



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1218197
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: _____

1218197

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: 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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Addington A 3-14
Doc ID	1218197

All Electric Logs Run

BOREHOLE COMPENSATED SONIC
COMPUTER PROCESS INTERPRETATION
DUAL INDUCTION
DUAL COMPENSATED POROSITY
MICRORESISTIVITY

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Addington A 3-14
Doc ID	1218197

Tops

Name	Top	Datum
ANHYDRITE	884	+1010
BASE ANHYDRITE	916	+978
GRANDHAVEN	2444	-550
TARKIO	2514	-620
ELMONT	2577	-683
HOWARD	2716	-822
TOPEKA	2786	-892
HEEBNER	3013	-1119
TORONTO	3028	-1134
LANSING	3076	-1182
MUNCIE CREEK	3219	-1325
BASE KC	3310	-1416
ARBUCKLE	3326	-1432



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Inc.
PO Box 8050
Edmond OK 73083
ATTN: Kit Noah

14-15s-14w-Russell Co.
Addington 'A' #3-14
Job Ticket: 58939 **DST#: 1**
Test Start: 2014.05.30 @ 22:00:16

GENERAL INFORMATION:

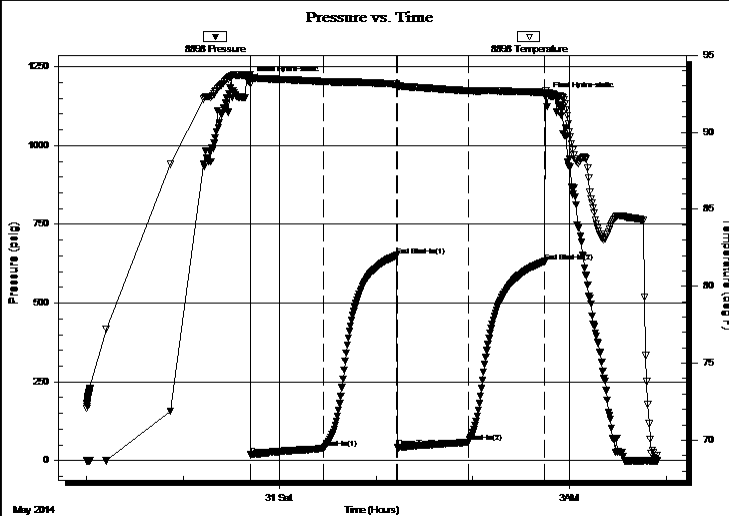
Formation: **Tarkio 1st and 2nd**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:41:46
Time Test Ended: 03:54:36
Interval: **2447.00 ft (KB) To 2497.00 ft (KB) (TVD)**
Total Depth: 2497.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Tate Lang
Unit No: 49
Reference Elevations: 1894.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8898

Outside

Press @ Run Depth: 57.48 psig @ 2457.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.30 End Date: 2014.05.31 Last Calib.: 2014.05.31
Start Time: 22:00:17 End Time: 03:54:36 Time On Btm: 2014.05.30 @ 23:41:36
Time Off Btm: 2014.05.31 @ 02:45:16

TEST COMMENT: Strong blow built to 10 in
Dead no blow back
B.O.B. in 30 mins
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1205.89	93.76	Initial Hydro-static
1	18.21	93.13	Open To Flow (1)
46	38.41	93.29	Shut-In(1)
91	650.81	93.13	End Shut-In(1)
92	42.85	92.99	Open To Flow (2)
136	57.48	92.69	Shut-In(2)
183	632.18	92.58	End Shut-In(2)
184	1155.90	92.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	100%O	0.03
30.00	OCM 20%O 80%M	0.42
62.00	MCW 40%M 60%W	0.87
0.00	90 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.

14-15s-14w-Russell Co.

PO Box 8050
Edmond OK 73083

Addington 'A' #3-14

Job Ticket: 58939

DST#: 1

ATTN: Kit Noah

Test Start: 2014.05.30 @ 22:00:16

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 2700.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	100%O	0.028
30.00	OCM 20%O 80%M	0.421
62.00	MCW 40%M 60%W	0.870
0.00	90 GIP	0.000

Total Length: 94.00 ft Total Volume: 1.319 bbl

Num Fluid Samples: 0

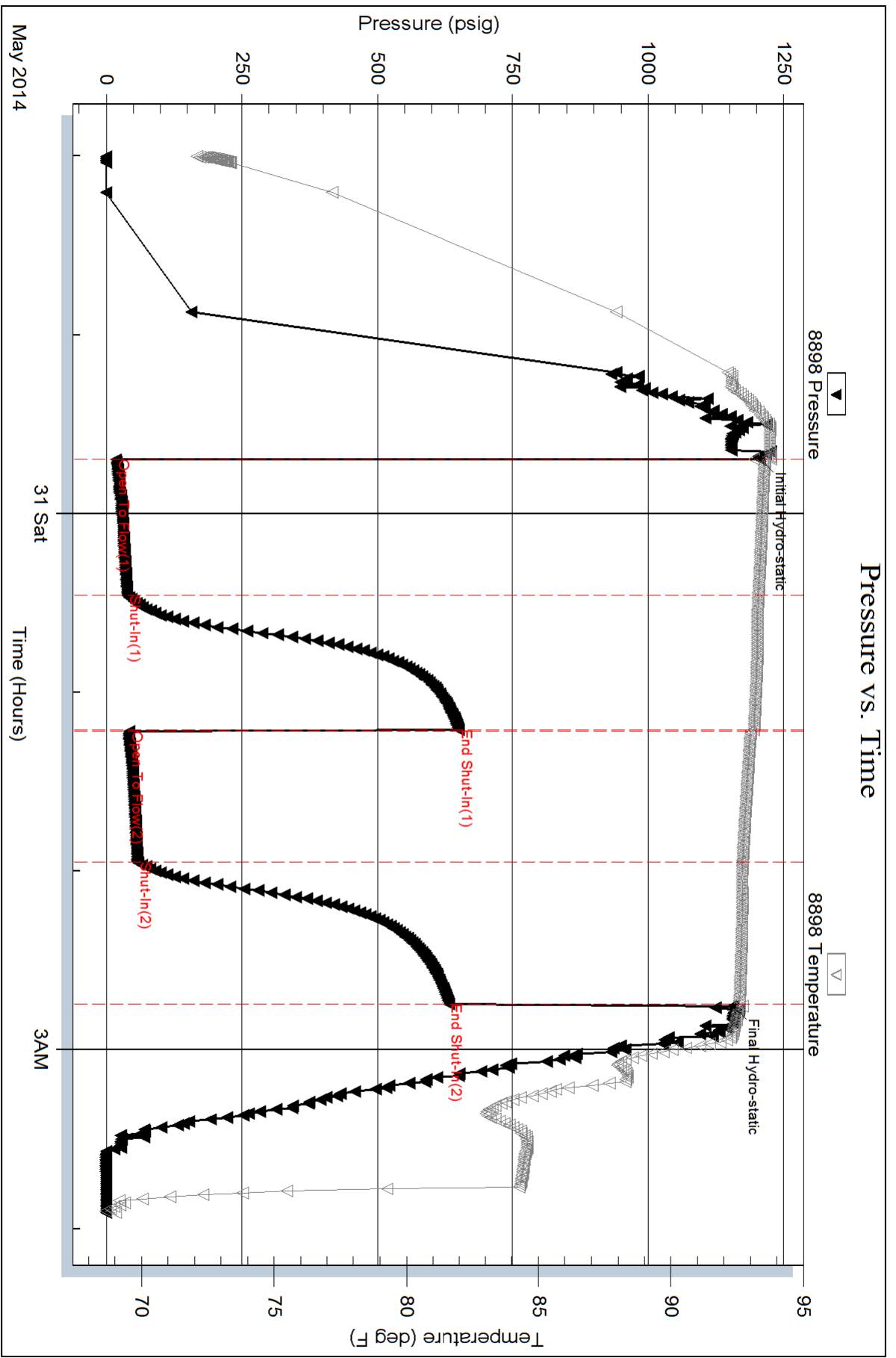
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Inc.
PO Box 8050
Edmond OK 73083
ATTN: Kit Noah

14-15s-14w-Russell Co.
Addington 'A' #3-14
Job Ticket: 58940 **DST#: 2**
Test Start: 2014.06.01 @ 20:07:39

GENERAL INFORMATION:

Formation: **LKC B&C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:19:59
 Time Test Ended: 02:29:39
 Interval: **3086.00 ft (KB) To 3117.00 ft (KB) (TVD)**
 Total Depth: 3117.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 1894.00 ft (KB)
 1885.00 ft (CF)
 KB to GR/CF: 9.00 ft

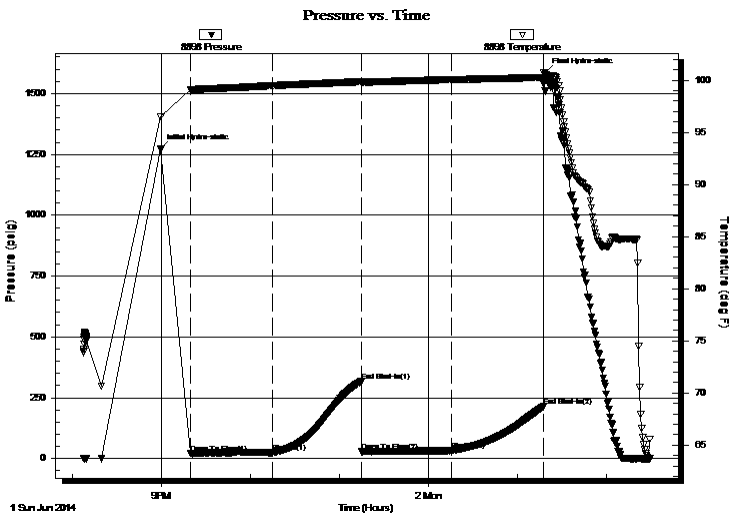
Serial #: 8898

Outside

Press @ Run Depth: 32.71 psig @ 3094.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.01 End Date: 2014.06.02 Last Calib.: 2014.06.02
 Start Time: 20:07:40 End Time: 02:29:39 Time On Btm: 2014.06.01 @ 20:59:39
 Time Off Btm: 2014.06.02 @ 01:18:48

TEST COMMENT: Weak surface blow built to 1 in
 Dead no blow back
 Weak surface blow built to 3/4 in
 Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1271.09	96.51	Initial Hydro-static
21	20.50	99.07	Open To Flow (1)
76	24.31	99.47	Shut-In(1)
136	316.34	99.85	End Shut-In(1)
136	29.29	99.78	Open To Flow (2)
197	32.71	100.05	Shut-In(2)
258	213.44	100.26	End Shut-In(2)
260	1586.86	100.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M With oil spots	0.42

* 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.

14-15s-14w-Russell Co.

PO Box 8050
Edmond OK 73083

Addington 'A' #3-14

Job Ticket: 58940

DST#: 2

ATTN: Kit Noah

Test Start: 2014.06.01 @ 20:07:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

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
30.00	100%M With oil spots	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

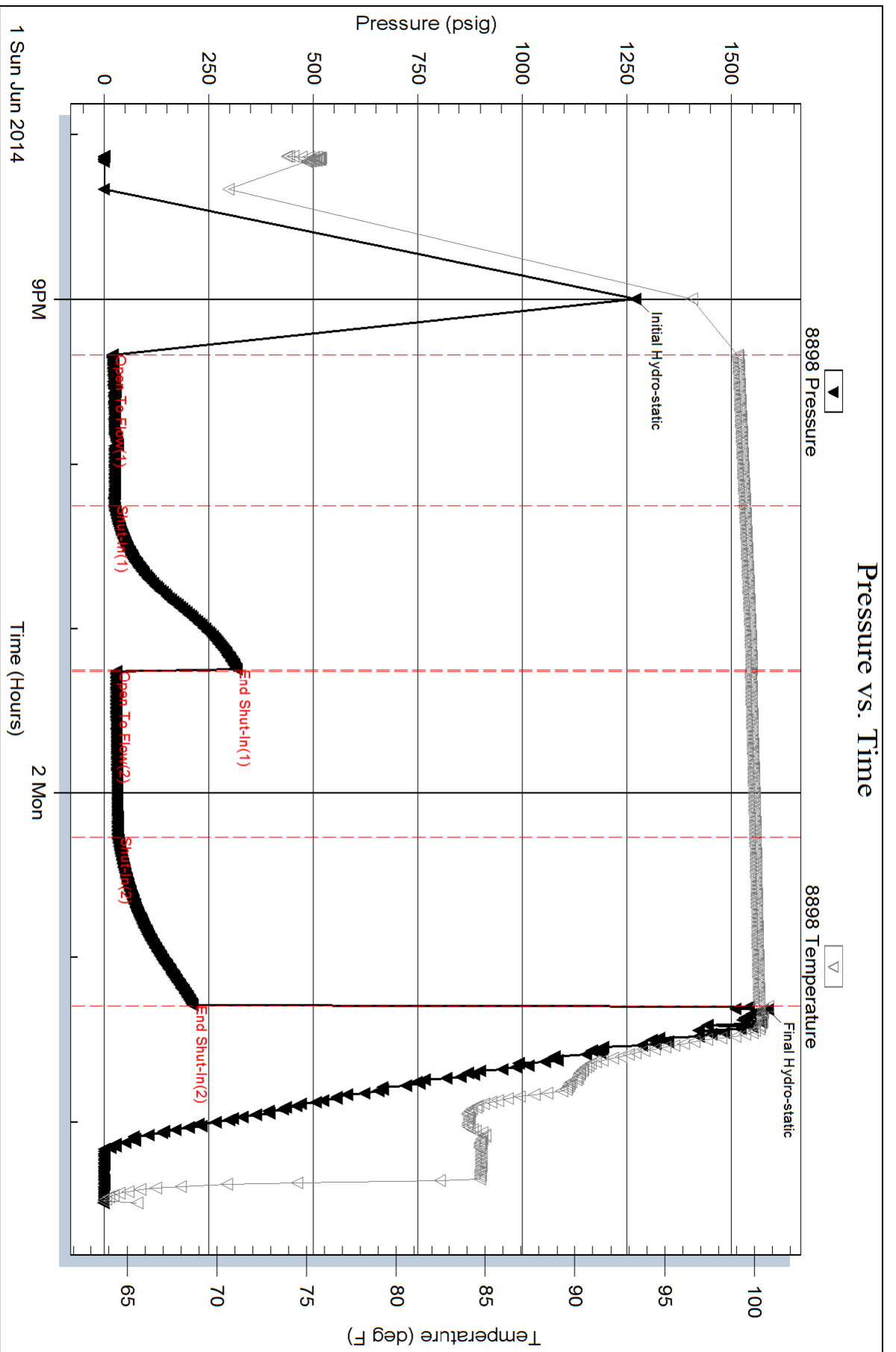
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Inc.
PO Box 8050
Edmond OK 73083
ATTN: Kit Noah

14-15s-14w-Russell Co.

Addington 'A' #3-14

Job Ticket: 58941

DST#: 3

Test Start: 2014.06.03 @ 03:59:46

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 05:33:26
 Tester: Tate Lang
 Time Test Ended: 10:10:46
 Unit No: 49
 Interval: **3302.00 ft (KB) To 3330.00 ft (KB) (TVD)**
 Reference Elevations: 1894.00 ft (KB)
 Total Depth: 3330.00 ft (KB) (TVD)
 1885.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 9.00 ft

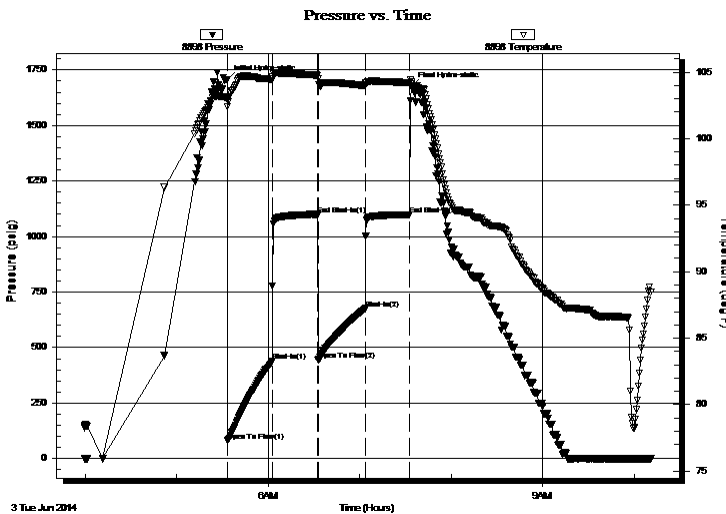
Serial #: 8898

Outside

Press @ Run Depth: 675.54 psig @ 3307.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.03 End Date: 2014.06.03 Last Calib.: 2014.06.03
 Start Time: 03:59:47 End Time: 10:10:46 Time On Btm: 2014.06.03 @ 05:33:16
 Time Off Btm: 2014.06.03 @ 07:33:56

TEST COMMENT: B.O.B. in 2 mins
 Weak surface blow back built to 2 3/4 in
 B.O.B. in 2 mins
 Weak surface blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1706.58	103.12	Initial Hydro-static
1	79.83	102.41	Open To Flow (1)
30	438.05	104.47	Shut-In(1)
60	1095.75	104.75	End Shut-In(1)
60	442.73	104.50	Open To Flow (2)
91	675.54	103.97	Shut-In(2)
120	1099.09	104.20	End Shut-In(2)
121	1674.88	104.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
192.00	GOCMW 50%G 10%O 60%W 10%M	2.69
1280.00	GO 50%G 50%O	17.96
296.00	GO 20%G 80%O	4.15
0.00	212 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.

14-15s-14w-Russell Co.

PO Box 8050
Edmond OK 73083

Addington 'A' #3-14

Job Ticket: 58941

DST#: 3

ATTN: Kit Noah

Test Start: 2014.06.03 @ 03:59:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
192.00	GOCMW 50%G 10%O 60%W 10%M	2.693
1280.00	GO 50%G 50%O	17.955
296.00	GO 20%G 80%O	4.152
0.00	212 GIP	0.000

Total Length: 1768.00 ft Total Volume: 24.800 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 38 @ 80 F = 36

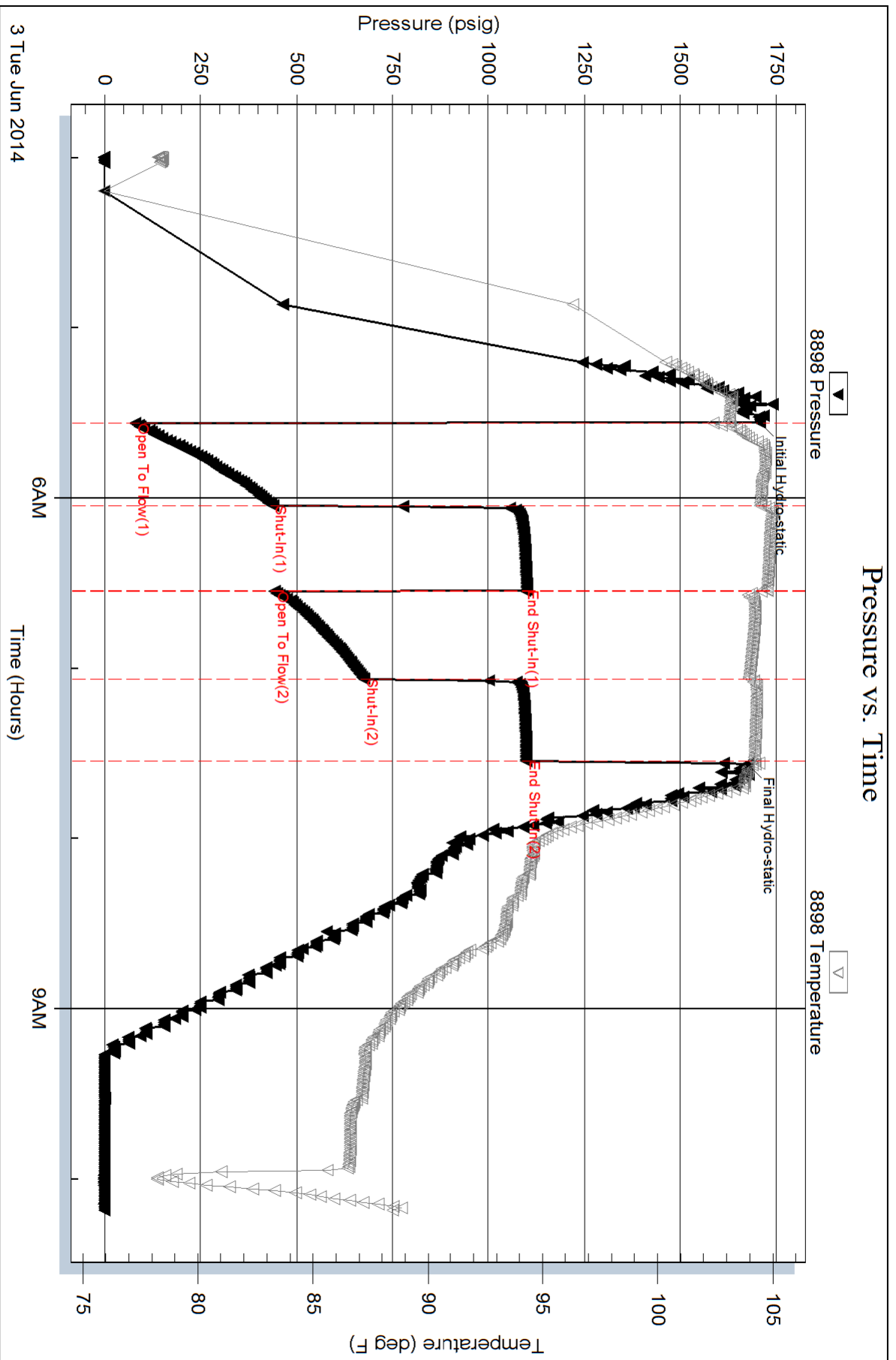
Serial #: 8898

Outside Russell Oil Inc.

Addington 'A' #3-14

DST Test Number: 3

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc.
PO Box 8050
Edmond OK 73083
ATTN: Kit Noah

14-15s-14w-Russell Co.
Addington 'A' #3-14
Job Ticket: 58942 **DST#: 4**
Test Start: 2014.06.03 @ 16:05:14

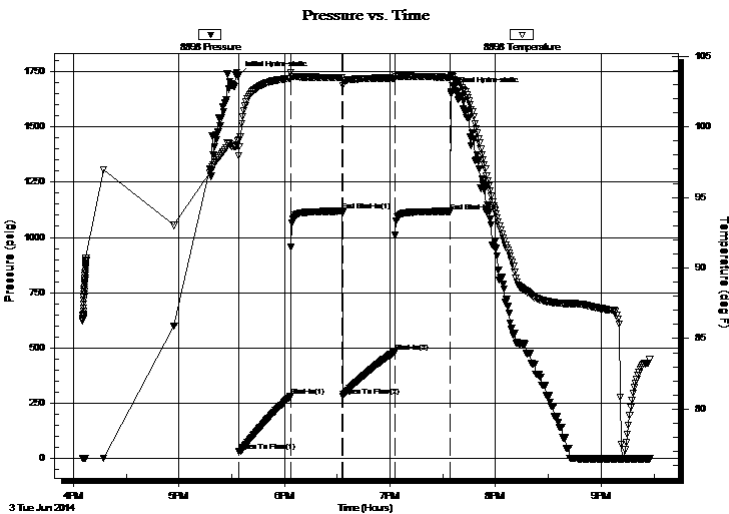
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:34:04
Time Test Ended: 21:27:44
Interval: **3343.00 ft (KB) To 3348.00 ft (KB) (TVD)**
Total Depth: 3348.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 1894.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8898 Outside
Press@RunDepth: 483.33 psig @ 3345.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.03 End Date: 2014.06.03 Last Calib.: 2014.06.03
Start Time: 16:05:15 End Time: 21:27:44 Time On Btm: 2014.06.03 @ 17:33:54
Time Off Btm: 2014.06.03 @ 19:34:34

TEST COMMENT: B.O.B. in 4 mins
Dead no blow back
B.O.B. in 4 mins
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1732.89	99.08	Initial Hydro-static
1	33.71	97.94	Open To Flow (1)
30	281.89	103.41	Shut-In(1)
59	1118.78	103.49	End Shut-In(1)
60	283.72	102.92	Open To Flow (2)
89	483.33	103.44	Shut-In(2)
121	1118.06	103.50	End Shut-In(2)
121	1657.32	103.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1024.00	100%W	14.36
45.00	VSOCWM 8%O 2%W 90%M	0.63
5.00	100%O	0.07

* 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.

14-15s-14w-Russell Co.

PO Box 8050
Edmond OK 73083

Addington 'A' #3-14

Job Ticket: 58942

DST#: 4

ATTN: Kit Noah

Test Start: 2014.06.03 @ 16:05:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1024.00	100%W	14.364
45.00	VSOCWM 8%O 2%W 90%M	0.631
5.00	100%O	0.070

Total Length: 1074.00 ft Total Volume: 15.065 bbl

Num Fluid Samples: 0

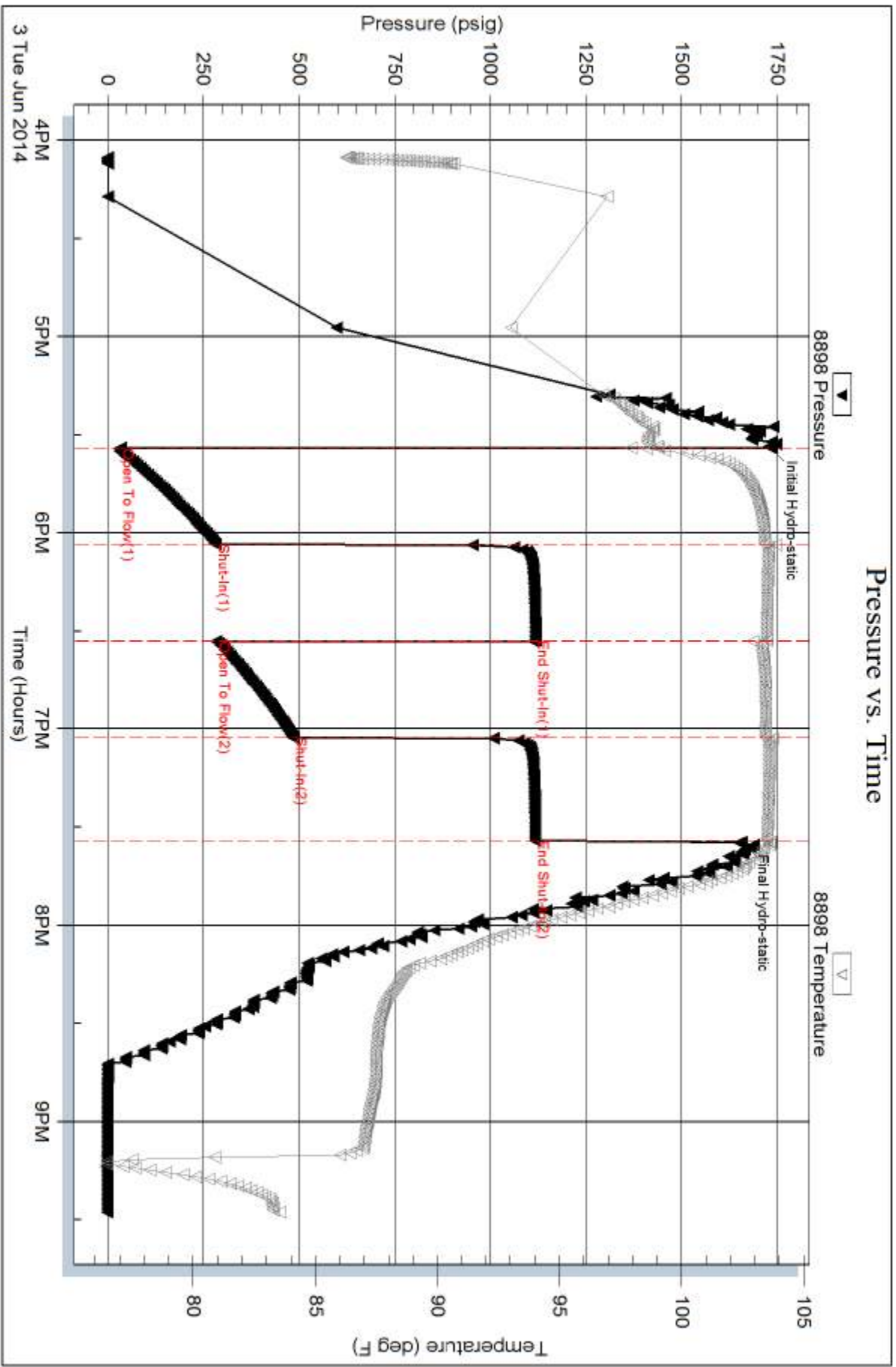
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .233 @ 80 F = 28000



KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

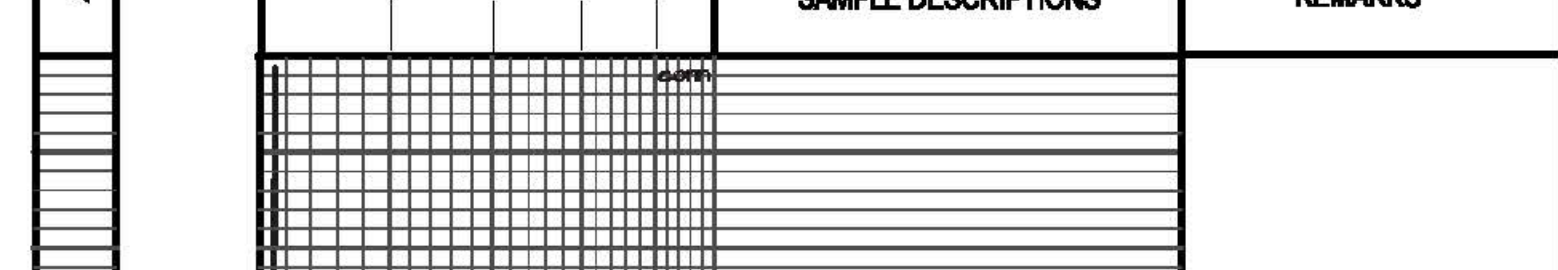
EL ELEVATION: KB 1894
GL: 1892
MEASURED FROM: KB
#15-167-23-963

OPERATOR: Russell Oil, Inc.
LEASE: Addington "A" WELL NO: #3-14
LOCATION: 1380'FS & 2970'FW
SEC: 14 TWP: 15S RNG: 14W
COUNTY: Russell STATE: Kansas

FORMATION	TOP	LOG
Arbucklie	884 (-1010)	
B/Arbucklie	916 (-978)	
Grandhaven	2444 (-550)	
Larkio	2514 (-620)	
Elmont	2786 (-822)	
Howard	3013 (-1119)	
Heebner	3028 (-1134)	
Lansing	3076 (-1182)	
Muncie Creek	3219 (-1325)	
B/KC	3301 (-1416)	
Arbucklie	3326 (-1432)	
L/D	3400 (-1505)	

CONTRACTOR: Southwind Rig #2
COMM: E-27-2014 COMPL: G-1-2014
RTD: 3400 LTD: 3399
SAMPLES SAVED FROM: 2400 to TD
DRILLING TIME SAVED FROM: 2400 to TD
SAMPLES EXAMINED FROM: 2400 to TD
GEOLOGICAL SUPERVISION FROM: 2400 to TD
MUD UP: 2200 MUD TYPE: identical
Mud - Rock Fluids
DRILL TESTS TRACK: 4
Tribitoe - Late Loma
SURVEYS: Pioneer Energy Services
Dual Induction
Borehole Compensated Sonic
Microlog

LEGEND



DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of penetration increases	SAMPLE DESCRIPTIONS	REMARKS
884			EL 884 (+1010)
916			EL 916 (+978)
2444			EL 2444 (-550)
2514			EL 2514 (-620)
2786			EL 2786 (-822)
3013			EL 3013 (-1119)
3028			EL 3028 (-1134)
3076			EL 3076 (-1182)
3219			EL 3219 (-1325)
3301			EL 3301 (-1416)
3326			EL 3326 (-1432)
3400			EL 3400 (-1505)

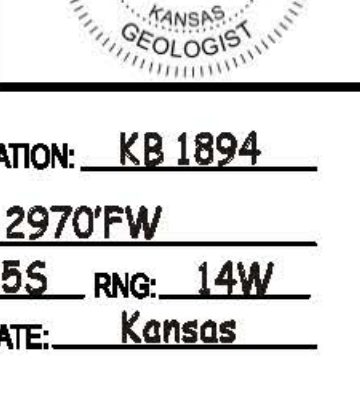
DST #1:
1st Op: Weak Bldg 10"
No Blowback
2nd Op: BOB 30"
No Blowback
Rec:
90' GIP
2' Free Oil
30' OCM
(20% O, 80%M)
62' MCW w/oil spots
(60%W, 40%M)
94' Total Fluid
IFP: 18-38#/45"
ISIP: 651#/45"
FFP: 43-57#/45"
FSP: 632#/45"
Chlor: 38,000 ppm

Pipe Strap at 2494'
.08 Board Long

DST #2:
1st Op: Weak Bldg 1"
No Blowback
2nd Op: Weak Bldg 3/4"
No Blowback
Rec:
30' Mud w/oil spots
IFP: 24-24#/60"
ISIP: 316#/60"
FFP: 29-33#/60"
FSP: 213#/60"

DST #3:
1st Op: BOB 2"
2 3/4" Blowback
2nd Op: BOB 2"
Weak 5fc Blowback
Rec:
212' GIP
296' Gassy Oil - Grav 36
(20%G, 80%O)
1280' Gassy Oil
(50%G, 60%O)
192' OCMW
(10%G, 10%W, 60%W, 10%M)
1768' Total Fluid
IFP: 80-438#/30"
ISIP: 1096#/30"
FFP: 443-676#/30"
FSP: 1099#/30"
Chlor: 7,500 ppm

DST #4:
1st Op: BOB 4"
No Blowback
2nd Op: BOB 4"
No Blowback
Rec:
5' Clean Oil
45' VSO CWM
(8%O, 2%W, 90%M)
1024' Water
1074' Total Fluid
IFP: 34-282#/30"
ISIP: 1119#/30"
FFP: 284-483#/30"
FSP: 1118#/30"
Chlor: 28,000 ppm



ALLIED OIL & GAS SERVICE, LLC

055250

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Grant Bend KS

DATE <u>5-28-14</u> <i>Abilene</i>	SEC <u>14</u>	TWP <u>15</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE	WELL # <u>A-3</u>	LOCATION <u>Russell KS 10 S 1/4 E N14</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southwind #2

TYPE OF JOB long surface

HOLE SIZE 12 1/8 I.D. 8 7/8

CASING SIZE 8 5/8 2 3/4 DEPTH 891

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT 15

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 55 3/4

OWNER

CEMENT AMOUNT ORDERED 400 con 39 cc 27 gal

EQUIPMENT

Tim Dickson

PUMP TRUCK CEMENTER Robert Jackubovich

366 HELPER Kevin Eddy

BULK TRUCK

473 DRIVER Toney J (Russell)

BULK TRUCK DRIVER

COMMON	<u>400</u>	@ <u>17.90</u>	<u>7160.00</u>
POZMIX		@	
GEL	<u>752</u>	@ <u>0.24</u>	<u>190.48</u>
CHLORIDE	<u>1128</u>	@ <u>0.80</u>	<u>902.40</u>
ASC		@	
Material		@ Total	<u>8242.88</u>
		Disc (25%)	<u>2060.72</u>
Service		@	
HANDLING	<u>400 sks</u>	@ <u>2.48</u>	<u>992.00</u>
MILEAGE	<u>94</u> <u>1/2</u>	@ <u>2.60</u>	<u>244.40</u>

REMARKS:

See log

Cement did circulate to surface

Thank you

CHARGE TO: Russell Oil, Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

DEPTH OF JOB	<u>891</u>	
PUMP TRUCK CHARGE	<u>2059.50</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>5 WMI</u>	@ <u>4.40</u>	<u>22.00</u>
MANIFOLD	@ <u>275.00</u>	<u>275.00</u>
<u>10 WMI</u>	@ <u>7.70</u>	<u>77.00</u>
	@	

TOTAL 3168.90
(25%) 917.23

PLUG & FLOAT EQUIPMENT

<u>3/8 Rubber plug</u>	@ <u>131.00</u>	<u>131.00</u>
	@	
	@	
	@	
	@	

TOTAL 131.00
(25%) 32.75

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME William Sanders

SIGNATURE William Sanders

SALES TAX (If Any) _____

TOTAL CHARGES 12042.78

DISCOUNT 3010.70 (25/25/25) IF PAID IN 30 DAYS

net 9032.08

Customer <i>Russell</i>	Lease No.	Date <i>06-04-14</i>
Lease <i>ADDINGTON A</i>	Well # <i>3-14</i>	
Field Order # <i>10876</i>	Station <i>PRATT KC</i>	Casing/ <i>3 1/2</i>
Type Job <i>CVW</i>	Formation	Depth <i>3397'</i>
		County <i>Russell</i>
		State <i>KC</i>
		Legal Description <i>14-15-14</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>3 1/2</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>3397</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>20</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>PC</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>3370</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	Station Manager <i>DAVE SELL</i>	Treater <i>Robert J...</i>
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Service Units	<i>37900</i>	<i>33708</i>	<i>20920</i>	<i>19426</i>	<i>19860</i>				
Driver Names	<i>Sullivan</i>	<i>ERRIN</i>		<i>DRUES</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>4:30</i>					<i>ON LOC SORTY, MOUNTY</i>
<i>5:00</i>					<i>CASING ON BOTTOM</i>
<i>5:10</i>					<i>HOOK UP, CIRC ESP</i>
<i>5:45</i>			<i>5</i>	<i>?</i>	<i>RT SPACER</i>
			<i>24</i>		<i>MIX SUPER FLUID</i>
			<i>38</i>	<i>45</i>	<i>MIX CMT 160 SK AA 2 CMT</i>
					<i>CMT MIXED, SHOT DOWN, WASH, LUB, PUMP</i>
					<i>RELEASE PLUG</i>
	<i>150</i>		<i>57</i>	<i>5</i>	<i>ST DEEP</i>
	<i>500</i>			<i>3</i>	<i>LIFT PSI</i>
<i>6:49</i>	<i>1,500</i>		<i>81</i>		<i>ISLOW RATE</i>
					<i>PLUG DOWN, HOAT HOLD</i>
					<i>PLUG RT/W/30SK 60/40</i>
					<i>JOB COMPLETE</i>
					<i>THANK YOU</i>