



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1152737
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: _____



1152737

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Streck #1-36
Doc ID	1152737

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Streck #1-36
Doc ID	1152737

Tops

Name	Top	Datum
ANHYDRITE	942	+991
BASE ANHYDRITE	973	+960
TOPEKA	2861	-928
HEEBNER	3089	-1156
TORONTO	3104	-1171
LANSING	3149	-1216
MUNCIE CREEK	3286	-1353
BASE KC	3372	-1439
ARBUCKLE	3406	-1473
RTD	3460	-1527

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

July 23, 2013

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

Re: ACO1
API 15-167-23868-00-00
Streck #1-36
SE/4 Sec.36-15S-15W
Russell 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 <i>RUSSELL OIL, INC.</i>	Lease No.	Date <i>5-11-2013</i>	
Lease <i>STRECK</i>	Well # <i>1-36</i>		
Field Order # <i>08080</i>	Station <i>PRATT, KS.</i>	Casing <i>5 1/2"</i>	Depth
Type Job <i>CNW - 5 1/2" L.S.</i>	Formation <i>TD - 3400</i>	County <i>RUSSELL</i>	State <i>KS.</i>
		Legal Description <i>36-15-15</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2 x 15.5</i>	Tubing Size	Shots/Ft	<i>CMT -</i>	Acid <i>1255K AA-2</i>	RATE	PRESS	ISIP	
Depth <i>3450'</i>	Depth	From	To	Pre Pad <i>@ 1.36 CU FT</i>	Max		5 Min.	
Volume <i>22.11 BBL</i>	Volume	From	To	Pad	Min <i>SJ = 24.93'</i>		10 Min.	
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3425</i>	Packer Depth	From	To	Flush <i>81.5 BBL - 2 1/2% KCL</i>	Gas Volume <i>FIRST 30 BBL</i>		Total Load	

Customer Representative <i>TODD</i>	Station Manager <i>D. SCOTT</i>	Treater <i>K. LESLEY</i>
Service Units <i>37526 19889 19843 19826 13768</i>		
Driver Names <i>LESLEY MARQUEZ LAWRENCE</i>		

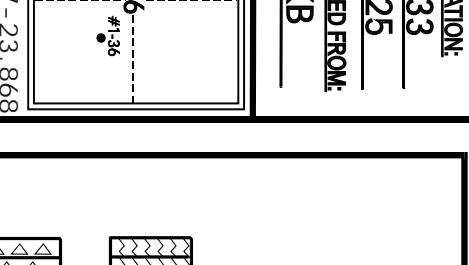
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:00 AM</i>					<i>ON LOCATION - SAFETY MEETING</i>
<i>12:15 PM</i>					<i>RUN 81 JTS. 5 1/2" x 15.5"</i>
<i>1:40 PM</i>					<i>TURBO. - 2, 4, 6, 8, 10, 12, 14, 16, 19, 24, 30</i>
<i>1:50 PM</i>					<i>CSG. ON BOTTOM</i>
<i>2:45 AM</i>			<i>24</i>	<i>6</i>	<i>H2O SPACER</i>
<i>2:48 PM</i>			<i>5</i>	<i>6</i>	<i>MIX 1255K AA-2 @ 15.3 PPG</i>
<i>2:49 PM</i>			<i>30</i>	<i>6</i>	<i>PLUG DOWN & LINE/DROP T.R. PLUG</i>
<i>2:53 PM</i>			<i>0</i>	<i>6</i>	<i>START DISPLACEMENT W/ 2% KCL</i>
<i>3:09 PM</i>			<i>60</i>	<i>5</i>	<i>LIFT PRESSURE</i>
<i>3:11 PM</i>			<i>70</i>	<i>3</i>	<i>SLOW RATE STOP ROTATION</i>
<i>3:15 PM</i>			<i>81.5</i>	<i>2</i>	<i>PLUG DOWN - HELD</i>
					<i>CIRC. THRU JOB</i>
<i>3:30 PM</i>			<i>6.4</i>	<i>2</i>	<i>PLUG R.H. & M.H.</i>
					<i>JOB COMPLETE,</i>
					<i>THANKS -</i>
					<i>KEVIN LESLEY</i>

5-3-13	Sec. 36	Twp. 15	Range 15	County Russell	State KS	On Location 11:00 AM	Finish 2:15 PM
Streck				Location Barta Rd 5 to CL 1/2 N		Well No. 1-36	
Contractor Southwind 6				Owner West into		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. 940ft		Depth 940.4ft		Street	
Size		Depth		City		State	
Amount Left in Csg. 37.3				Shoe Joint 37.3ft		Cement Amount Ordered 375 3% CC	
Line Displace 57.5 BIBL				2.9% gel			
EQUIPMENT				Common 375			
Trk 5	No.	Cementer	Matt	Poz. Mix			
Trk 4	No.	Helper	Bratt	Gel. 7			
Trk pu	No.	Driver	Clayton	Calcium 14			
JOB SERVICES & REMARKS				Hulls			
Corks:				Salt			
Cable				Flowseal			
Casing Hole				Kol-Seal			
Cementizers				Mud CLR 48			
Cements				CFL-117 or CD110 CAF 38			
Casing Port Collar				Sand			
Cement did simulate				Handling 386			
				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Baffle plate			
				Rubber plate			
				Pump truck Charge Long Surface			
				Mileage 17			
						Tax	
						Discount	
Signature W. P. Pfl						Total Charge	



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG



OPERATOR: Russell Oil, Inc.
 LEASE: Streck WELL NO.: #1-36
 LOCATION: 1510FS & 1630FE
 SEC: 36 TWP: 15S RNG: 15W
 COUNTY: Russell STATE: Kansas

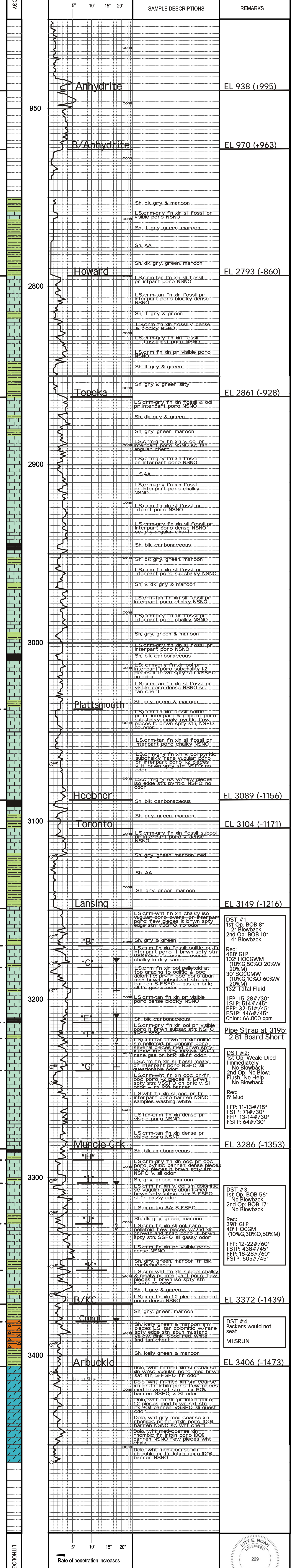
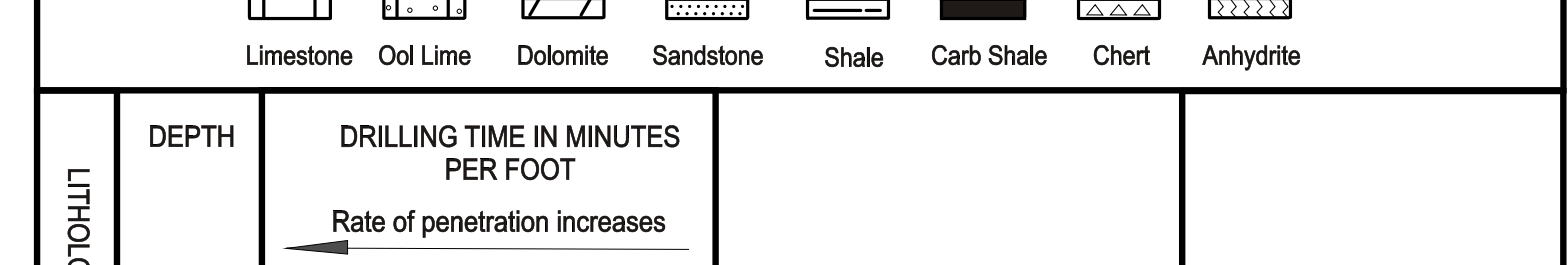
CASING RECORD:
 SURFACE: 8 5/8" set at 940 W/375 SX.
 PRODUCTION: 5 1/2" set at 3458 W/125 SX.
 DV TOOL: _____

FORMATION	TOP	LOG	DATE
Anhydrite	938 (+995)		
B/Anhydrite	970 (+963)		
Topeka	2861 (-928)		
Heebner	3089 (-1156)		
Toronto	3104 (-1171)		
Lansing	3149 (-1216)		
Muncie Creek	3286 (-1353)		
B/KC	3372 (-1439)		
Arbuckle	3406 (-1473)		
RTD	3460 (-1527)		
LTD	3462 (-1529)		

CONTRACTOR: Southwind Rig #6
 COMM: 5-2-2013 COMPL: 5-11-2013
 RTD: 3460 LTD: 3462
 SAMPLES SAVED FROM: 2150 TO TD
 DRILLING TIME SAVED FROM: 2750 TO TD
 SAMPLES EXAMINED FROM: 2750 TO TD
 GEOLOGICAL SUPERVISION FROM: 2850 TO TD
 MUD UP: 3450 MUD TYPE: chemical
 MUDLOG: Rick Hughes
 DRILL STEM TESTS TAKEN: 4
 TRILOBITE - Dustin Rash

SURVEYS: Pioneer Energy Services
 Dual Compensated Porosity
 Microlog
 Borehole Compensated Sonic

LEGEND



DST #1:
 1st Op: BOB 8"
 2" Blowback
 2nd Op: BOB 10"
 4" Blowback

Rec:
 488' GIP
 102' HOCGWM
 (10%G,50%O,20%W
 20%M)
 30' SOCGMW
 (10%G,10%O,60%W
 20%M)
 132' Total Fluid

IFP: 15-28#/30"
 ISIP: 514#/45"
 FFP: 32-51#/45"
 FSI: 446#/45"
 Chlor: 66,000 ppm

Pipe Strap at 3195'
 2.81 Board Short

DST #2:
 1st Op: Weak; Died
 1 immediately
 No Blowback
 2nd Op: No Blow;
 Flush: No Help
 No Blowback

Rec:
 5' Mud

IFP: 11-13#/15"
 ISIP: 71#/30"
 FFP: 13-14#/30"
 FSI: 64#/30"

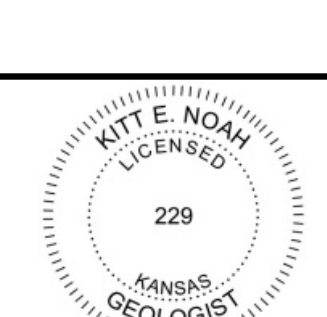
DST #3:
 1st Op: BOB 56"
 No Blowback
 2nd Op: BOB 17"
 No Blowback

Rec:
 398' GIP
 40' HOCGM
 (10%G,30%O,60%M)

IFP: 12-22#/60"
 ISIP: 438#/45"
 FFP: 18-28#/60"
 FSI: 505#/45"

DST #4:
 Packers would not seat

MISRUN



OPERATOR: Russell Oil, Inc. LOCATION: 1510FS & 1630FE
 LEASE: Streck WELL NO.: #1-36 SEC: 36 TWP: 15S RNG: 15W
 API: 15-167-23.868 FIELD: Boxberger NE COUNTY: Russell STATE: Kansas

ELEVATION: KB 1933



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc.

36/15S/15W-Russell

Streck #1-36

Job Ticket: 52125

DST#: 1

ATTN: Kitt Noah

Test Start: 2013.05.08 @ 03:50:45

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:21:55

Time Test Ended: 10:04:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 3177.00 ft (KB) To 3195.00 ft (KB) (TVD)

Reference Elevations: 1933.00 ft (KB)

Total Depth: 3195.00 ft (KB) (TVD)

1928.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 51.37 psig @ 3180.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.08

End Date:

2013.05.08

Last Calib.:

2013.05.08

Start Time:

03:50:45

End Time:

10:04:15

Time On Btm:

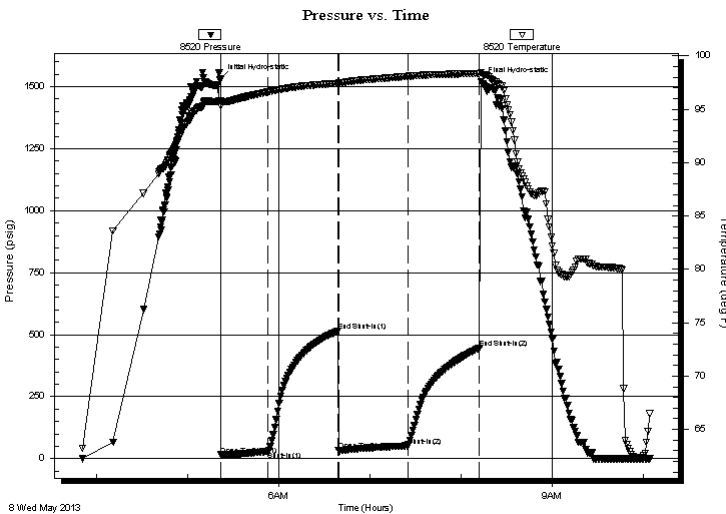
2013.05.08 @ 05:21:45

Time Off Btm:

2013.05.08 @ 08:13:15

TEST COMMENT: IF-Strong building blow . BOB @ 8 minutes.
 ISI-Return @ 2 minutes. Built to 2 inches.
 FF-Strong building blow . BOB @ 10 minutes.
 FSI-Return @ 30 seconds. Built to 4 inches.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.27	95.84	Initial Hydro-static
1	14.95	95.32	Open To Flow (1)
31	28.38	96.63	Shut-In(1)
77	513.92	97.44	End Shut-In(1)
78	32.05	97.49	Open To Flow (2)
123	51.37	98.09	Shut-In(2)
171	446.48	98.36	End Shut-In(2)
172	1519.37	98.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	10%Gas/10%Oil/60%Water/20%Mud	0.42
102.00	10%Gas/50%Oil/20%Water/20%Mud	1.43
0.00	488' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

36/15S/15W-Russell

Streck #1-36

Job Ticket: 52125

DST#: 1

ATTN: Kitt Noah

Test Start: 2013.05.08 @ 03:50:45

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.87 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	10%Gas/10%Oil/60%Water/20%Mud	0.421
102.00	10%Gas/50%Oil/20%Water/20%Mud	1.431
0.00	488' G.I.P.	0.000

Total Length: 132.00 ft

Total Volume: 1.852 bbl

Num Fluid Samples: 0

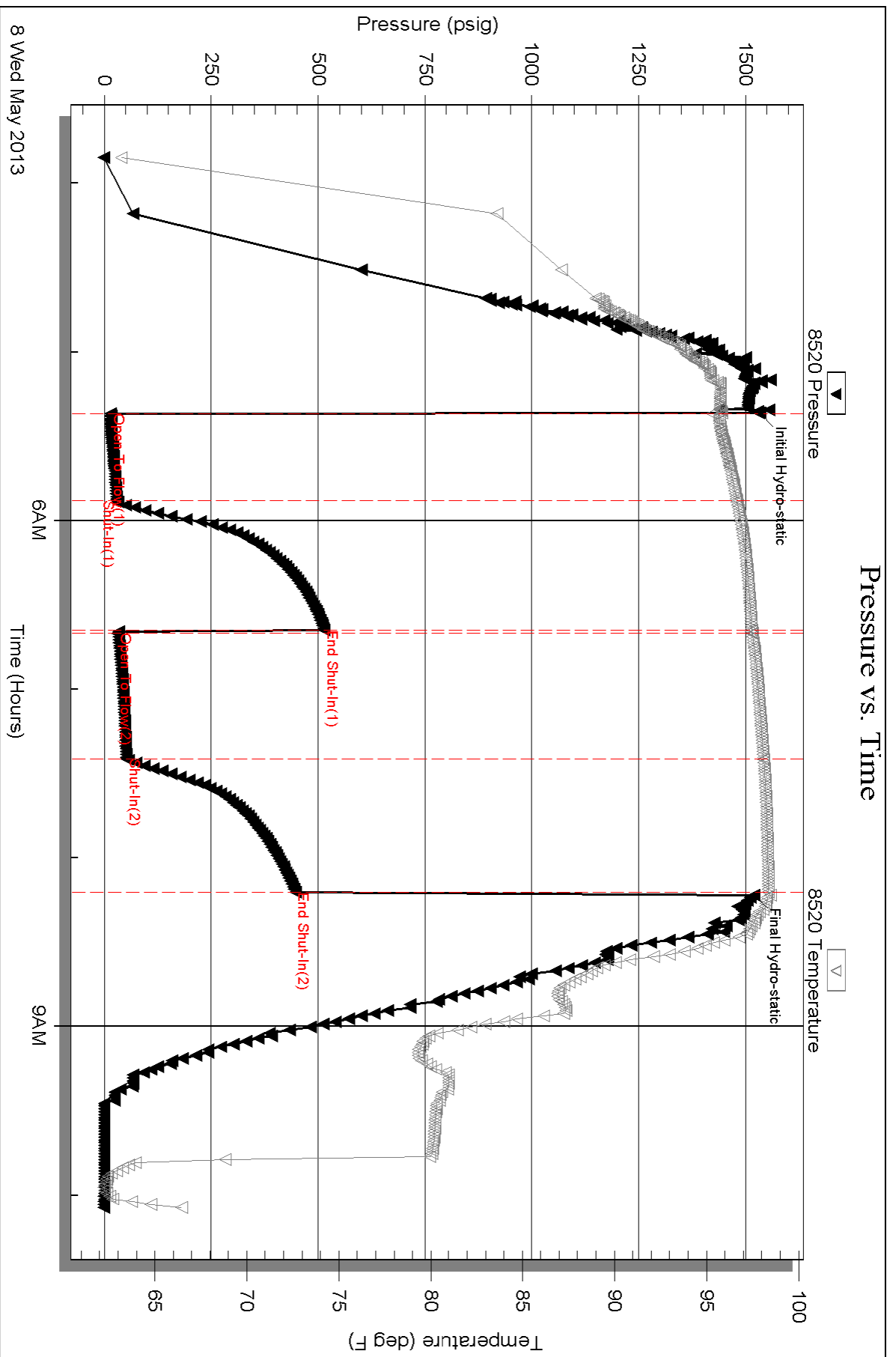
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc.

36/15S/15W-Russell

P.O. Box 8050
Edmond, OK 73083

Streck #1-36

Job Ticket: 52126

DST#: 2

ATTN: Kitt Noah

Test Start: 2013.05.08 @ 18:36:45

GENERAL INFORMATION:

Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:47:55
 Time Test Ended: 23:07:45
 Interval: **3208.00 ft (KB) To 3238.00 ft (KB) (TVD)**
 Total Depth: 3238.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 66
 Reference Elevations: 1933.00 ft (KB)
 1928.00 ft (CF)
 KB to GR/CF: 5.00 ft

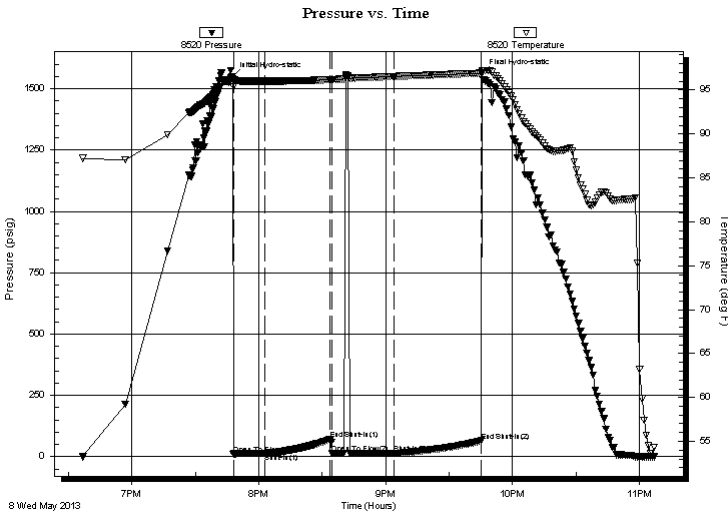
Serial #: 8520

Outside

Press @ Run Depth: 13.76 psig @ 3211.00 ft (KB)
 Start Date: 2013.05.08 End Date: 2013.05.08
 Start Time: 18:36:45 End Time: 23:07:45
 Capacity: 8000.00 psig
 Last Calib.: 2013.05.08
 Time On Btm: 2013.05.08 @ 19:47:45
 Time Off Btm: 2013.05.08 @ 21:45:45

TEST COMMENT: IF-Few bubbles then died.
 ISI-No Return.
 FF-No Blow . Flushed Tool. Few bubbles then died.
 FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.72	96.33	Initial Hydro-static
1	10.80	95.42	Open To Flow (1)
16	12.59	96.03	Shut-In(1)
46	71.28	96.19	End Shut-In(1)
47	12.86	96.19	Open To Flow (2)
76	13.76	96.55	Shut-In(2)
118	64.41	96.93	End Shut-In(2)
118	1562.78	97.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

36/15S/15W-Russell

P.O. Box 8050
Edmond, OK 73083

Streck #1-36

Job Ticket: 52126

DST#: 2

ATTN: Kitt Noah

Test Start: 2013.05.08 @ 18:36:45

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

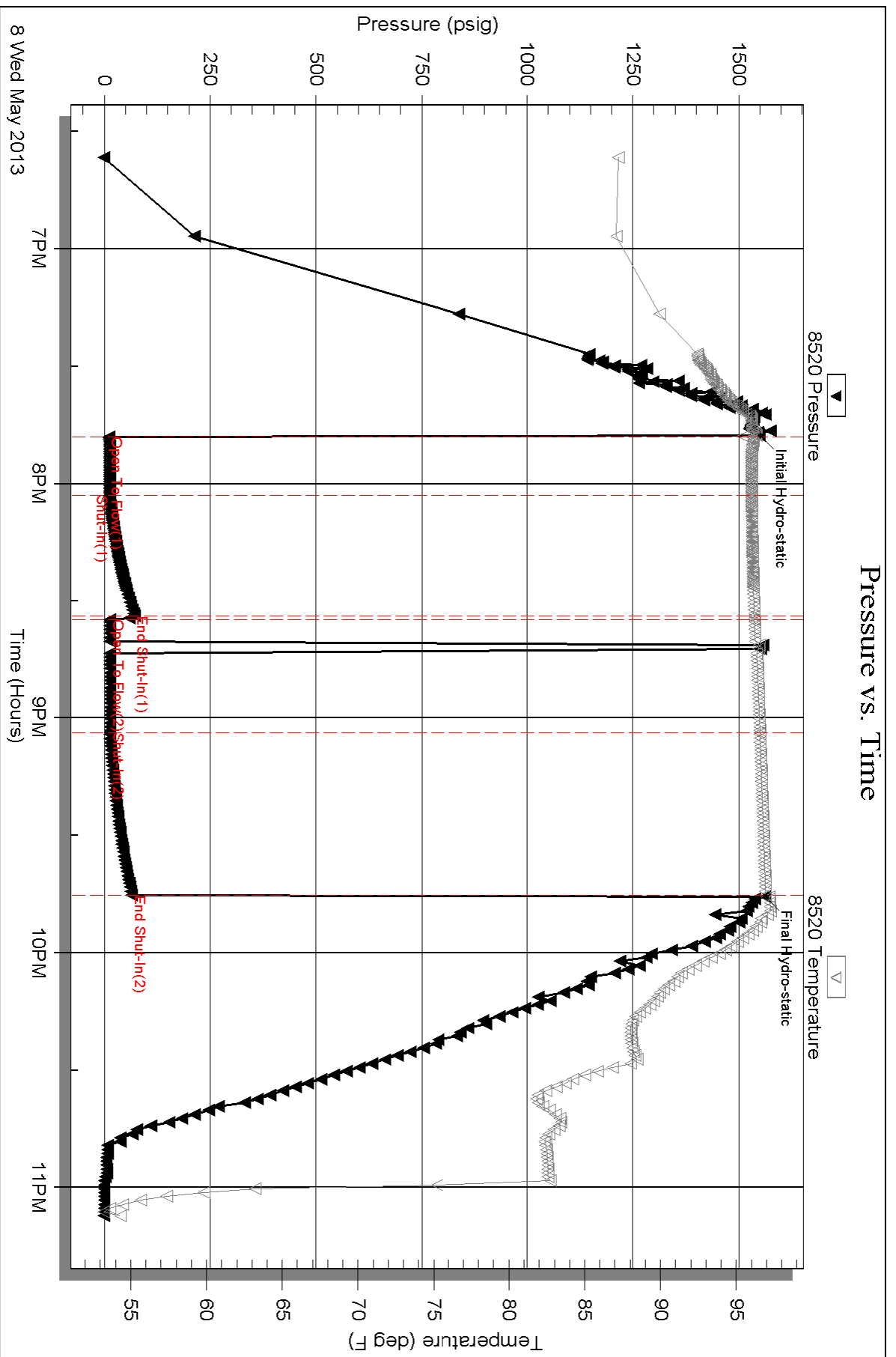
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

36/15S/15W-Russell

P.O. Box 8050
Edmond, OK 73083

Streck #1-36

Job Ticket: 52127

DST#: 3

ATTN: Kitt Noah

Test Start: 2013.05.09 @ 16:51:30

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: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
40.00	10%Gas/30%Oil/60%Mud	0.561
0.00	398' G.I.P.	0.000

Total Length: 40.00 ft Total Volume: 0.561 bbf

Num Fluid Samples: 0

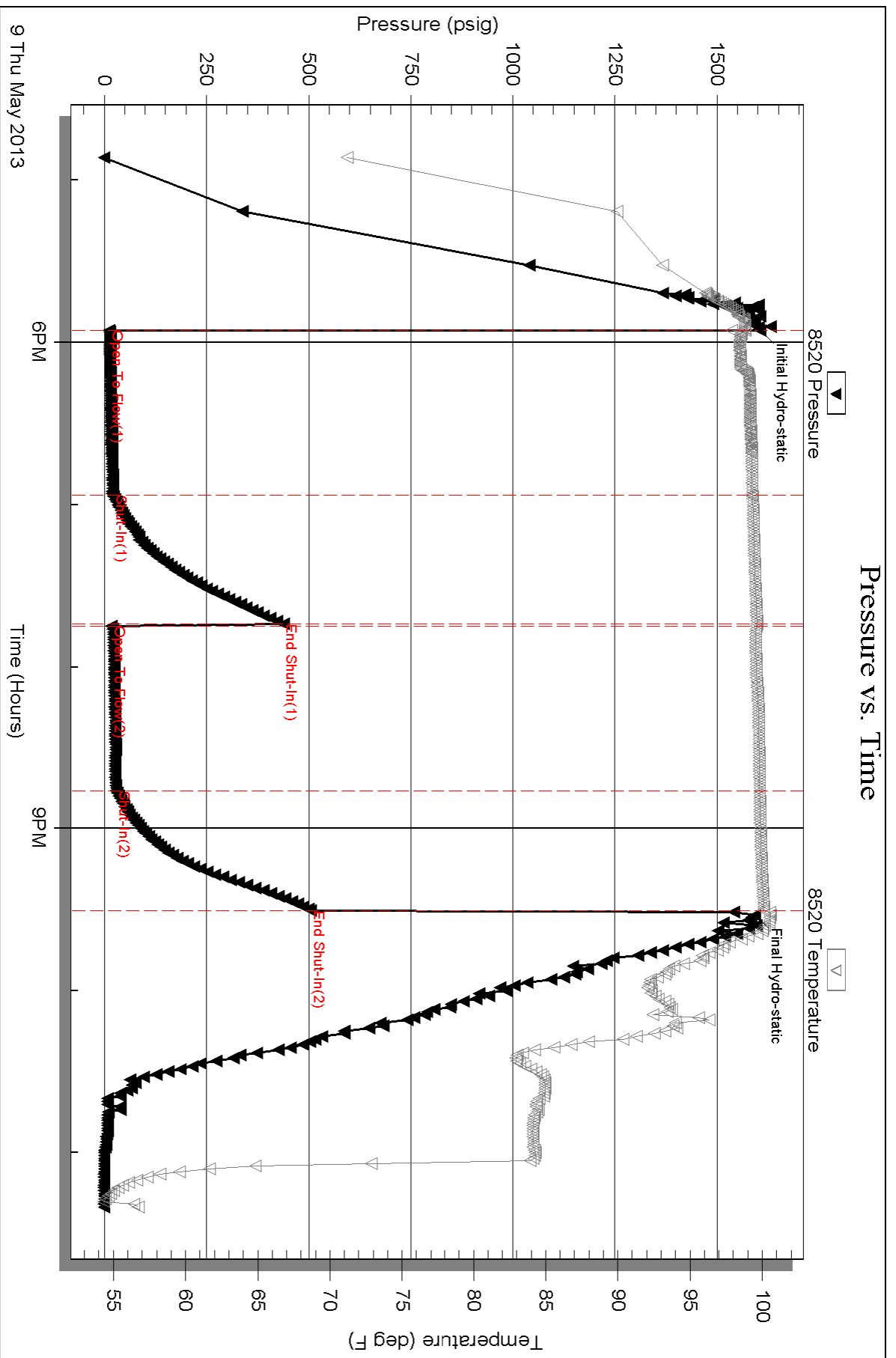
Num Gas Bombs: 0

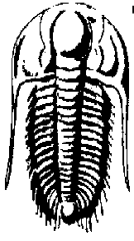
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

36/15S/15W-Russell

Streck #1-36

Job Ticket: 52128

DST#: 4

Test Start: 2013.05.10 @ 12:36:45

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 16:23:45

Interval: 3379.00 ft (KB) To 3410.00 ft (KB) (TVD)

Total Depth: 3410.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Reference Elevations: 1933.00 ft (KB)

1925.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8520 Outside

Press @ RunDepth: psig @ 3382.00 ft (KB)

Start Date: 2013.05.10

End Date: 2013.05.10

Start Time: 12:36:45

End Time: 16:23:45

Capacity: 8000.00 psig

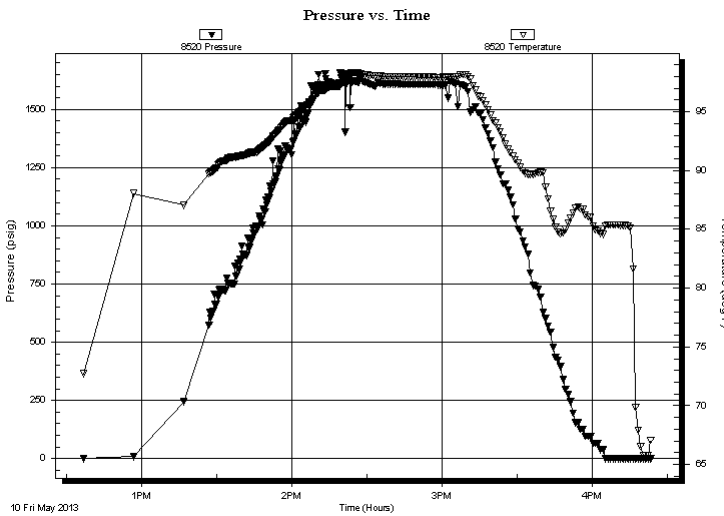
Last Calib.: 2013.05.10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Misrun.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
260.00	100%Mud	3.65

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

36/15S/15W-Russell

P.O. Box 8050
Edmond, OK 73083

Streck #1-36

Job Ticket: 52128

DST#: 4

ATTN: Kitt Noah

Test Start: 2013.05.10 @ 12:36:45

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	100%Mud	3.647

Total Length: 260.00 ft Total Volume: 3.647 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8520

Outside Russell Oil, Inc.

Streck #1-36

DST Test Number: 4

