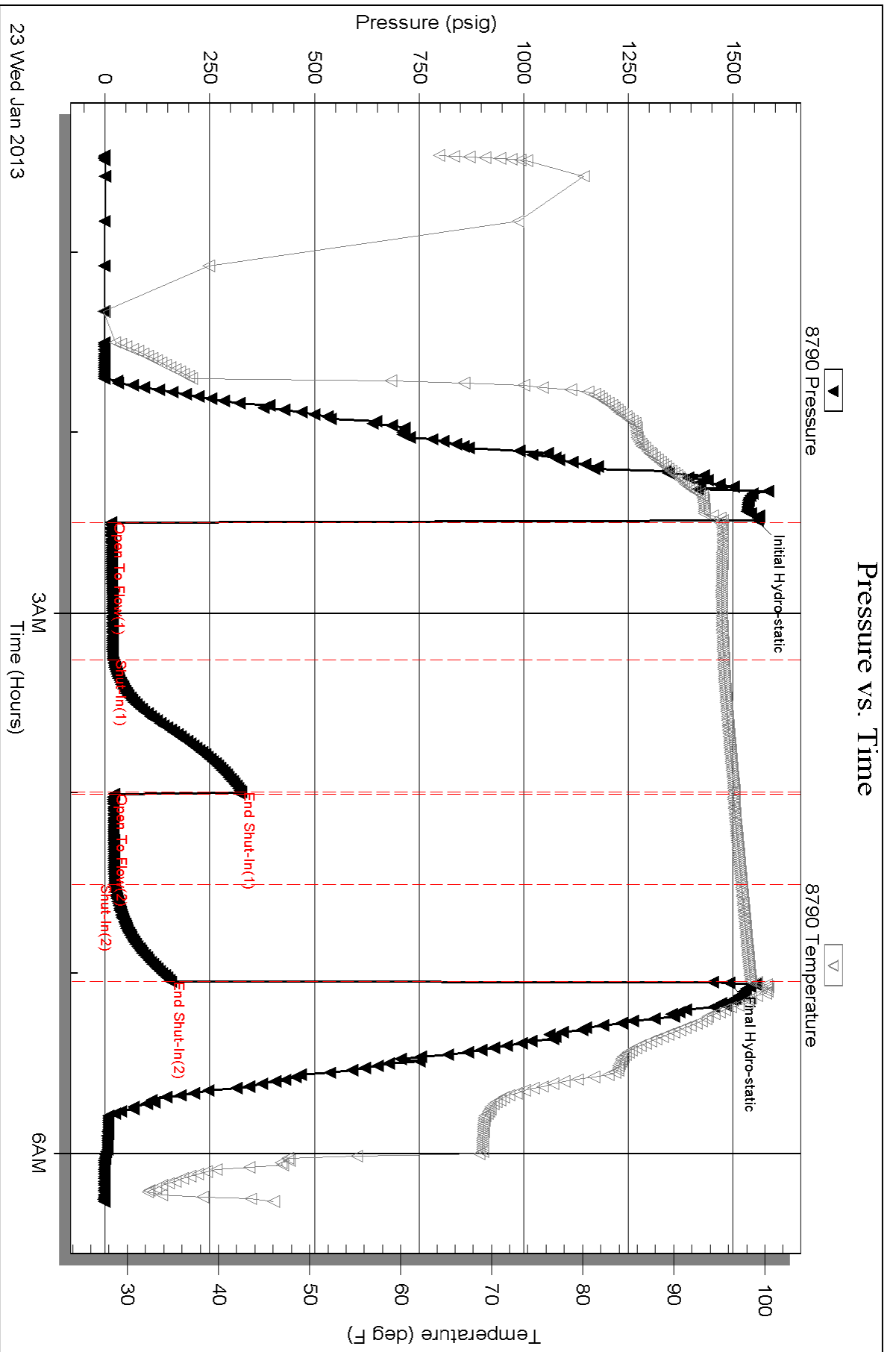
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc.
P.O. Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

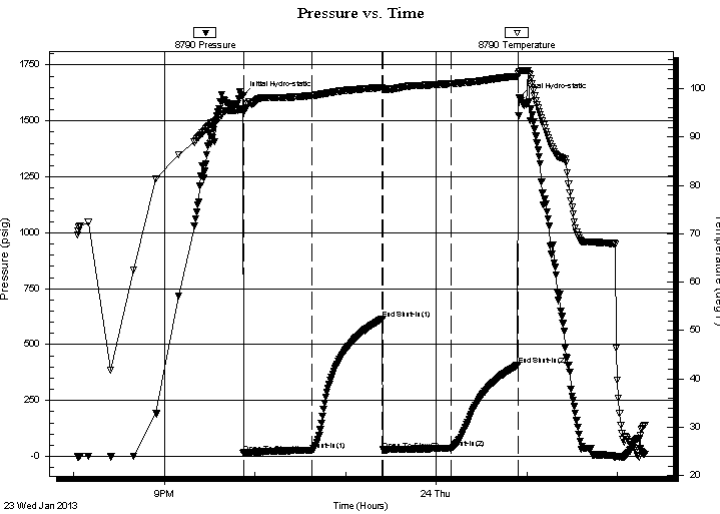
22-18s.-11w.
Ames #6
Job Ticket: 49721 **DST#: 6**
Test Start: 2013.01.23 @ 20:02:43

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 21:52:28
Time Test Ended: 02:17:43
Interval: **3280.00 ft (KB) To 3333.00 ft (KB) (TVD)**
Total Depth: 3333.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 48
Reference Elevations: 1786.00 ft (KB)
1776.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8790 Inside
Press @ Run Depth: 36.30 psig @ 3281.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.01.23 End Date: 2013.01.24 Last Calib.: 2013.01.24
Start Time: 20:02:48 End Time: 02:17:42 Time On Btm: 2013.01.23 @ 21:52:13
Time Off Btm: 2013.01.24 @ 00:54:58

TEST COMMENT: IF: Fair blow . 1/4" - 5"
IS: No blow
FF: Weak blow . Surface blow throughout
FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.06	95.77	Initial Hydro-static
1	14.86	95.02	Open To Flow (1)
46	27.99	98.55	Shut-In(1)
92	615.30	100.20	End Shut-In(1)
93	29.35	99.93	Open To Flow (2)
138	36.30	101.00	Shut-In(2)
182	409.10	102.54	End Shut-In(2)
183	1602.21	103.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 20%oil, 80%mud	0.70
16.00	Clean oil 100%oil	0.22

* 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.

22-18s.-11w.

P.O. Box 8050
Edmond, OK 73083

Ames #6

Job Ticket: 49721

DST#: 6

ATTN: Kitt Noah

Test Start: 2013.01.23 @ 20:02:43

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:

13200 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 13200.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	OCM 20%oil, 80%mud	0.701
16.00	Clean oil 100%oil	0.224

Total Length: 66.00 ft

Total Volume: 0.925 bbl

Num Fluid Samples: 0

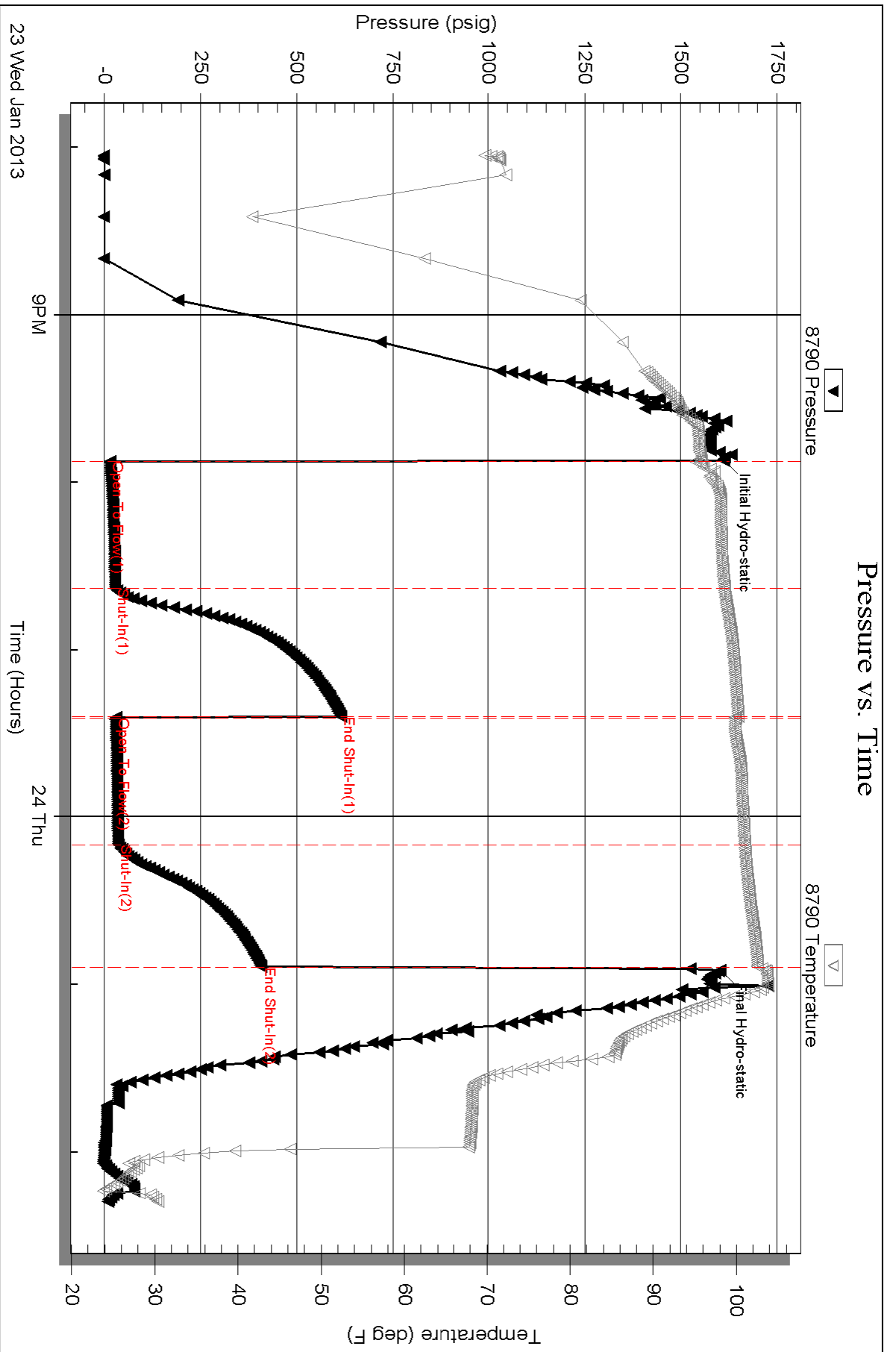
Num Gas Bombs: 0

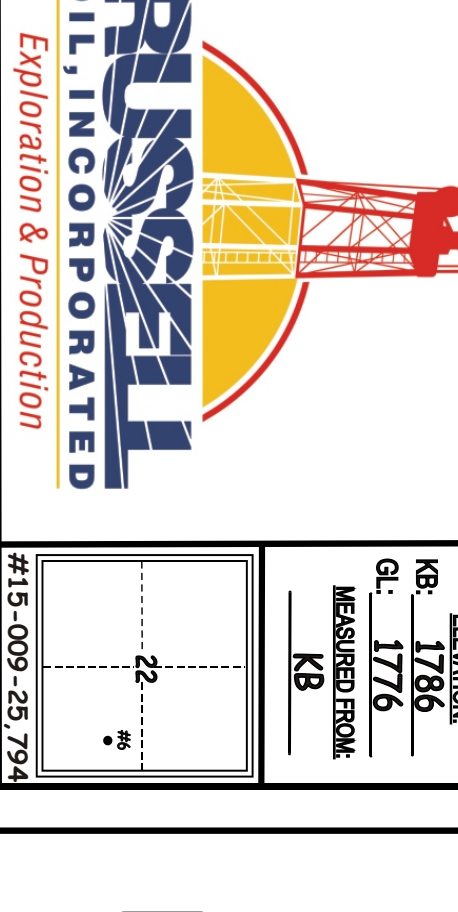
Serial #: NONE

Laboratory Name:

Laboratory Location:

Recovery Comments:





GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

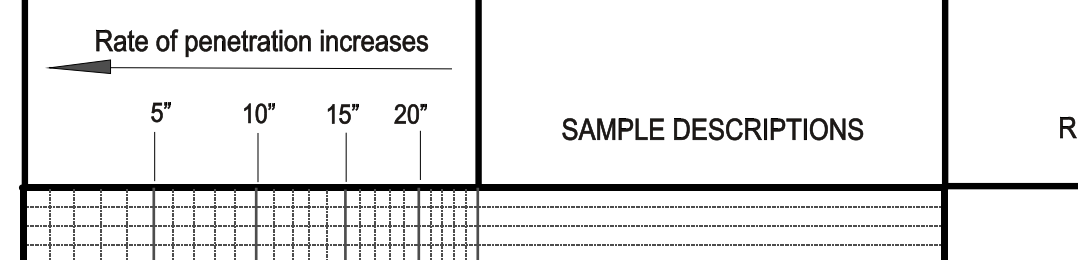
OPERATOR: **Russell Oil, Inc.**
 LEASE: **Ames** WELL NO.: **#6**
 LOCATION: **1820'FS & 710'FE**
 SEC.: **22** TWP.: **18S** RNG.: **11W**
 COUNTY: **Barton** STATE: **Kansas**

CONTRACTOR: **Southwind Rig #1**
 COMM: **1-16-2013** COMPL: **1-25-2013**
 RFD: **3405** LTD: **3399**
 SAMPLES SAVED FROM: **2600 to TD**
 DRILLING TIME SAVED FROM: **2600 to TD**
 SAMPLES EXAMINED FROM: **2600 to TD**
 GEOLOGICAL SUPERVISION FROM: **2710 to TD**
 MUD UP: **2430** MUD TYPE: **chemical**
 MUDLOG: **Rick Hughes**
 DRILL STEM TESTS TAKEN: **6**
 TRILOBITE: **Ryan Reynolds**

FORMATION top LOG DATE
Anhydrite 568 (+1218)
B/Anhydrite 588 (+1198)
Topeka 2636 (-850)
Heebner 2894 (-1108)
Toronto 2914 (-1128)
Douglas 2922 (-1136)
Brown Lime 3010 (-1224)
Lansing 3025 (-1239)
Muncie Creek 3153 (-1367)
B/KC 3288 (-1502)
Arbuckle 3311 (-1525)
R1D 3405 (-1619)
L1D 3405 (-1515)

ELEVATION: **KB 1786**
 GL: **1776**
 MEASURED FROM: **KB**
 #15-009-25.794
 #15-009-25.794

LEGEND



DEPTH	LITHOLOGY	DRILLING TIME IN MINUTES PER FOOT Rate of penetration increases 5" 10" 15" 20"	SAMPLE DESCRIPTIONS	REMARKS
550			com	
	Anhydrite		com	EL 568 (+1218)
	B/Anhydrite		com	EL 588 (+1198)
2600			com	
	Topeka		com	EL 2636 (-850)
2700			com	
	Plattsmouth		com	
2800			com	
	Heebner		com	EL 2894 (-1108)
2900			com	
	Toronto		com	EL 2914 (-1128)
	Douglas		com	EL 2922 (-1136)
3000			com	
	Brown Lime		com	EL 3010 (-1224)
	Lansing		com	EL 3025 (-1239)
			com	Pipe Strap at 3050' 3.52 Board Short
3100			com	
	Muncie Crk		com	EL 3153 (-1367)
3200			com	
	B/KC		com	EL 3288 (-1502)
	Arbuckle		com	EL 3311 (-1525)
3400			com	

DST #1:
 1st Op: Fair Bldg 5 1/2"
 No Blowback
 2nd Op: Fair Bldg 4 1/2"
 No Blowback
 Rec: 16' GIP
 60' Mud
 IFP: 12-14#/60"
 ISIP: 133#/30"
 FFP: 12-15#/60"
 FSIP: 157#/60"

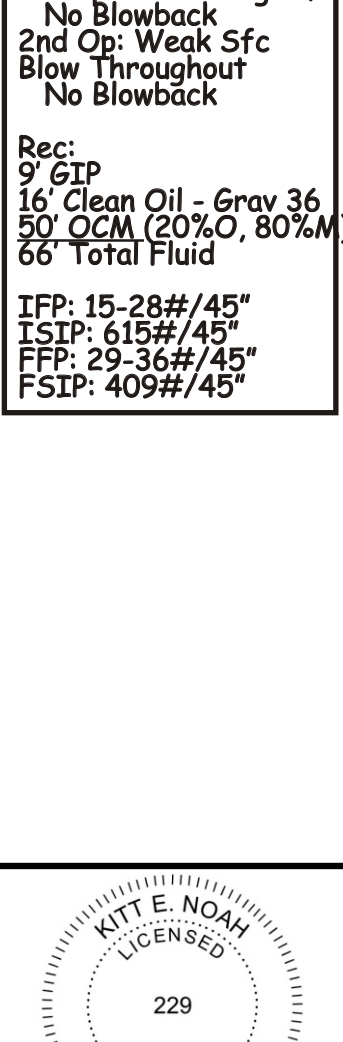
DST #2:
 1st Op: Weak Bldg 1/2"
 Blow Died 20"
 No Blowback
 2nd Op: Weak; Died 5"
 No Blowback
 Rec: 15' Mud
 IFP: 70-726#/30"
 ISIP: 731#/30"
 FFP: 86-695#/30"
 FSIP: 725#/30"
 MISRUN
 Tool Malfunction

DST #3:
 1st Op: Weak; Died 15"
 Flushed Tool; No Help
 2nd Op: Dead; Flush Tool; No Help
 No Blowback
 MISRUN
 Tool Malfunction --
 Discovered broken mandrel on tool.

DST #4:
 1st Op: BOB 30 sec.
 Blowback BOB 26"
 2nd Op: BOB Immed.
 Blowback BOB 24"
 Rec: 1040' GIP
 95' SOWCGM
 (30%G, tr O, 5%W, 20%M)
 270' OGMMW
 (40%G, 15%O, 25%W, 20%M)
 125' GOCM
 (20%G, 30%O, 50%M)
 335' GOCW
 (10%G, 30%O, 60%W)
 230' OG CW
 (10%G, 5%O, 85%W)
 1055' Total Fluid
 Total Fluid Breakdown:
 25%G, 22%O, 53%W
 IFP: 198-311#/30"
 ISIP: 420#/30"
 FFP: 322-378#/30"
 FSIP: 428#/30"
 Chlor: 77,000 ppm

DST #5:
 1st Op: Weak Bldg 1";
 Blow Died 32"
 No Blowback
 2nd Op: Dead
 No Blowback
 Rec: 10' Mud
 IFP: 14-18#/45"
 ISIP: 324#/45"
 FFP: 21-22#/30"
 FSIP: 158#/30"

DST #6:
 1st Op: Weak Bldg 5";
 No Blowback
 2nd Op: Weak 5fc
 Blow Throughout
 No Blowback
 Rec: 9' GIP
 16' Clean Oil - Grav 36
 50' OCM (20%O, 80%M)
 66' Total Fluid
 IFP: 15-28#/45"
 ISIP: 615#/45"
 FFP: 29-36#/45"
 FSIP: 409#/45"



ELEVATION: **KB 1786**

OPERATOR: **Russell Oil, Inc.** LOCATION: **1820'FS & 710'FE**
 LEASE: **Ames** WELL NO.: **#6** SEC.: **22** TWP.: **18S** RNG.: **11W**
 API: **15-009-25.794** FIELD: **Ames** COUNTY: **Barton** 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

May 01, 2013

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

Re: ACO1
API 15-009-25794-00-00
Ames 6
SE/4 Sec.22-18S-11W
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

Customer Russell Oil Inc		Lease No.		Date 1- -13	
Lease Ames		Well # # 6			
Field Order # 09058	Station Pratt KS	Casing 5 1/2"	Depth 3400'	County Barton	State KS
Type Job 5 1/2" L.S.		Formation Cnw	TD 3405'	Legal Description 22-18-11	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid 24 BBI Superflush II	RATE @ 15.3 #/gal	PRESS 60/40	ISIP 5 Min.	
Depth 3400	Depth	From	To	Pre Pad 125 SKs AA2	Max		10 Min.	
Volume 80 1/2	Volume	From	To	Pad	Min		15 Min.	
Max Press 1000	Max Press	From	To	Frac Rat Hole 30 SKs	Avg		Annulus Pressure	
Well Connection PC	Annulus Vol.	From	To	Mouse Hole 20 SKs	HHP Used		Total Load	
Plug Depth 5379'	Packer Depth	From	To	Flush Disp 2% KCL	Gas Volume			

Customer Representative Todd Brown	Station Manager Scotty	Treater Allen
---------------------------------------	---------------------------	------------------

Service Units	28443	33708	20920	77686	73768				
Driver Names	Allen	Eric	wright	Steve	Young				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00 pm					onloc. Discuss Safety, Setup Plan Job
8:30					Rigging down Drill Collar out of Hole Rig up To Run 5 1/2" csg. 15.5 #
9:27					start csg. shoe IT 21.17' w/ Reg guide Shoe. (Insert Fill Auto) cent - 2-4-6-8-10-12-13-15-71-77
11:00					Tar TD @ 3405, CIR @ 3400 & Rotate Pipe
12:00	200 #		24	5	Pump 24 BBl's superflush II
			5	5	5 BBl N20 spacer
			5	5	mix 125 SKs AA2 @ 15.3 #
			30		Finish mix cement, washout P.L.
12:22				5	Drop Top Rubber Plug, Start Disp.
	500 #			5	caught Lift 57 Bbl's out.
12:40	1200 #		80 1/2	3	Plug down
	0 #				Release PSI
			7		Plug R H w/ 30 SKs 60/40
			5		Plug M N w/ 20 SKs 60/40
					Washup Equ. P.L. & Packup
1:45					Job complete THANKS Allen, Eric, Steve

1-16-13	Sec. 22	Twp. 18	Range 11	County Barton	State Ks	On Location	Finish 11:45 PM
Well No. 6				Location Clafin, Ks - 3S, 1E, 3/4 S, W 1/2 into			
Owner Ames				Owner			
Contractor Southwind #1				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.			
Job Surface				Charge To Russell Oil			
Size 12 1/4" / 8 5/8"		T.D. 585'		Depth 583'		Street	
Size		Depth		City		State	
Cement Left in Csg. 30'				The above was done to satisfaction and supervision of owner agent or contractor.			
Shoe Joint 30'				Cement Amount Ordered 250 5x Common 3% CC			
Displace 35 1/4 BLS				2% Gel			
EQUIPMENT				Common 250			
Pumptrk 16 No.		Cementor Travis		Poz. Mix			
Pumptrk 13 No.		Driver Lonnie M.		Gel.			
Pumptrk p.u. No.		Driver Rick		Calcium 5			
JOB SERVICES & REMARKS				Hulls 8			
Remarks: Cement did Circulate.				Salt			
Flowseal				Flowseal			
Kol-Seal				Kol-Seal			
Mud CLR 48				Mud CLR 48			
CFL-117 or CD110 CAF 38				CFL-117 or CD110 CAF 38			
Sand				Sand			
Handling 263				Handling 263			
Mileage				Mileage			
FLOAT EQUIPMENT							
Guide Shoe				Guide Shoe			
Centralizer				Centralizer			
Baskets				Baskets			
AFU Inserts				AFU Inserts			
Float Shoe				Float Shoe			
Latch Down				Latch Down			
1 - Double Cup plug				1 - Double Cup plug			
Pumptrk Charge Long Surface				Pumptrk Charge Long Surface			
Mileage 31				Mileage 31			
Signature <i>[Signature]</i>						Tax	
						Discount	
						Total Charge	