



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

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

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

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

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

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

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



1048464

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

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

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

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

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Steinle 1-32
Doc ID	1048464

All Electric Logs Run

MICRORESISTIVITY
DUAL INDUCTION
BOND LOG
POROSITY LOG

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Steinle 1-32
Doc ID	1048464

Tops

Name	Top	Datum
ANHYDRATE	932	+996
BASE OF ANHYDRATE	964	+964
TOPEKA	2843	-915
HEEBNER	3074	-1146
TORONTO	3074	-1160
LANSING	3136	-1208
BASE OF KANSAS CITY	3372	-1444
ARBUCKLE	3395	-1467

Customer Russell Oil Inc.		Lease No.		Date	
Lease Steinle		Well # 21-22		9-16-10	
Field Order # 021630A	Station Pratt KS	Casing 5 1/2"	Depth 3402	County Russell	State Kansas
Type Job 5 1/2" L.S.	Formation C2242 TD 3410 1 TD 3403	Legal Description 32-15-14			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid 24 BBT super flush	II	RATE	PRESS	ISIP
Depth 3402	Depth	From	To	Pre Pad 5 BBL H2O	Max			5 Min.
Volume 80.5	Volume	From	To	Pad 25 SKS 60/40 Poz	Min			10 Min.
Max Press 1000#	Max Press	From	To	Frac 125 SKS AA-2 @ 15.3	Avg			15 Min.
Well Connection PC	Annulus Vol.	From	To	Flush 50 SKS 60/40 Poz	HHP Used Plus Rat + Mose			Annulus Pressure
Plug Depth 3280	Packer Depth	From	To	Flush Disc w/ H2O	Gas Volume			Total Load

Customer Representative Todd Brown			Station Manager Scotty			Treater Allen F. Werth		
Service Units	28443	19989	19942	19960	19918			
Driver Names	werth	Keenan	Lesley	Brad	Mitchell			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:00 AM	9-15-10				on loc. Discuss safety, Setup Plan To Rig Laying down Drill Pipe.
7:30					Out of Hole w/Bit Lay down Kelly.
8:30					Shoe Joint 21.85 w/ Reg. Guide Shoe TUBERT fill up in collar
					cent 1-3-4-5-6-7-8-9-11-13
					61-66-72-79
10:30					Tas Bottom Pickup + CIR + Rotate Pipe. - "Good CIR"
11:30			24	5	Pump 1000 gal super flush L II
			5	5	Pump 5 BBL H2O
			9	5	pump 25 SKS 60/40 Poz SCAVENGER 12#
				5	pump 125 SKS AA-2 @ 15.3#
			30		Finish mix-wash out Pump Line
11:47				1 1/2	Drop Top Rubber Plug + Start Disp
	1000#			5	caught lift PSI 60 BBLs
12:00	9-16-10		80 1/2	4	Plug down 1000#
					Release PSI "OK"
					Plug Rat Hole w/ cosks 60/40 Poz
					wash up + RACK UP
1:30					Job complete
					THANKS ALLEN, KEENAN BRAD

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

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

No. 4196

Date	9-8-10	Sec.	32	Twp.	15	Range	14	County	Russell	State	Kansas	On Location		Finish	3:45 PM
Lease	Steady			Well No.	1-22			Location	Russell 13 5 22W						
Contractor	Safford Drilling Pgh							Owner	To Quality Oilwell Cementing, Inc.						
Type Job	Surface							You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12"			T.D.	936			Charge To	Russell Oil						
Csg.	8 1/2" 2-8			Depth	930			Street							
Tbg. Size				Depth				City	State						
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	33'			Shoe Joint				Cement Amount Ordered	365 (on 300 286)						
Meas Line				Displace	57 Pbl										

**EQUIPMENT**

Pumptrk	9	No.	Cementer		Common
			Helper	5	
Bulktrk	4	No.	Driver		Poz. Mix
			Driver	2	
Bulktrk		No.	Driver		Gel.
			Driver	1	

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	1 Rubber Flange	
	1 Rubber Pig	
	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge

X Signature *Todd Brown*

GEOLOGICAL REPORT PREPARED FOR



**Lease: STEINLE 1-32**

**NUSS Oil Field**

**Section 32, Township 15 South, Range 14 West**

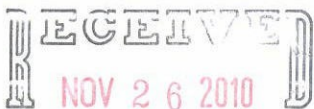
**2300'FSL, 360'FWL or SE, NW, NW, SW**

**RUSSELL COUNTY, KANSAS**

**API # 15-167-23658-00**

**Commenced: September 8, 2010**

**Completed: September 16, 2010**



BY:.....

## Geologist Report

Central Kansas Surveying, Great Bend , KS Location Sec. 32, T15S, R14W, W/2,SE, NW, NE  
or 990' From North Line, 1730' From East Line

1-32 Steinle lease is located in Section 32, Township 15 South, Range 14 West, in Russell  
County, Kansas. Approximately 3/4 miles east, on Michaels Road 1/4 mile south of  
Milberger, Kansas

G.L. = 1921 ft. K.B. = 1928 ft. D.F. = ~1926 ft. +/- Top of Kelly Bushing = 7 ft.

Spud - 09/08/10 Surface casing - New 8 5/8" set @ +/-930 ft. on 09/09/10 & e-logged  
8.625" at 929' on 9/15/10

Southwind Drilling, Inc. - Rig #4, Ellinwood, KS; Tool Pusher - Bob Sanders - with three  
four-person crews

MudCo, Inc. Great Bend, KS - Mud supplier & Drilling fluids daily mud monitoring - Rick  
Hughes & Jason Whiting ; Mud Type - Chemical in dug pit; water source from Landon Creek  
near location by Midwest Waterline Services, LLC; Ron Wiesner and KDWR permitted.

LogTech of Hays City, KS J. Long - Electrical Logs/Down Hole (open) Microresistivity, Dual  
Induction, Compensated Neutron Density logs. 9/15/10

RTD - 3410 ft. LTD - 3403 ft.

Sample collected wet-dry for reviewed from 2700 ft. to 3410 ft. 09/10/2010 through  
09/15/2010



Trilobite Testing Inc. Hays City, KS office; Tester–Brett Dickerson; Six (6) Drill Stem Tests review:

DST #1 3045'-3140' IH 1471, FIF 19, FFF 29, ISI 911, SIF 36, SFF 85, FSI 515, FH1435  
5-60-60-60 Recovered 90'vsocm 5%, 95%o-60'osm, 35%w,65%m

DST #2 3140'-3180' IH 1530, FIF 47, FFF 82, ISI 531, SIF 91, SFF 274, FSI 513,  
FH1471 5-60-60-60 Recovered 75'gmwco 20%g,30%o,25%w 25%m. 60'gsomcw  
10%g,5%o.55%w,30%m. 120'oilspt. sgmcw 5%g,90%w,5%m. 240' water & 420'gip

DST #3 3210'-3241' IH 1594, FIF 29, FFF 42, ISI 491, SIF51, SFF 98, FSI 360, FH 1479  
5-60-60-60 Recovered 30'mcw 70%w,30%m. 165' vgmco 60%g,30%o,10%m. 30'vgwo  
60%g,15%o,15%w,10%m

DST #4 3260'-3310' IH 1640, FIF 27, FFF 63, ISI 425, SIF 74, SFF 195, FSI 412, FH  
1,547 5-60-60-60 Recovered 30'm, 120'mcw 90%w,10%m, 240'mcw, 70%w,30%m

DST #5 3340'-3377' IH 1701, FIF 18, FFF 19, ISI 409, SIF 21, SFF 34, FSI 284, FH1602  
5-60-60-60 Recovered 45'socm10%, 90%m

DST #6 3365-3410' IH1610, FIF 18, FFF 22, ISI 1093, SIF 24, SFF 62 FSI 1067, FH  
1595 5-60-60-60 Recovered 90' vsocm 5%o, 95%m

See attached Trilobite Testing DST reports for complete reporting.

Based on the sample review the DST results and the electrical log, 5 ½" casing was set in the Steinle 1-32 at a total depth of 3403 ft. on 09/16/2010 by Production Manager Todd Brown for Russell Oil, Inc. and ran & installed by D&R Casing Crews of Great Bend, KS. Cement circulated and pumped installed by BASIC Cementing Services, Inc. of Pratt, KS.

STEINLE 1-32 Formation Tops

KB=1928'

FORMATION Top(s)	Sample Top(s)	E-Log Top(s)	Datum	Kiel A
Stone Corral (Anhydrate)	930'ROP	932'	(+996')	(+1001')
Base of Anhydrate	NC	964'	(+964')	(+970')
Topeka	2843'	2843'	(-915')	(-918')
Heebner	3072'	3074'	(-1146')	(-1149')
Toronto	3090'	3090'	(-1160')	(-1165')
Lansing	3134'	3136'	(-1208')	(-1212')
Base of Kansas City	3365'	3372'	(-1444')	(-1453')
Arbuckle	3393'	3395'	(-1467')	(-1460')

A completed Wellsite plotted geologist (Geoplotted) report is attached.

The following Sample Review is based on samples with structure, slight shows, shows, hydrocarbon odor present. The DST number which covered this interval is also indicated.

Toronto

3090'-3100' ..... Clear vuggy limestone with good odor, good oil show, fair/weak porosity, good fluorescence, DST #1

Lansing / KC

3136' -3180' ..... Dull white buff limestone good/fair odor, good show of oil in few pieces, poor porosity, fair fluorescence, DST #1& 2

3210'-3242 ..... Dull white limestone with oomoldic structure with fair oil show, good odor, fair fluorescence, DST #3

3260'-3310' ..... Vuggy white limestone with some oil stain, one piece with free oil, fair fluorescence, DST #4

Base of KC

3370'-3390' ..... Dull limestone with slight stain with fair odor, DST #5 & 6

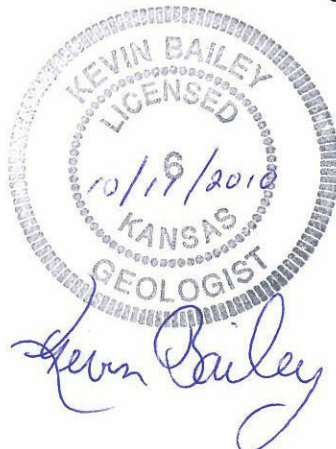
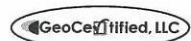
Arbuckle

3395'-3405' ..... Slight oil-stained brown crystalline dolomite with good strong odor & stain oil sand grains, and fair fluorescence, DST #6

GeoCertified, LLC guarantees and/or warrants that the information contained herein has been prepared based upon the most up-to-date data available at the time of the prognostic research, drilling evaluation and documentation. GeoCertified, LLC explicitly disclaims any liability incurred as a result from the utility of said information, samples, and documentation.

Prepared and respectfully submitted by,

Kevin J. Bailey, Wellsite Petroleum Geologist for:





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040347

Well Name & No. Steinle 1-32 Test No. 1 Date 9-11-10  
 Company Russell Oil, Inc Elevation 1928 KB 1921 GL  
 Address PO Box 8030 Edmond OK 73093  
 Co. Rep / Geo. Kevin Rig Southwood #4  
 Location: Sec. 82 Twp. 15 Rge. 14 Co. Russell State OK

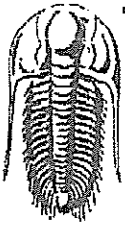
Interval Tested 3049 - 3120 Zone Tested Tainito  
 Anchor Length 95 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth 3040 Drill Collars Run 124 Vis 54  
 Bottom Packer Depth 3049 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 3140 Chlorides 7,600 ppm System LCM \_\_\_\_\_  
 Blow Description IF - 2 1/4 in blow  
ISI - No blow  
IF - 6 in blow  
ISI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>VSOCM</u>		<u>5</u>		<u>95</u>
<u>60</u>	<u>oil/gas/water WCM</u>			<u>36</u>	<u>68</u>
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud

Rec Total 130 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1471  Test \_\_\_\_\_ T-On Location 8:20  
 (B) First Initial Flow 19  Jars \_\_\_\_\_ T-Started 8:42  
 (C) First Final Flow 20  Safety Joint \_\_\_\_\_ T-Open 11:40  
 (D) Initial Shut-In 411  Circ Sub \_\_\_\_\_ T-Pulled 14:45  
 (E) Second Initial Flow 36  Hourly Standby \_\_\_\_\_ T-Out 16:35  
 (F) Second Final Flow 85  Mileage 33x2 Comments \_\_\_\_\_  
 (G) Final Shut-In 515  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1435  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Total \_\_\_\_\_  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Kevin P. [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Russell Oil, Inc.  
 PO Box 8050 Edmond OK 73083  
 ATTN: Kevin Bailey

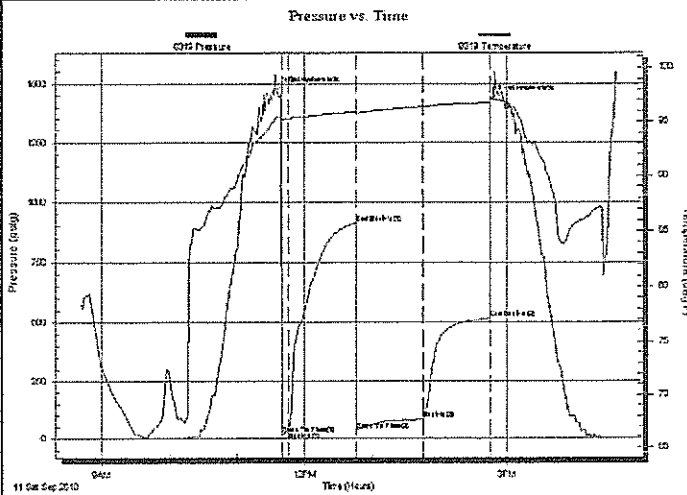
Steinle 1-32  
 32-15-14, Russell Ks  
 Job Ticket: 40347 DST#: 1  
 Test Start: 2010.09.11 @ 08:42:36

**GENERAL INFORMATION:**

Formation: Toronto  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:40:06  
 Time Test Ended: 16:36:36  
 Interval: 3045.00 ft (KB) To 3140.00 ft (KB) (TVD)  
 Total Depth: 3140.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 47  
 Reference Elevations: 1928.00 ft (KB)  
 1921.00 ft (CF)  
 KB to GR/CF: 7.00 ft

Serial #: 8319 Inside  
 Press@RunDepth: 85.04 psig @ 3049.00 ft (KB)  
 Start Date: 2010.09.11 End Date: 2010.09.11  
 Start Time: 08:42:36 End Time: 16:36:36  
 Capacity: 8000.00 psig  
 Last Calib.: 2010.09.11  
 Time On Btm: 2010.09.11 @ 11:35:06  
 Time Off Btm: 2010.09.11 @ 14:46:36

TEST COMMENT: IF-2.25in blow  
 IS- No blow  
 FF-6in blow  
 FS- No blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1471.11	95.40	Initial Hydro-static
5	19.09	95.19	Open To Flow (1)
11	29.02	95.28	Shut-In(1)
71	911.06	95.92	End Shut-In(1)
71	36.38	95.72	Open To Flow (2)
131	85.04	96.39	Shut-In(2)
190	515.04	96.77	End Shut-In(2)
192	1435.04	97.06	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	Oilspotted WCM 35%W 65%M	0.30
90.00	VSOCM 5%O 95%M	0.68

**Gas Rates**

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

Serial #: 8319

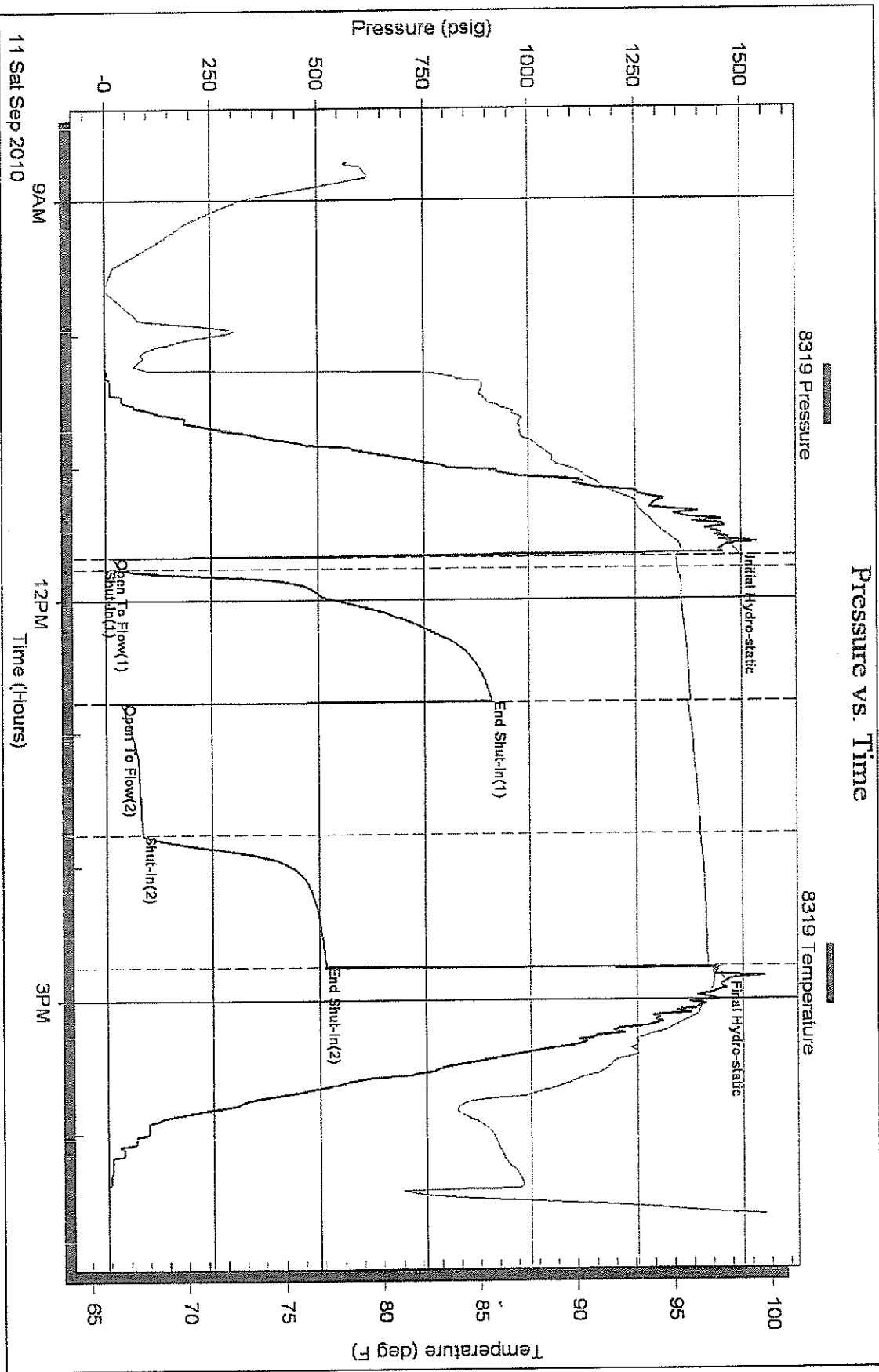
Inside

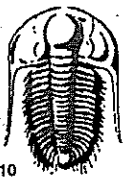
Russell Oil, Inc.

32-15-14, Russell Ks

DST Test Number: 1

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040348

4/10

Well Name & No. Stromie 1-22 Test No. 2 Date 7-12-10  
 Company Russell Oil Inc Elevation 1929 KB 1821 GL  
 Address PO Box 9080 Hays Kansas 67608  
 Co. Rep / Geo. Kevin Rig Southwind 44  
 Location: Sec. 32 Twp. 15 Rge. 11 Co. Russell State KC

Interval Tested 3140-3180 Zone Tested LRC "A, B"  
 Anchor Length 40 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth 3135 Drill Collars Run 12.4 Vis 5.4  
 Bottom Packer Depth 3140 Wt. Pipe Run \_\_\_\_\_ WL 5.5  
 Total Depth 3180 Chlorides 7660 ppm System LCM \_\_\_\_\_

Blow Description LF - 10 1/2 in blow  
1st - No blow  
2nd - 80 Blw 6 min  
3rd - 6 in blow

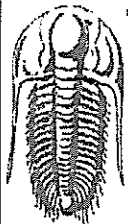
Rec	Feet of	%gas	%oil	%water	%mud
<u>79</u>	<u>6MWC0</u>	<u>20</u>	<u>30</u>	<u>25</u>	<u>25</u>
<u>60</u>	<u>650MWC</u>	<u>10</u>	<u>5</u>	<u>35</u>	<u>30</u>
<u>120</u>	<u>650MWC</u>	<u>5</u>		<u>90</u>	<u>5</u>
<u>240</u>	<u>water</u>				
	<u>400M GP</u>				

Rec Total 499 BHT 98 Gravity \_\_\_\_\_ API RW -.07 @ 25 °F Chlorides 131,000 ppm

(A) Initial Hydrostatic 1530  Test \_\_\_\_\_ T-On Location 2:05  
 (B) First Initial Flow 47  Jars \_\_\_\_\_ T-Started 0:30  
 (C) First Final Flow 97  Safety Joint \_\_\_\_\_ T-Open 2:20  
 (D) Initial Shut-In 531  Circ Sub \_\_\_\_\_ T-Pulled 5:25  
 (E) Second Initial Flow 91  Hourly Standby \_\_\_\_\_ T-Out 7:38  
 (F) Second Final Flow 274  Mileage 33x2 \_\_\_\_\_  
 (G) Final Shut-In 513  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1471  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 5  Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Initial Shut-In 60  Day Standby \_\_\_\_\_ Total \_\_\_\_\_  
 Final Flow 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**TRIOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.  
PO Box 8050 Edmond OK 73083  
ATTN: Kevin Bailey

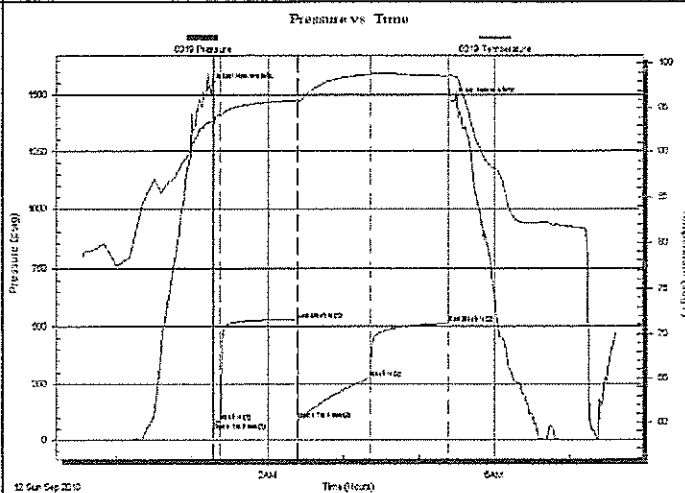
**Steinle 1-32**  
**32-15-14, Russell Ks**  
Job Ticket: 40348      DST#: 2  
Test Start: 2010.09.12 @ 00:33:12

## GENERAL INFORMATION:

Formation: LKC "A,B"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 02:17:12  
Time Test Ended: 07:35:42  
Interval: 3140.00 ft (KB) To 3180.00 ft (KB) (TVD)  
Total Depth: 3180.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Reference Elevations: 1928.00 ft (KB)  
1921.00 ft (CF)  
KB to GR/CF: 7.00 ft

Serial #: 8319      Inside  
Press@RunDepth: 274.92 psig @ 3144.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.09.12      End Date: 2010.09.12      Last Calib.: 2010.09.12  
Start Time: 00:33:12      End Time: 07:35:42      Time On Btm: 2010.09.12 @ 02:13:42  
Time Off Btm: 2010.09.12 @ 05:26:42

TEST COMMENT: IF-10.5in blow  
ISI-No blow  
FF-BOB in 6min  
FSI-6in blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1530.80	93.46	Initial Hydro-static
4	42.60	93.19	Open To Flow (1)
9	82.92	94.26	Shut-In(1)
70	531.25	95.95	End Shut-In(1)
71	91.86	95.87	Open To Flow (2)
128	274.92	98.77	Shut-In(2)
190	513.60	98.55	End Shut-In(2)
193	1471.24	98.58	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
240.00	Water	2.24
120.00	oilspotted SGMCW 5%G 5%M 90%W	1.68
60.00	GSOMCW 10%G 5%O 55%W 30%M	0.84
75.00	GMWCO 20%G 30%O 25%W 25%M	1.05
0.00	420ft Gip	0.00

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



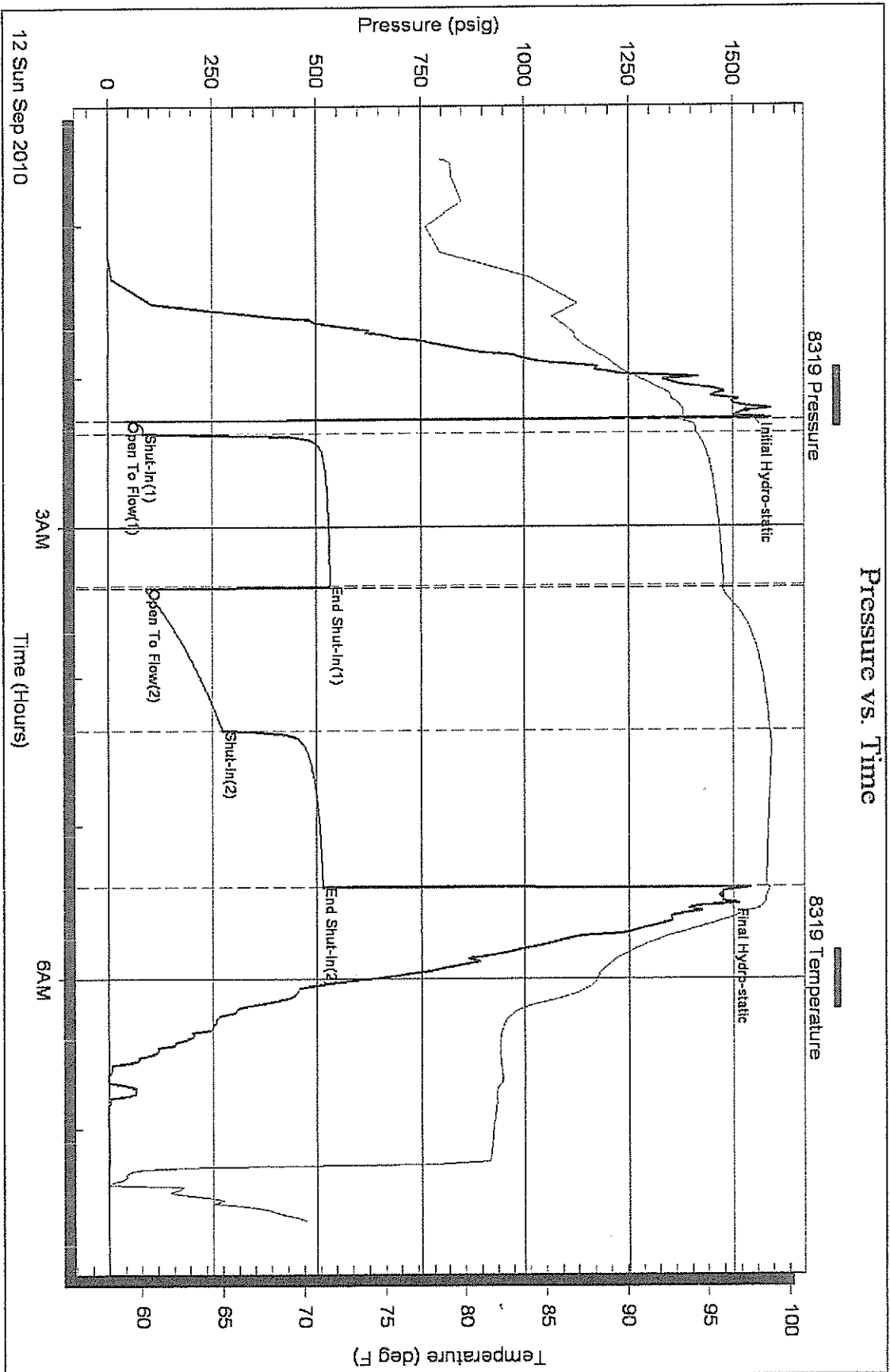
Serial #: 8319

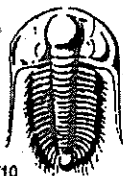
Inside

Russell Oil, Inc.

32-15-14, Russell Ks

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040349

Well Name & No. Steink 1-32 Test No. 3 Date 9-12-10  
 Company Russell Oil Inc. Elevation 1929 KB 14.1 GL  
 Address PO Box 8040 Edmond OK 73083  
 Co: Rep / Geo. Kenn Rig Southwind 174  
 Location: Sec. 32 Twp. 19 Rge. 14 Co. Russell State KS

Interval Tested 3210 - 3241 Zone Tested RC 1, 6'  
 Anchor Length 31 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth 3209 Drill Collars Run 129 Vis 54  
 Bottom Packer Depth 3210 Wt. Pipe Run \_\_\_\_\_ WL 9.8  
 Total Depth 3241 Chlorides 7,100 ppm System LCM \_\_\_\_\_  
 Blow Description 2F - BOB in 3 1/2 min  
2ST - No blow  
FF - BOB in 2 min  
FSZ - 5 min blow

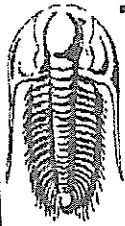
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>MGW</u>		<u>70</u>	<u>30</u>	
<u>165</u>	<u>VGMC0</u>	<u>60</u>	<u>30</u>	<u>10</u>	
<u>30</u>	<u>VGWO</u>	<u>60</u>	<u>15</u>	<u>15</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 225 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1394  Test \_\_\_\_\_ T-On Location 16:45  
 (B) First Initial Flow 39  Jars \_\_\_\_\_ T-Started 16:55  
 (C) First Final Flow 42  Safety Joint \_\_\_\_\_ T-Open 19:10  
 (D) Initial Shut-In 441  Circ Sub \_\_\_\_\_ T-Pulled 22:15  
 (E) Second Initial Flow 51  Hourly Standby \_\_\_\_\_ T-Out 00:15  
 (F) Second Final Flow 98  Mileage 33x2 Comments \_\_\_\_\_  
 (G) Final Shut-In 360  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1479  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 3  Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Initial Shut-In 60  Day Standby \_\_\_\_\_ Total \_\_\_\_\_  
 Final Flow 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.  
 PO Box 8050 Edmond OK 73083  
 ATTN: Kevin Bailey

Steinle 1-32  
 32-15-14, Russell Ks  
 Job Ticket: 40349 DST#: 3  
 Test Start: 2010.09.12 @ 16:55:44

## GENERAL INFORMATION:

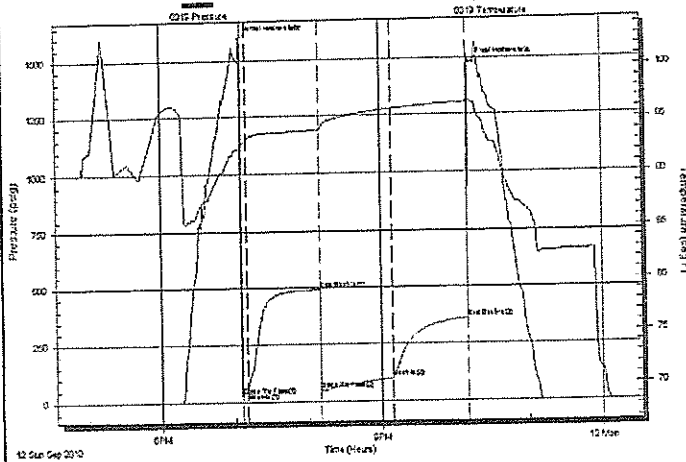
Formation: KC "F,G"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:05:44  
 Time Test Ended: 00:10:44  
 Interval: 3210.00 ft (KB) To 3241.00 ft (KB) (TVD)  
 Total Depth: 3241.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 47  
 Reference Elevations: 1928.00 ft (KB)  
 1921.00 ft (CF)  
 KB to GR/CF: 7.00 ft

Serial #: 8319 Inside  
 Press@RunDepth: 98.81 psig @ 3213.00 ft (KB)  
 Start Date: 2010.09.12 End Date: 2010.09.13  
 Start Time: 16:55:44 End Time: 00:10:44  
 Capacity: 8000.00 psig  
 Last Calib.: 2010.09.13  
 Time On Btm: 2010.09.12 @ 19:05:14  
 Time Off Btm: 2010.09.12 @ 22:13:14

TEST COMMENT: IF-BOB in 3.5min  
 IS- No blow  
 FF-BOB in 2min  
 FSI- 5in blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.79	92.63	Initial Hydro-static
1	29.86	92.22	Open To Flow (1)
5	42.38	93.17	Shut-in(1)
65	491.76	94.07	End Shut-in(1)
65	51.13	94.03	Open To Flow (2)
124	98.81	95.96	Shut-in(2)
185	360.00	96.51	End Shut-in(2)
188	1479.37	96.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCW 30%M 70%W	0.15
165.00	VGMCO 60%G 10%M 30%O	1.46
30.00	VG WO 60%G 15%W 15%O	0.42
0.00	2040ft GIP	0.00

## Gas Rates

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

Serial #: 8319

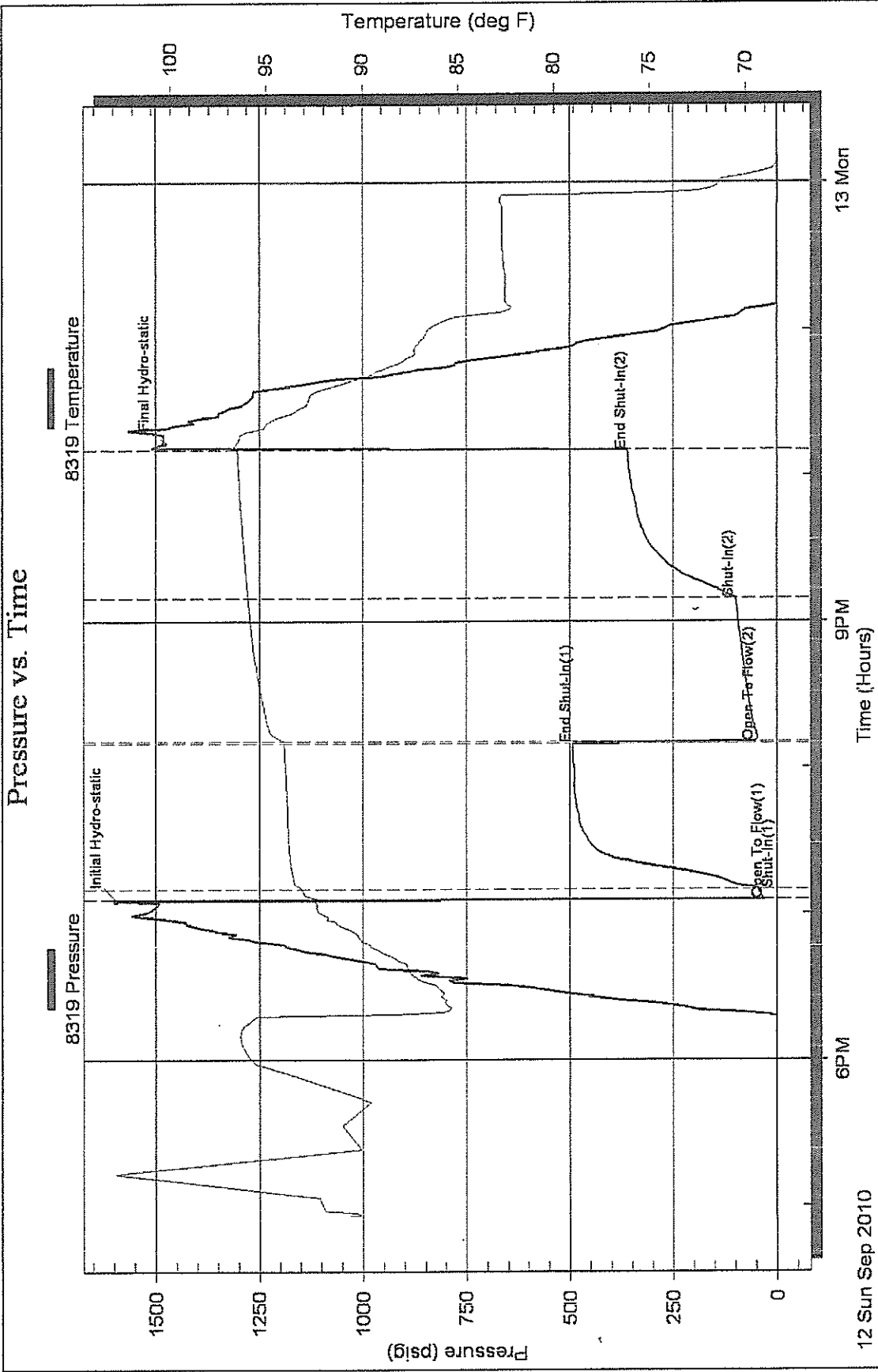
Inside

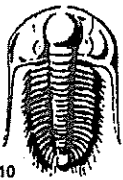
Russell Oil, Inc.

32-15-14, Russell Ks

DST Test Number: 3

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040350

Well Name & No. Stearns 1-32 Test No. 4 Date 9-13-10  
 Company Russell Oil Inc Elevation 1928 KB 1921 GL  
 Address PO Box 8030 E Diamond Ok 73083  
 Co. Rep / Geo. Kevin Rig Southern Wind 44  
 Location: Sec. 32 Twp. 15 Rge. 14 Co. Russell State KS

Interval Tested 3260-3310 Zone Tested RC 11, 9, 7"  
 Anchor Length 40 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1  
 Top Packer Depth 3299 Drill Collars Run 124 Vis 55  
 Bottom Packer Depth 3260 Wt. Pipe Run \_\_\_\_\_ WL 15.2  
 Total Depth 3310 Chlorides 10,900 ppm System LCM \_\_\_\_\_  
 Blow Description 2 1/2 - 5 1/2 in blow  
1ST - No blow  
1 1/2 - BOP in MUD  
1ST - No blow

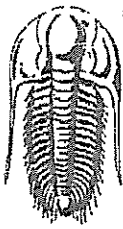
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>				
<u>120</u>	<u>Mud</u>			<u>90</u>	<u>10</u>
<u>240</u>	<u>Mud</u>			<u>70</u>	<u>30</u>
____	____				
____	____				

Rec Total 390 BHT 9.8 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1640  Test \_\_\_\_\_ T-On Location 10:25  
 (B) First Initial Flow 57  Jars \_\_\_\_\_ T-Started 10:30  
 (C) First Final Flow 63  Safety Joint \_\_\_\_\_ T-Open 12:38  
 (D) Initial Shut-In 425  Circ Sub \_\_\_\_\_ T-Pulled 15:43  
 (E) Second Initial Flow 74  Hourly Standby \_\_\_\_\_ T-Out 17:40  
 (F) Second Final Flow 195  Mileage 33x2 Comments \_\_\_\_\_  
 (G) Final Shut-In 412  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,547  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Total \_\_\_\_\_  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Burt

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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Russell Oil, Inc.  
PO Box 8050 Edmond OK 73083  
ATTN: Kevin Bailey

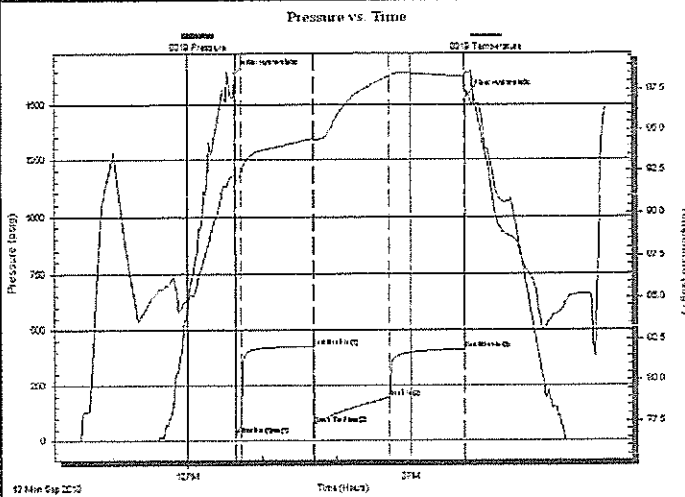
**Steinle 1-32**  
**32-15-14, Russell Ks**  
Job Ticket: 40350      DST#: 4  
Test Start: 2010.09.13 @ 10:33:38

### GENERAL INFORMATION:

Formation: **KC"H,I,J"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 12:38:38  
Time Test Ended: 17:37:38  
Interval: **3260.00 ft (KB) To 3310.00 ft (KB) (TVD)**  
Total Depth: **3310.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition:  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Reference Elevations: **1928.00 ft (KB)**  
**1921.00 ft (CF)**  
KB to GR/CF: **7.00 ft**

Serial #: **8319**      Inside  
Press@RunDepth: **195.33 psig @ 3266.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.09.13**      End Date: **2010.09.13**      Last Calib.: **2010.09.13**  
Start Time: **10:33:38**      End Time: **17:37:38**      Time On Btm: **2010.09.13 @ 12:38:08**  
Time Off Btm: **2010.09.13 @ 15:46:08**

TEST COMMENT: IF-5.5in blow  
ISI-No blow  
FF-BOB in 19min  
FSI-No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.87	92.26	Initial Hydro-static
1	27.48	91.92	Open To Flow (1)
5	63.88	92.26	Shut-In(1)
63	425.86	94.47	End Shut-in(1)
64	74.06	94.40	Open To Flow (2)
125	195.33	98.31	Shut-In(2)
186	412.85	98.27	End Shut-in(2)
188	1547.97	98.50	Final Hydro-static

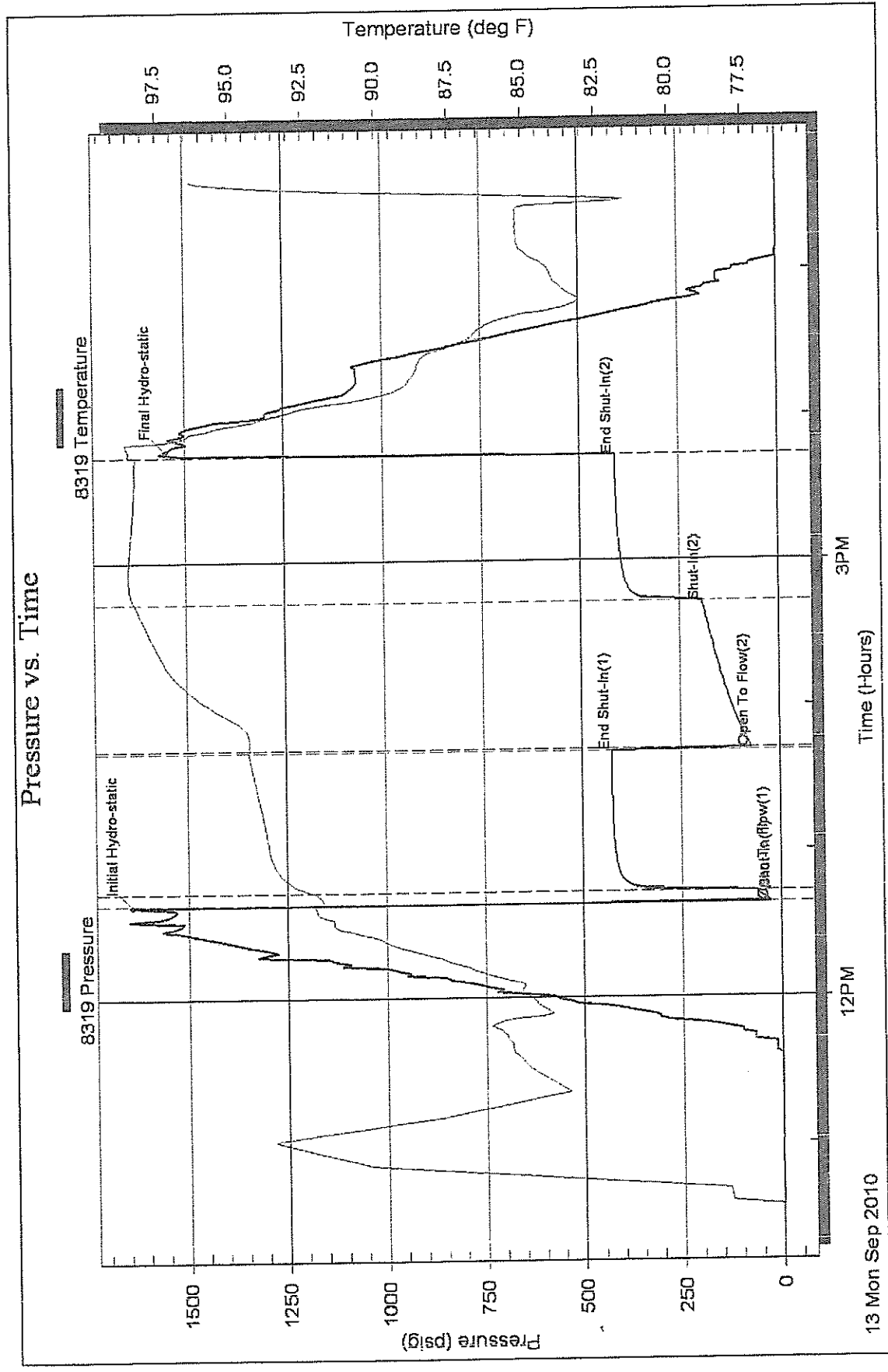
### Recovery

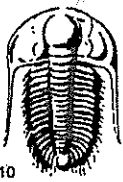
Length (ft)	Description	Volume (bbl)
30.00	Mud	0.15
120.00	MCW 90%W 10%M	0.83
240.00	MCW 70%W 30%M	3.37

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040401

Well Name & No. Stainka 1-32 Test No. 5 Date 9-14-10  
 Company Russell O.L. Inc. Elevation 1928 KB 1921 GL  
 Address PO Box 8050 Edmond OK 73083  
 Co. Rep / Geo. Kevin Rig Southwind #19  
 Location: Sec. 32 Twp. 15 Rge. 14 Co. Russell State OK

Interval Tested 3340-3377 Zone Tested KE L  
 Anchor Length 37 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1  
 Top Packer Depth 3335 Drill Collars Run 124 Vis 56  
 Bottom Packer Depth 3340 Wt. Pipe Run \_\_\_\_\_ WL 15.2  
 Total Depth 3377 Chlorides 10,900 ppm System LCM  
 Blow Description 25' - No blow  
25' - No blow  
15' - very weak surface blow  
15' - No blow

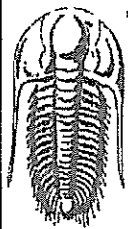
Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>5000</u>	<u>10</u>		<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 97 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 6701  Test \_\_\_\_\_ T-On Location 2:00  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 2:10  
 (C) First Final Flow 19  Safety Joint \_\_\_\_\_ T-Open 3:50  
 (D) Initial Shut-In 409  Circ Sub \_\_\_\_\_ T-Pulled 6:35  
 (E) Second Initial Flow 21  Hourly Standby \_\_\_\_\_ T-Out 8:30  
 (F) Second Final Flow 34  Mileage 3340 Comments \_\_\_\_\_  
 (G) Final Shut-In 284  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1602  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 5  Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Initial Shut-In 60  Day Standby \_\_\_\_\_ Total \_\_\_\_\_  
 Final Flow 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]  
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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil, Inc.  
PO Box 8050 Edmond OK 73083  
ATTN: Kevin Bailey

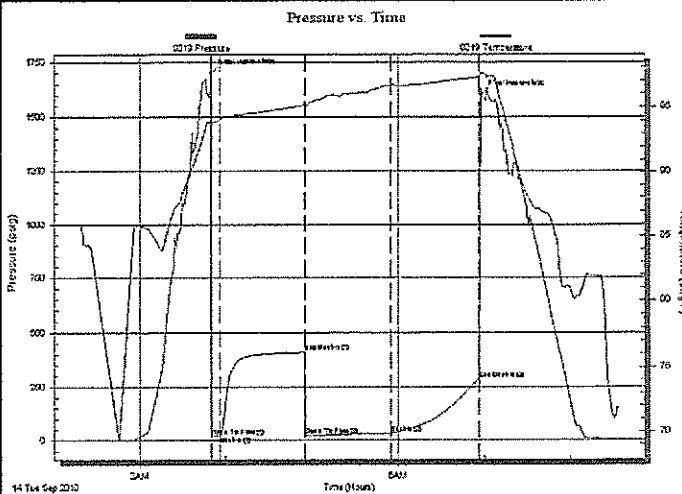
Steinle 1-32  
32-15-14, Russell Ks  
Job Ticket: 40401      DST#: 5  
Test Start: 2010.09.14 @ 02:19:08

## GENERAL INFORMATION:

Formation: KC"L"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 03:50:08  
Time Test Ended: 08:32:38  
Interval: 3340.00 ft (KB) To 3377.00 ft (KB) (TVD)  
Total Depth: 3377.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Reference Elevations: 1928.00 ft (KB)  
1921.00 ft (CF)  
KB to GR/CF: 7.00 ft

Serial #: 8319      Inside  
Press@RunDepth: 34.01 psig @ 3344.00 ft (KB)  
Start Date: 2010.09.14      End Date: 2010.09.14  
Start Time: 02:19:08      End Time: 08:32:38  
Capacity: 8000.00 psig  
Last Calib.: 2010.09.14  
Time On Btm: 2010.09.14 @ 03:49:38  
Time Off Btm: 2010.09.14 @ 06:58:08

TEST COMMENT: IF-1/2in blow  
ISI-No blow  
FF-Very weak surface blow  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.53	94.06	Initial Hydro-static
1	18.40	93.56	Open To Flow (1)
6	19.99	94.11	Shut-In(1)
65	409.96	95.15	End Shut-In(1)
66	21.51	95.06	Open To Flow (2)
126	34.01	96.64	Shut-In(2)
187	284.87	97.27	End Shut-In(2)
189	1602.99	97.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	SOCM 10%O 90%M	0.22

## Gas Rates

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

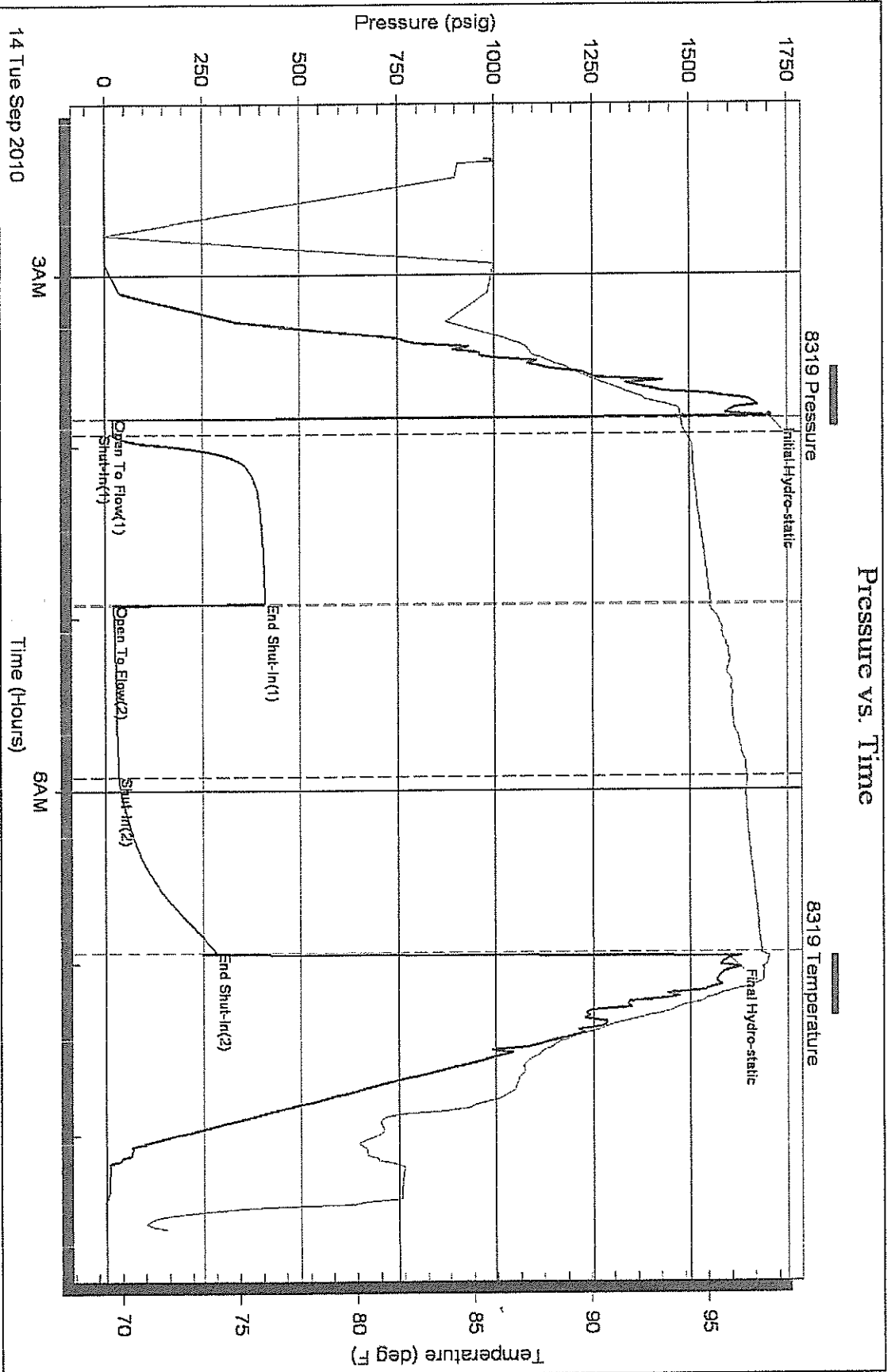
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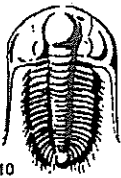
Inside

Russell Oil, Inc.

32-15-14, Russell Ks

DST Test Number: 5





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040402

Well Name & No. Sterile 1-37 Test No. 6 Date 9-14-16  
 Company Russell Oil, Inc. Elevation 1928 KB 192.1 GL  
 Address PO Box 8090 Diamond OR 97302  
 Co. Rep / Geo. Kenn Rig Southwind 49  
 Location: Sec. 32 Twp. 15 Rge. 14 Co. Russell State KS

Interval Tested 3365 - 3410 Zone Tested Arkuckle  
 Anchor Length 55 Drill Pipe Run \_\_\_\_\_ Mud Wt. 8.7  
 Top Packer Depth 3360 Drill Collars Run 1241 Vis 46  
 Bottom Packer Depth 3365 Wt. Pipe Run \_\_\_\_\_ WL 18  
 Total Depth 3410 Chlorides 12,100 ppm System LCM \_\_\_\_\_  
 Blow Description IF - 3/4 in blow  
ISF - No blow  
IF - 1/4 in blow  
FSF - No blow

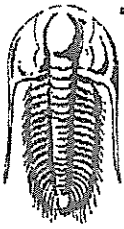
Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>VSOCM</u>		<u>5</u>		<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 90 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,610  Test \_\_\_\_\_ T-On Location 19:00  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 19:20  
 (C) First Final Flow 22  Safety Joint \_\_\_\_\_ T-Open 21:42  
 (D) Initial Shut-In 1,093  Circ Sub \_\_\_\_\_ T-Pulled 00:47  
 (E) Second Initial Flow 24  Hourly Standby \_\_\_\_\_ T-Out 3:17  
 (F) Second Final Flow 62  Mileage 3347 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,067  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,595  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Total \_\_\_\_\_  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Eric D...

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.  
PO Box 8050 Edmond OK 73083  
ATTN: Kevin Bailey

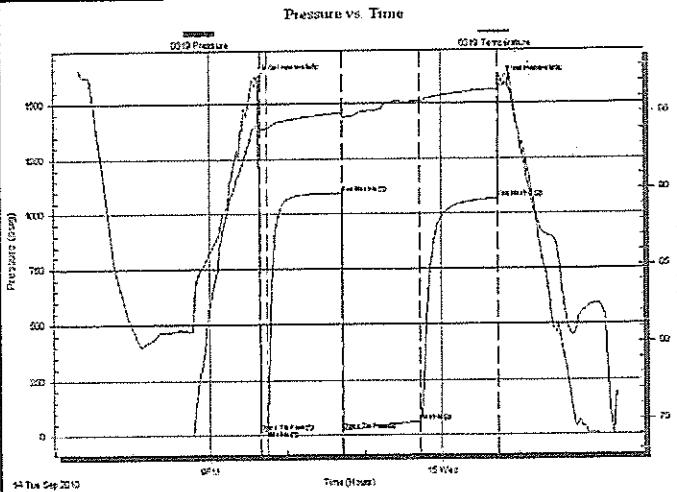
Steinle 1-32  
32-15-14, Russell Ks  
Job Ticket: 40402 DST#: 6  
Test Start: 2010.09.14 @ 19:19:55

## GENERAL INFORMATION:

Formation: Arb.  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 21:39:25  
Time Test Ended: 02:15:55  
Interval: 3365.00 ft (KB) To 3410.00 ft (KB) (TVD)  
Total Depth: 3410.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Reference Elevations: 1928.00 ft (KB)  
1921.00 ft (CF)  
KB to GR/CF: 7.00 ft

Serial #: 8319 Inside  
Press@RunDepth: 62.41 psig @ 3370.00 ft (KB)  
Start Date: 2010.09.14 End Date: 2010.09.15  
Start Time: 19:19:55 End Time: 02:15:55  
Capacity: 8000.00 psig  
Last Calib.: 2010.09.15  
Time On Btm: 2010.09.14 @ 21:36:25  
Time Off Btm: 2010.09.15 @ 00:45:55

TEST COMMENT: IF-3/4in blow  
IS-No blow  
FF-1/4in blow  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.66	94.24	Initial Hydro-static
3	18.80	93.99	Open To Flow (1)
9	22.04	94.01	Shut-In(1)
67	1093.85	94.99	End Shut-In(1)
67	24.23	94.67	Open To Flow (2)
127	62.41	95.70	Shut-In(2)
187	1067.70	96.47	End Shut-In(2)
190	1595.92	96.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	VSOCM 5%O 95%M	0.44

## Gas Rates

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

Serial #: 8319

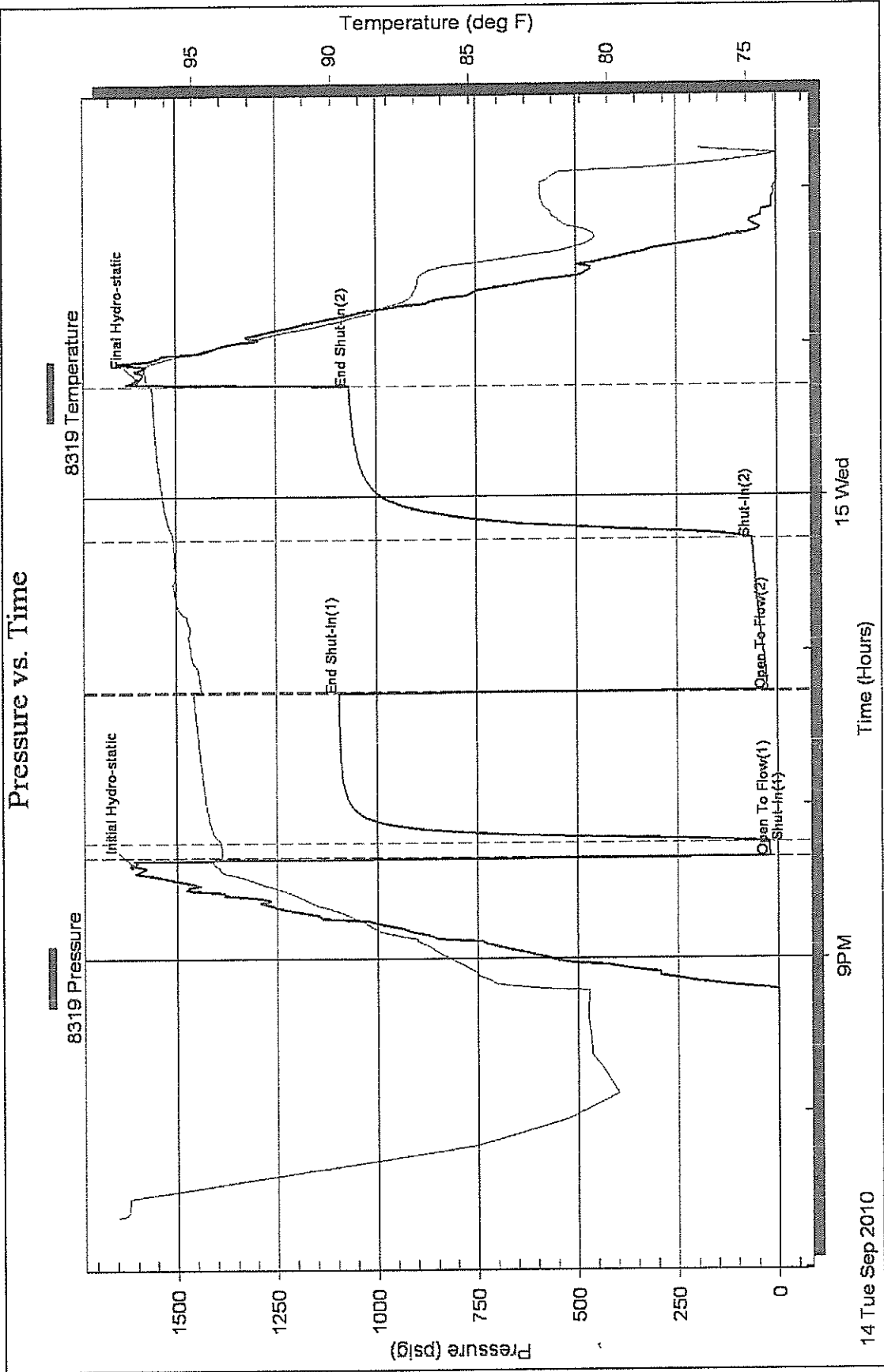
Inside

Russell Oil, Inc.

32-15-14, Russell Ks

DST Test Number: 6

### Pressure vs. Time





*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

December 21, 2010

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

Re: ACO1  
API 15-167-23658-00-00  
Steinle 1-32  
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