



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1082047
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: _____

1082047

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

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

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Keil A 3-32
Doc ID	1082047

Tops

Name	Top	Datum
ANHYDRITE	927	+1002
BASE ANHYDRITE	958	+972
TOPEKA	2847	-198
HEEBNER	3077	-1148
TORONTO	3094	-1165
LANSING	3139	-1210
MUNCIE CREEK	3280	-1351
BASE KC	3379	-1450
ARBUCKLE	3399	-1470

Customer Russell O.L.		Lease No.		Date 4-27-17	
Lease Keil A		Well # 3-32			
Field Order # 05878A	Station Pratt	Casing 5 1/2	Depth 3483	County Russell	State KS
Type Job 5 1/2 L.S.	Formation CML	Formation T.O. 3-520	Legal Description 32-15-14		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2		24		BBL Super Flush				
Depth 3483	Depth	From	To	Pre Pad	Max		5 Min.	
		160	AA2	@ 15.30				
Volume 82.37	Volume	From	To	Pad	Min		10 Min.	
Max Press 1000+	Max Press	From	To	Frac	Avg	Plus R.H.	15 Min.	
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3461	Packer Depth	From	To	Flush	Gas Volume		Total Load	
				0.50 2% KCL				

Customer Representative Todd Brown		Station Manager Scotty		Treater Allen	
Service Units	2244	Brand	mitchell	1983	1986
Driver Names	Allen	1989	1984	Jessie	Peine

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
845 pm					on loc. Discuss Safety, Setup Plan Job Lay down Kelly Rig up To Run 5 1/2 csg. 15 5" shoe joint + 2189 w/ Reg Guide Shoe, Insert Float in collar - Cent. 2-4-6-9-10- 11-13-15-17-19-64-70-76-81
1100			24	5	Pipe @ 3483 CIR w/ Rig. Good CIR. Pump 24 BBLs super flush TI Pump 5 BBLs N50 spacer mix + Pump 160 sks AA2 @ 15.3
AM			39		Finish mix cut, washout, P.L.
1230	500+			5	Start Disp.
1245	1000+		82	4	Caught Lift PSI w/ 52 BBL out Plug down Release PSI 0*
	0+				Plug R.H. w/ 30 sks 60/40 Poz washup + Breakup Equip.
145					Job complete Thanks Allen, Bradley, Jessie

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 330

Cell 785-324-1041

Date	4-20-12	Sec.	32	Twp.	15	Range	14	County	Rawl	State	KS	On Location		Finish	5:00am
Lease	KEP1	Well No.	A 3-32	Location	Mileage 212E 5.11+0										
Contractor	Southwind #46														
Type Job	Surface														
Hole Size	12 1/4														
T.D.	930														
Csg.	85/8														
Depth	936														
Tbg. Size															
Depth															
Tool															
Depth															
Cement Left in Csg.	25														
Shoe Joint	25														
Displace	5.71236														
Meas Line															

EQUIPMENT			Owner
Pumptrk	No.	Cement Helper	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementier and helper to assist owner or contractor to do work as listed.
	5	Sta's	
Bulktrk	No.	Driver	Charge
		DRY	Russell 01
Bulktrk	No.	Driver	Street
	12	Mix	
		Driver	City
		Driver	State

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

DV or Port Collar

85/8 on bottom. E3+ Greaseter. M.X.

320 sec yellow plug - Cement + Cemented.

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge

Mileage

85/8 Ball Valve

Rubber Plug

FLOAT EQUIPMENT

X	Signature	W. J. [Signature]	Total Charge	
	Discount			
	Tax			

Limited Service and/or Used Materials are sold "as is, without warranty either expressed or implied."



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc
 PO Box 8050
 Edmund, OK. 73083
 ATTN: Kitt Noah

32-15s-14w-Russell
Keil A #3-32
 Job Ticket: 47325 **DST#: 1**
 Test Start: 2012.04.24 @ 00:04:44

GENERAL INFORMATION:

Formation: **LKC-"A-B"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 01:58:29
 Time Test Ended: 06:40:14
 Interval: **3111.00 ft (KB) To 3172.00 ft (KB) (TVD)**
 Total Depth: 3172.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1929.00 ft (KB)
 1921.00 ft (CF)
 KB to GR/CF: 8.00 ft

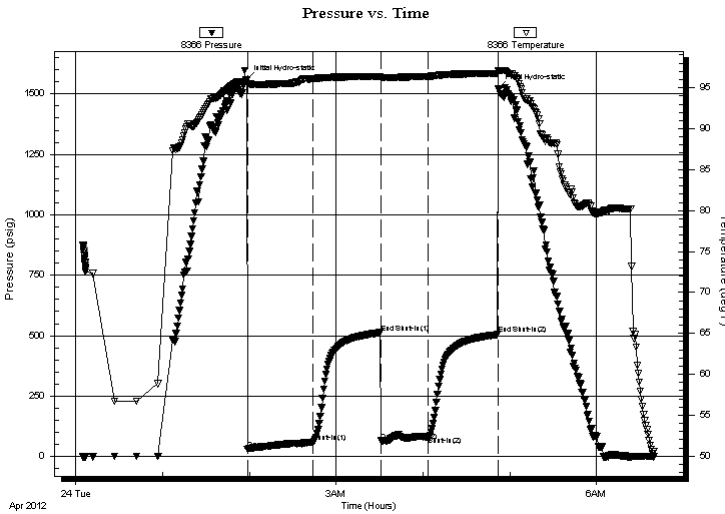
Serial #: 8366

Inside

Press @ Run Depth: 84.41 psig @ 3146.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.24 End Date: 2012.04.24 Last Calib.: 2012.04.24
 Start Time: 00:04:46 End Time: 06:40:14 Time On Btm: 2012.04.24 @ 01:57:59
 Time Off Btm: 2012.04.24 @ 04:51:59

TEST COMMENT: IFP-Fair Blow , Built to 5-1/2"
 ISI-Dead
 FFP-Weak Blow , Built to 2-3/4"
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1557.68	95.92	Initial Hydro-static
1	30.54	95.35	Open To Flow (1)
46	60.33	96.13	Shut-In(1)
93	512.51	96.40	End Shut-In(1)
93	64.70	96.21	Open To Flow (2)
126	84.41	96.40	Shut-In(2)
174	504.48	96.77	End Shut-In(2)
174	1523.38	97.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	WM 30%W 70%M	1.12
10.00	VSOCWM 3%O 25%W 72%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc
PO Box 8050
Edmund, OK. 73083
ATTN: Kitt Noah

32-15s-14w-Russell
Keil A #3-32
Job Ticket: 47325 **DST#: 1**
Test Start: 2012.04.24 @ 00:04:44

Mud and Cushion Information

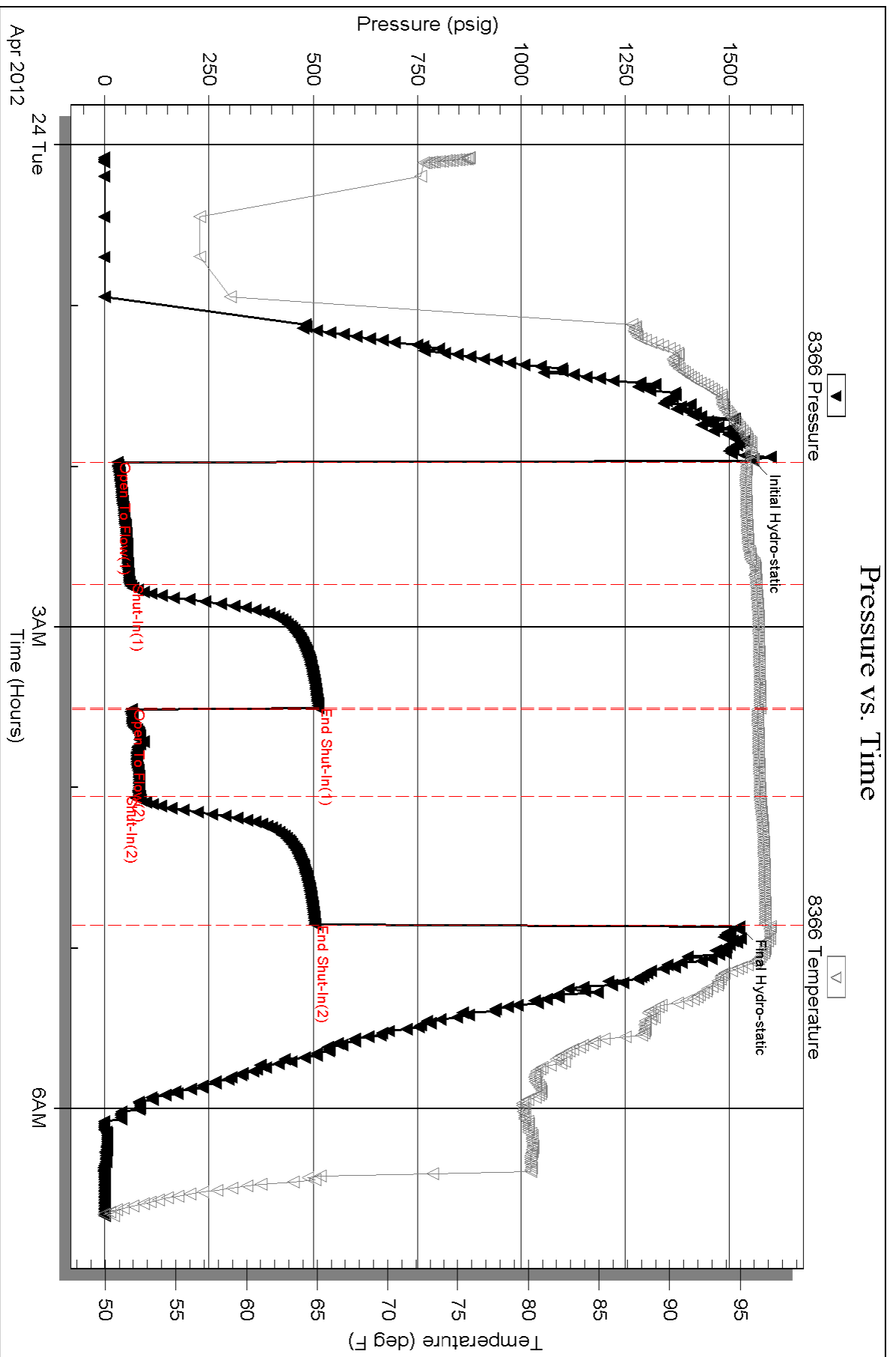
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	WM 30%W 70%M	1.122
10.00	VSOCWM 3%O 25%W 72%M	0.140

Total Length: 90.00 ft Total Volume: 1.262 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





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Russell Oil, Inc
 PO Box 8050
 Edmund, OK. 73083
 ATTN: Kitt Noah

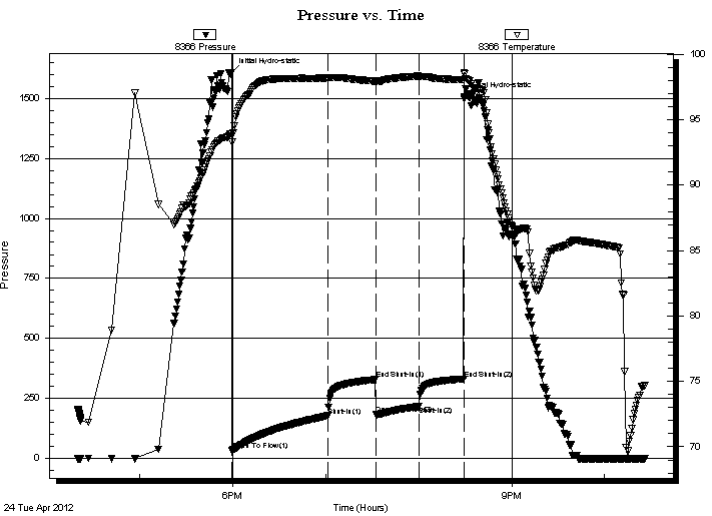
32-15s-14w-Russell
Keil A #3-32
 Job Ticket: 47276 **DST#: 2**
 Test Start: 2012.04.24 @ 16:19:46

GENERAL INFORMATION:

Formation: **E-F**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 17:59:31
 Time Test Ended: 22:26:01
 Interval: **3206.00 ft (KB) To 3238.00 ft (KB) (TVD)**
 Total Depth: 3238.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1929.00 ft (KB)
 1921.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8366 **Inside**
 Press @ Run Depth: 217.65 psig @ 3210.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.24 End Date: 2012.04.24 Last Calib.: 2012.04.24
 Start Time: 16:19:48 End Time: 22:26:01 Time On Btm: 2012.04.24 @ 17:59:16
 Time Off Btm: 2012.04.24 @ 20:29:16

TEST COMMENT: IFP-Strong, BOB in 2-1/2 Min., Weaker at End
 ISI-Dead
 FFP-Fair Blow, Built to 10"
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.49	93.95	Initial Hydro-static
1	32.09	93.29	Open To Flow (1)
62	177.59	98.19	Shut-In(1)
93	328.41	97.96	End Shut-In(1)
93	182.37	97.85	Open To Flow (2)
121	217.65	98.33	Shut-In(2)
150	330.52	98.07	End Shut-In(2)
150	1508.43	98.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	Muddy Water-95%W-5%M	5.89
0.00	480' Gas In Pipe	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
PO Box 8050
Edmund, OK. 73083
ATTN: Kitt Noah

32-15s-14w-Russell
Keil A #3-32
Job Ticket: 47276 **DST#: 2**
Test Start: 2012.04.24 @ 16:19:46

Mud and Cushion Information

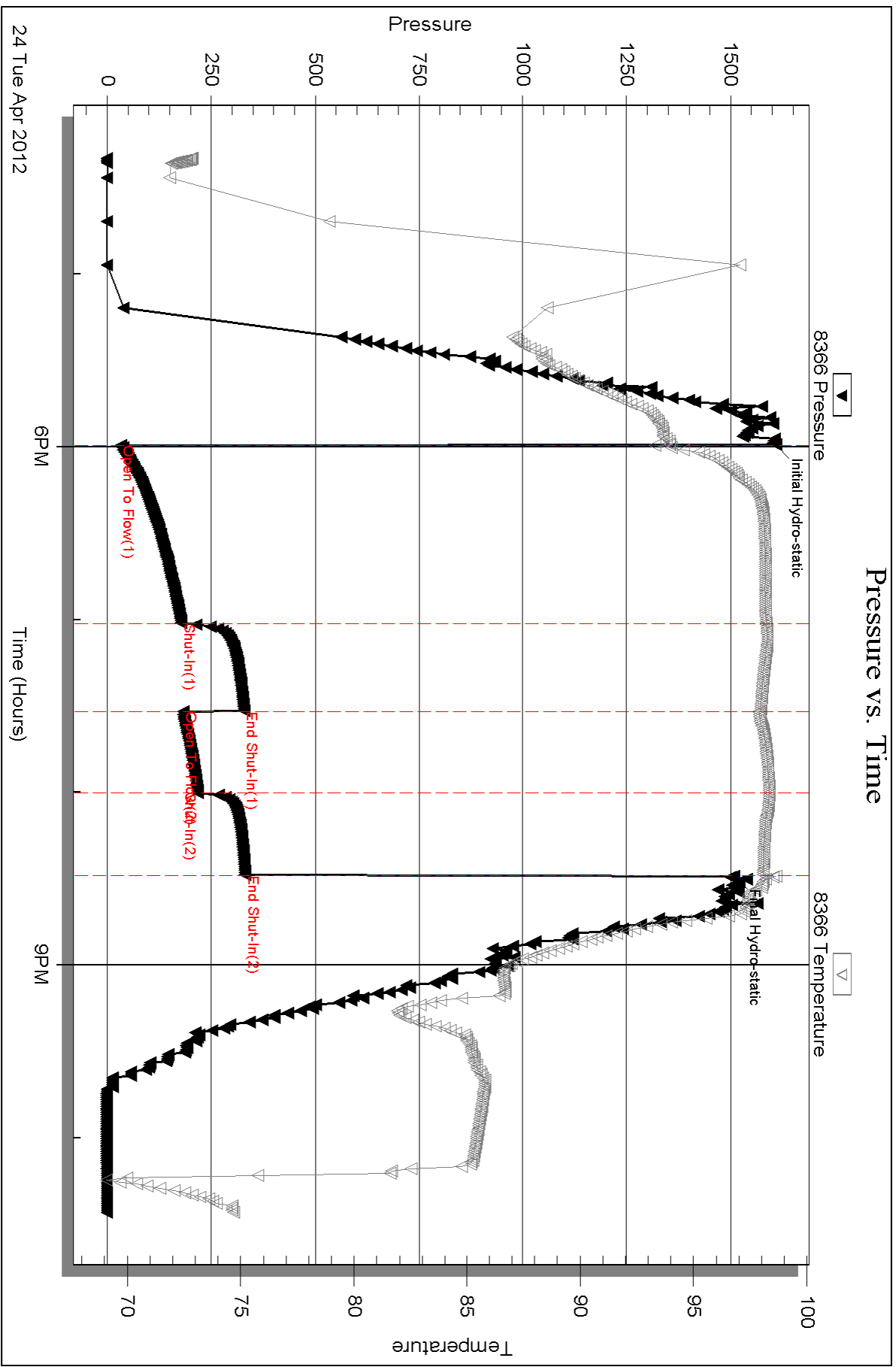
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	47000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	Muddy Water-95%W-5%M	5.891
0.00	480' Gas In Pipe	0.000

Total Length: 420.00 ft Total Volume: 5.891 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
 Edmund, OK. 73083
 ATTN: Kitt Noah

32-15s-14w-Russell
Keil A #3-32
 Job Ticket: 47277 **DST#: 3**
 Test Start: 2012.04.25 @ 12:02:08

GENERAL INFORMATION:

Formation: **H-I-J**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 13:23:38
 Time Test Ended: 18:02:53
 Interval: **3283.00 ft (KB) To 3334.00 ft (KB) (TVD)**
 Total Depth: 3334.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1929.00 ft (KB)
 1921.00 ft (CF)
 KB to GR/CF: 8.00 ft

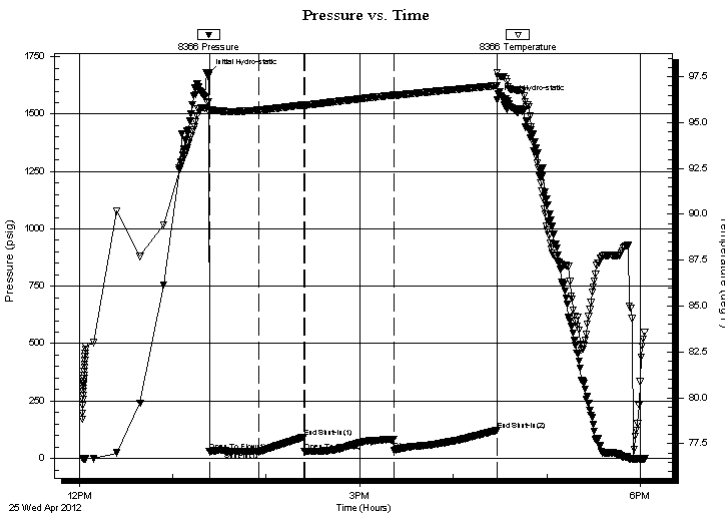
Serial #: 8366

Inside

Press @ Run Depth: 33.78 psig @ 3321.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.25 End Date: 2012.04.25 Last Calib.: 2012.04.25
 Start Time: 12:02:10 End Time: 18:02:53 Time On Btm: 2012.04.25 @ 13:23:23
 Time Off Btm: 2012.04.25 @ 16:28:23

TEST COMMENT: IFP-Weak Blow , Built to 3-1/2"
 ISI-Dead
 FFP-Fair Blow , Built to 5-1/2"
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.21	96.16	Initial Hydro-static
1	31.82	95.53	Open To Flow (1)
32	31.72	95.68	Shut-In(1)
61	92.97	95.96	End Shut-In(1)
62	30.33	95.94	Open To Flow (2)
119	33.78	96.46	Shut-In(2)
185	123.03	97.01	End Shut-In(2)
185	1560.93	97.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil Cut Mud-10%O-90%M	0.42

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc
PO Box 8050
Edmund, OK. 73083
ATTN: Kitt Noah

32-15s-14w-Russell
Keil A #3-32
Job Ticket: 47277 **DST#: 3**
Test Start: 2012.04.25 @ 12:02:08

Mud and Cushion Information

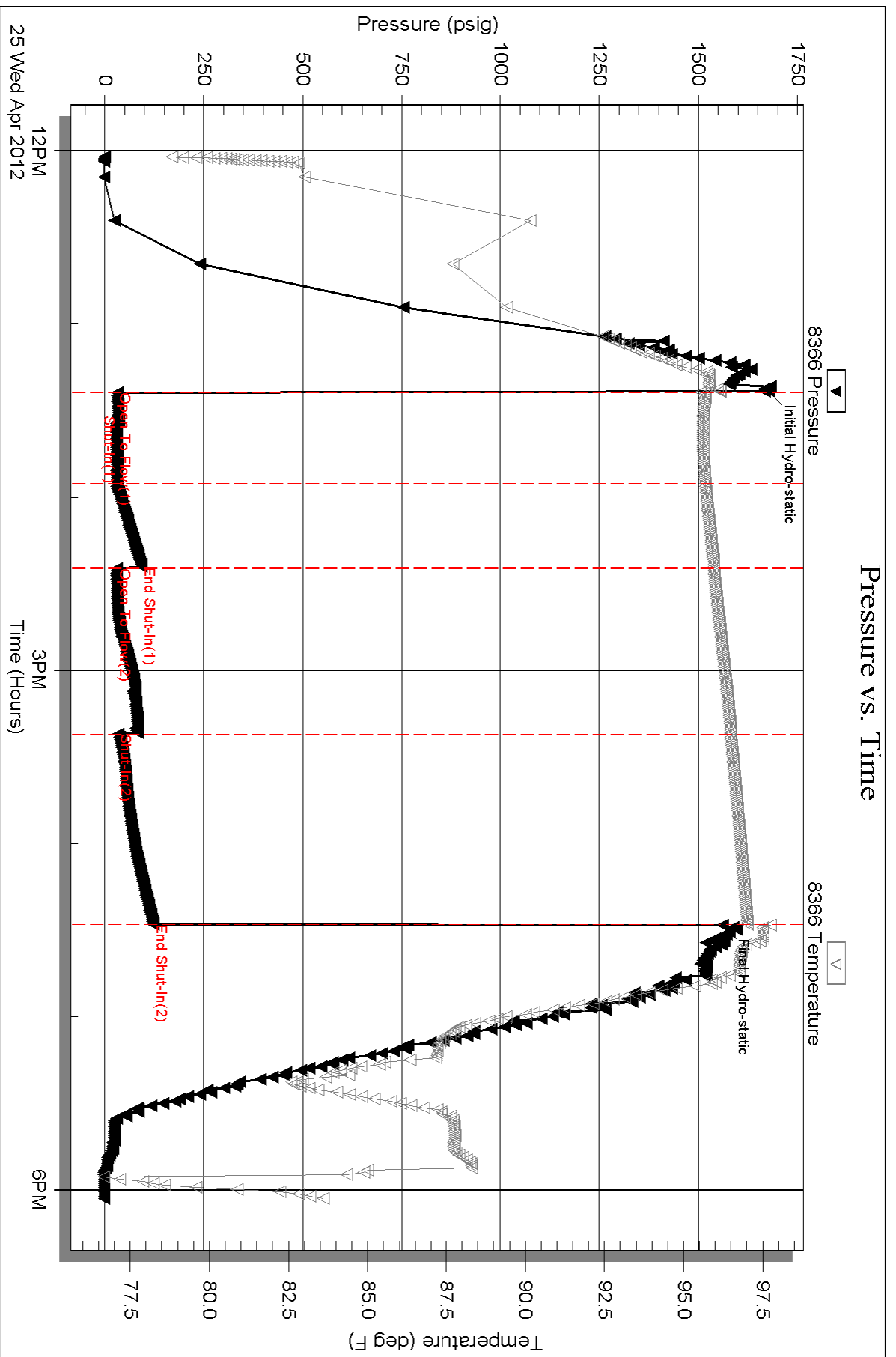
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil Cut Mud-10%O-90%M	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
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DRILL STEM TEST REPORT

Russell Oil, Inc
PO Box 8050
Edmund, OK. 73083
ATTN: Kitt Noah

32-15s-14w-Russell

Keil A #3-32

Job Ticket: **DST#: 4**

Test Start: 2012.04.26 @ 02:53:36

GENERAL INFORMATION:

Formation: **LKC-"K-L"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 04:40:21
 Time Test Ended: 08:29:21
 Interval: **3345.00 ft (KB) To 3383.00 ft (KB) (TVD)**
 Total Depth: 3383.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1929.00 ft (KB)
 1921.00 ft (CF)
 KB to GR/CF: 8.00 ft

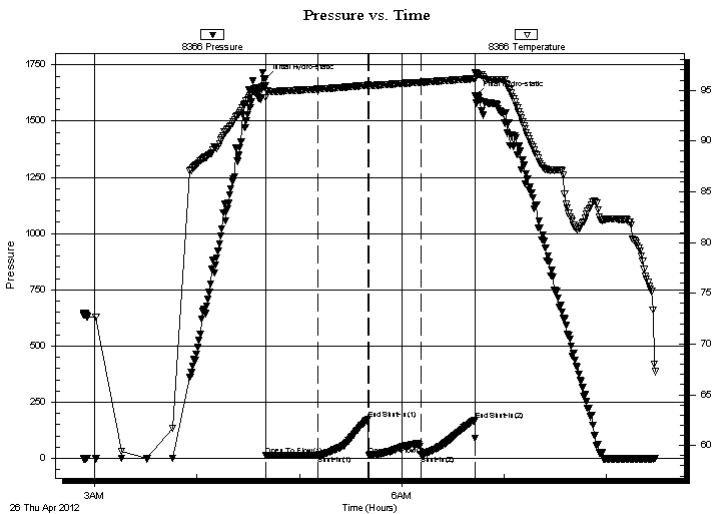
Serial #: 8366

Inside

Press @ RunDepth: 16.15 psig @ 3350.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.26 End Date: 2012.04.26 Last Calib.: 2012.04.26
 Start Time: 02:53:38 End Time: 08:29:21 Time On Btm: 2012.04.26 @ 04:40:06
 Time Off Btm: 2012.04.26 @ 06:43:21

TEST COMMENT: IFP Weak Surface Blow
 ISI-Dead
 FFP-

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1690.04	95.45	Initial Hydro-static
1	13.22	94.29	Open To Flow (1)
31	15.19	95.12	Shut-In(1)
61	174.61	95.50	End Shut-In(1)
61	15.42	95.42	Open To Flow (2)
92	16.15	95.77	Shut-In(2)
123	170.39	96.14	End Shut-In(2)
124	1612.10	96.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Spots	0.04

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc
PO Box 8050
Edmund, OK. 73083
ATTN: Kitt Noah

32-15s-14w-Russell
Keil A #3-32
Job Ticket: **DST#: 4**
Test Start: 2012.04.26 @ 02:53:36

Mud and Cushion Information

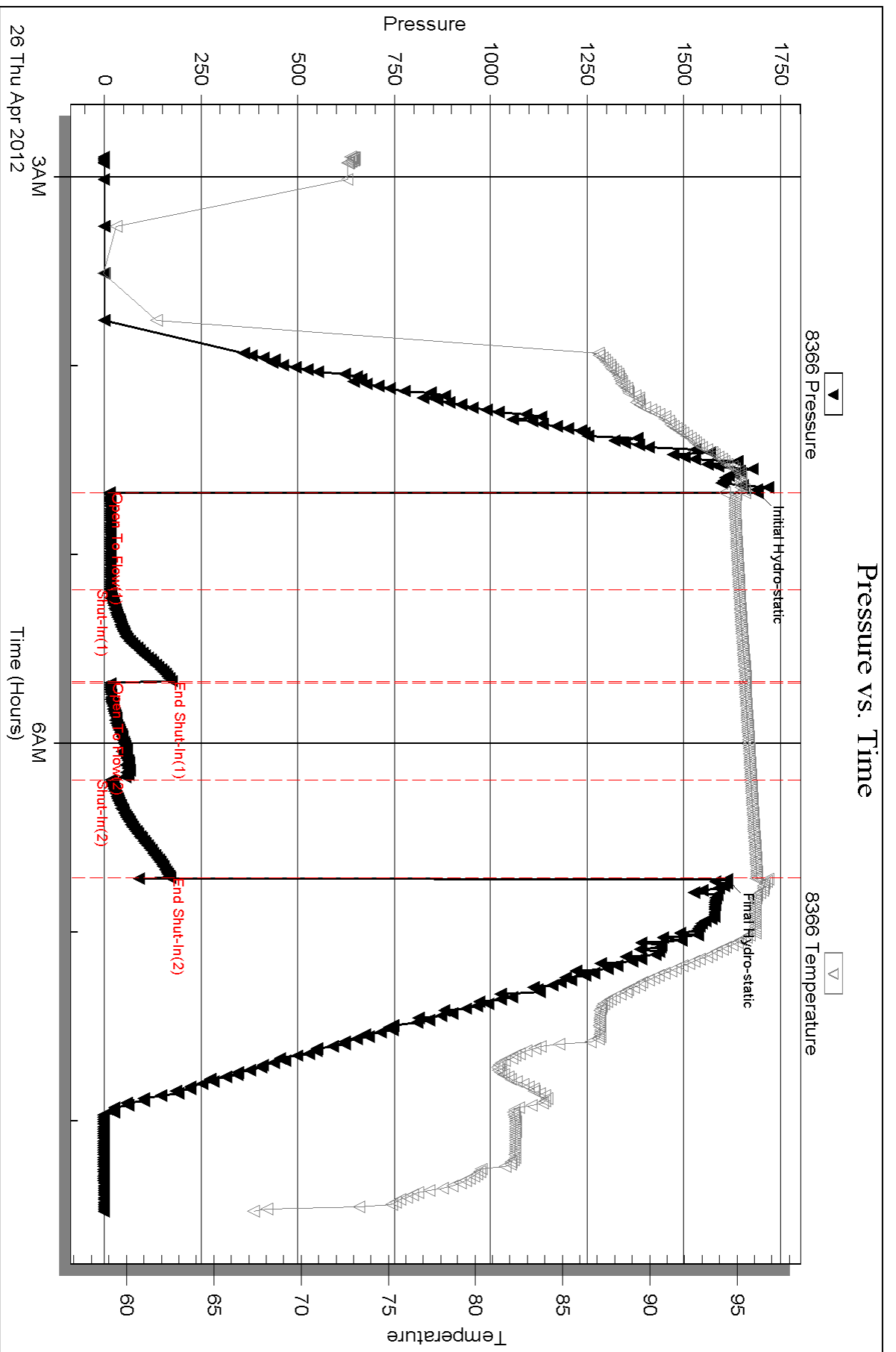
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud W/Oil Spots	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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 ATTN: Kitt Noah

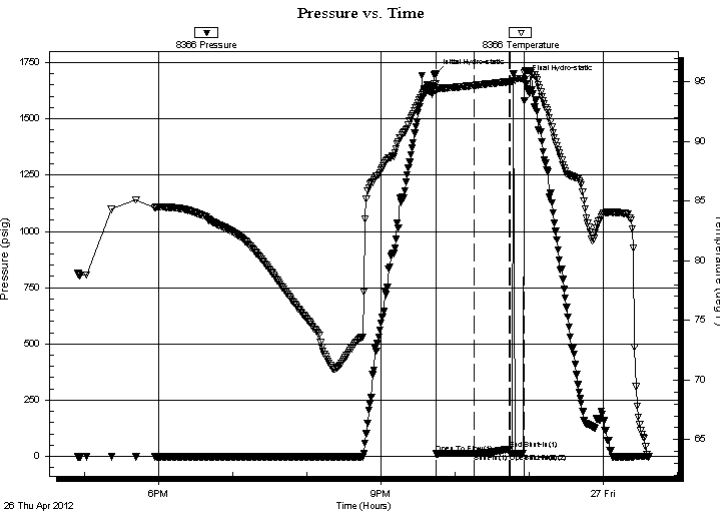
32-15s-14w-Russell
Keil A #3-32
 Job Ticket: 47279 **DST#: 5**
 Test Start: 2012.04.26 @ 16:54:57

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 21:44:42
 Time Test Ended: 00:37:42
 Interval: **3376.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: 3410.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1929.00 ft (KB)
 1921.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8366 Inside
 Press @ Run Depth: 13.28 psig @ 3377.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.26 End Date: 2012.04.27 Last Calib.: 2012.04.27
 Start Time: 16:54:59 End Time: 00:37:42 Time On Btm: 2012.04.26 @ 21:44:27
 Time Off Btm: 2012.04.26 @ 22:56:27

TEST COMMENT: IFP-Weak, Died in 5 Min.
 ISI-Dead
 FFP-Dead, Flush Tool, Still Dead, Pull Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.25	94.88	Initial Hydro-static
1	12.00	94.19	Open To Flow (1)
31	13.28	94.71	Shut-In(1)
60	32.70	95.02	End Shut-In(1)
60	13.00	95.02	Open To Flow (2)
71	14.32	95.29	Shut-In(2)
72	1675.55	95.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling Mud	0.03

* 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
PO Box 8050
Edmund, OK. 73083
ATTN: Kitt Noah

32-15s-14w-Russell
Keil A #3-32
Job Ticket: 47279 **DST#: 5**
Test Start: 2012.04.26 @ 16:54:57

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

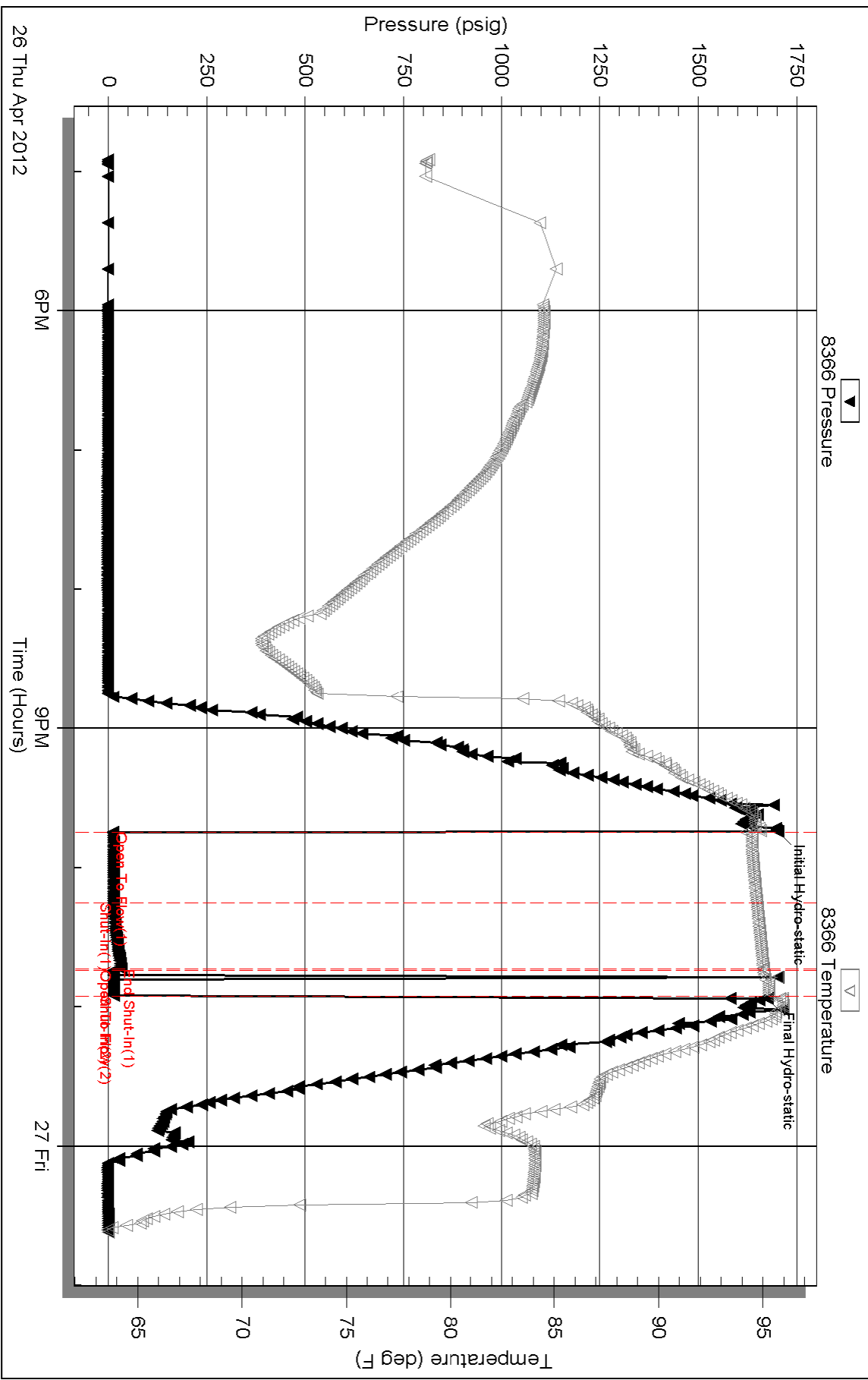
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drilling Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



Keil "A" #3-32 Drilling Report

Russell Oil, Inc.
Keil "A" #3-32
 2310'FN & 880'FE
 Section 32-15S-14W
 Russell County, Kansas
 #15-167-23,790

KB: 1929
 GL: 1921

Reference Well A: *Russell Oil Keil "A" #1-32 1910'FN & 1660'FE Sec 32-15S-14W*
Reference Well B: *Russell Oil Keil "A" #2-32 1650'FN & 960'FE Sec 32-15S-14W*

<u>SAMPLE TOPS</u>				<u>ELECTRIC LOG TOPS</u>			
		<u>A:</u>	<u>B:</u>			<u>A:</u>	<u>B:</u>
Anhydrite	927 (+1002)	+1	-5	Anhydrite	927 (+1002)	+1	-5
B/Anhydrite	957 (+972)	+2	-3	B/Anhydrite	958 (+971)	+1	-2
Howard	2777 (-846)	-4	-2	Howard	2775 (-846)	-4	-2
Topeka	2851 (-922)	-4	-3	Topeka	2847 (-918)	flat	+1
Heebner	3088 (-1151)	-2	-2	Heebner	3077 (-1148)	+1	+1
Toronto	3096 (-1167)	-2	flat	Toronto	3094 (-1165)	flat	+2
Lansing	3142 (-1213)	-1	-2	Lansing	3139 (-1210)	+2	+1
Mun Creek	3285 (-1356)	-2	-3	Mun Creek	3280 (-1351)	+3	+2
B/KC	3384 (-1455)	-2	-6	BKC	3379 (-1450)	+3	-1
Arbuckle	3400 (-1471)	-10	-11	Arbuckle	3399 (-1470)	-9	-10
RTD	3450 (-1521)			LTD	3448 (-1519)		
DDTD	3520 (-1591)			DDTD	Not Logged		

Sample Shows and Drill Stem Tests:

7am 4-23-12: Drilling at 2944'

Topeka Plattsmouth 50' zone:

Limestone, cream; fossiliferous; oolitic, poor to fair interparticle porosity; 1-2 pieces golden brown saturated stain; slight to fair show of free oil on break; slight to fair odor.

Toronto:

Circulate 3117'

Limestone, cream-gray; fossiliferous; very oolitic, 1-2 pieces vugular porosity; light brown spotty stain; slight to fair show of free oil on break; slight questionable odor; one piece with fair show of free oil in 40" circulation sample.

Lansing "A":

Circulate 3158'

DST #1

Limestone, cream; fossiliferous; overall poor interparticle porosity; scattered vugular porosity; some possible fracture porosity with secondary crystalline growth; light golden brown subsaturated stain; slight to fair show of free oil; fair gassy odor.

Lansing "B":

Circulate 3172'

DST #1

Limestone, gray-tan; fossiliferous and oolitic; some pelletoid; poor to fair interparticle porosity; light brown subsaturated stain; slight to fair show of free oil; slight to fair odor—few pieces barren porosity in 40" circulation sample.

DST #1:

Trilobite Testing Co., Inc. - Hays

Lansing "A-B"

Jason McLemore; Tester

3111-3172

1st Op: Steady Bldg 5 1/2"

No Blowback

2nd Op: Weak Bldg 2 3/4"

No Blowback

Rec:

10' VSOCWM (3%O, 25%W, 72%M)

80' WM (30%W, 70%M)

90' Total Fluid

IFP: 31-60#/45"

ISIP: 513#/45"

FFP: 65-84#/30"

FSIP: 504#/45"

Chlor: 15,600 ppm

Pipe Strap at 3172': 2.38 Board Long

7am 4-24-12: 3172' – Heading back to bottom after DST #1

Lansing "C":

Circulate 3187'

Limestone, white; finely oolitic; fair oolitic porosity; light to medium brown subsaturated stain – some rare saturated stain; slight to fair show of free oil; fair odor—flood of barren porosity in 40" circulation sample.

Lansing "F":

Circulate 3238'

DST #2

Limestone, cream-gray; very fossiliferous and oolitic; some pelletoid; some pieces appear crystalline and dolomitic; scattered vugular porosity; light brown spotty stain; slight show of free oil; slight to fair gassy odor.

DST #2:

Trilobite Testing Co., Inc. - Hays

Lansing "E-F"

Jason McLemore; Tester

3206-3238

1st Op: BOB 2 1/2"

No Blowback

2nd Op: Fair Bldg 10"

No Blowback

Rec:
480' GIP
420' MW (95%W, 5%M)

IFP: 32-178#/60"
ISIP: 328#/30"
FFP: 182-218#/30"
FSIP: 331#/30"
Chlor: 47,000 ppm

Lansing "G": *Circulate 3252'*
Limestone, cream-tan; dolomitic; some pieces oolitic; overall very oolitic; poor to fair oolitic porosity; barren; no show of free oil; no odor.

Top of "G" zone thinned considerably...break came in 4 feet higher than expected....

Lansing "H": *Circulate 3298'* **DST #3**
Limestone, gray-tan; slightly fossiliferous; mostly dense with isolated pinpoint porosity and fracture porosity; 1-2 pieces very light brown spotty edge stain; very slight show of free oil; slight odor.

7am 4-25-12: 3301' - Drilling ahead

Lansing "I": *Circulate 3316'* **DST #3**
Limestone, cream; very oolitic; pelletoid; some secondary crystalline growth between oolites; poor to fair interparticle porosity; light to medium brown subsaturated to saturated stain; slight show of free oil; slight to fair gassy odor – slight to fair show of free oil and gas on break in 40" circulation sample.

Lansing "J": *Circulate 3334'* **DST #3**
Limestone, cream-gray; fossiliferous and oolitic; rare pieces suboolitic; fair pinpoint porosity; light brown saturated stain; slight show of free oil; slight odor.

DST #3: *Trilobite Testing Co., Inc. - Hays*
Lansing "H-J" *Jason McLemore; Tester*
3283-3334
1st Op: Weak Bldg 3 1/2"
No Blowback
2nd Op: Fair Bldg 5 1/2"
No Blowback

Rec:
30' OCM (10%O, 90%M)

IFP: 32-32#/30”
ISIP: 93#/30”
FFP: 30-34#/60”
FSIP: 123#/60”

Lansing “K”: *Circulate 3366’* **DST #4**
Limestone, cream; oolitic; appears chalky; poor interparticle porosity; few pieces very light brown isolated spotty stain; very slight show of free oil; slight questionable odor.

Lansing “L”: *Circulate 3383’* **DST #4**
Limestone, cream; fossiliferous and oolitic; fair pinpoint porosity; abundant pieces medium brown subsaturated stain; slight show of free oil – gas on break; slight gassy odor.

7am 4-26-12: 3383’ – Tripping out for DST #4

DST #4: *Trilobite Testing Co., Inc. - Hays*
Lansing “K-L” *Jason McLemore; Tester*

3345-3383
1st Op: Weak Surface Blow
No Blowback
2nd Op: Dead Blow
No Blowback

Rec:
3’ Mud w/oil spots

IFP: 13-15#/30”
ISIP: 175#/30”
FFP: 15-16#/30”
FSIP: 170#/30”

Arbuckle 0-6’ in. (-1477) *Circulate 3406’* **DST #5**
Dolomite, white; fine crystalline; poor intercrystalline porosity; fair pinpoint porosity; few pieces very dark brown subsaturated stain—appears very tight; slight show of free oil – slow gas on break accompanied by heavy pinpoint beads of oil; fair pungent odor – overall 80% barren.

Arbuckle 6-10’ in. (-1481) *Circulate 3410’* **DST #5**
Dolomite, white; fine to rare medium crystalline; some pieces rhombic dolomite; poor intercrystalline porosity; few pieces medium brown subsaturated stain – rx 95% barren; slight show of free oil –gas on break; slight pungent odor.

DST #5:

Arbuckle 0-10'in: (-1481)

3376-3410

1st Op: Weak Blow; Died 5 min.

No Blowback

2nd Op: Dead Blow; Flush Tool; No Help; Pulled Test

Trilobite Testing Co., Inc. - Hays

Jason McLemore; Tester

Rec:

2' Mud

IFP: 12-13#/30"

ISIP: 33#/30"

FFP: 13-14#/10"

FSIP: Not Taken

Arbuckle 10-20'in: (-1491)

Circulate 3420'

Dolomite, white; fine to medium crystalline; some friable; very pyritic; sucrosic; poor intercrystalline porosity; rare pieces light brown spotty stain – rx 95% barren; no show of free oil; fair to strong pungent odor.

7am 4-27-12: 3450' – Tripping out of hole for logs

Heading to bottom...will deepen hole to 3520' for disposal well...will set 5 ½" casing overnight...

FINAL REPORT

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

May 21, 2012

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

Re: ACO1
API 15-167-23790-00-00
Keil A 3-32
NE/4 Sec.32-15S-14W
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