

ANSAS CORPORATION COMMISSION
& GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be filled

4/27/13

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33268
Name: RL Investment LLC
Address 1: 2698 J O Terrace
Address 2: _____
City: Hill City State: KS Zip: 67642
Contact Person: Randall Pfeifer
Phone: (785) 421-6448
CONTRACTOR: License # 33575
Name: WW Drilling LLC
Wellsite Geologist: Larry Friend
Purchaser: NCRA

API No. 15 - 063-21886-00-00

Spot Description: _____
W/2 SE SE NW Sec. 13 Twp. 13 S. R. 28 East West
2,310 Feet from North / South Line of Section
2,208 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Gove
Lease Name: Tuttle Well #: 1
Field Name: wildcat

Producing Formation: Miss

Elevation: Ground: 2539 Kelly Bushing: 2544

Total Depth: 4413 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 234 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 234
feet depth to: surface w/ 165 sx cmt.

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 #: _____

01/24/11 02/03/11

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 10175 ppm Fluid volume: 1220 bbls

Dewatering method used: airdry-backfill

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Randall J Pfeifer
Title: Member Date: 04/27/11

KCC Office Use ONLY

Letter of Confidentiality Rec. denied RECEIVED
Date: 4/27/11
 Confidential Release Date: MAY 02 2011
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
KCC WICHITA
ALT I II III Approved by: Dls Date: 10/22/12

KCC
APR 27 2011
CONFIDENTIAL

Operator Name: RL Investment LLC Lease Name: Tuttle Well #: 1
Sec. 13 Twp. 13 S. R. 28 East West County: Gove

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhy	2001	+543
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heeber	3680	-1136
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	LKC	3718	-1174
		Osage	4371	-1827

List All E. Logs Run:
DI, CND, MICRO

CASING RECORD <input checked="" 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
surface	12 1/4	8 5/8	20#	234	Com	165	3% CC 2% gel
production	7 7/8	5 1/2	14#	4413	Com	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	surface to 2008	Com	205	

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
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"/> Duaily Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i>	PRODUCTION INTERVAL MAY 02 2011 KCC WICHITA
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JOB LOG

SWIFT Services, Inc.

DATE 2-3-11 PAGE NO. 1

CUSTOMER *KL Investments* WELL NO. *#1* LEASE *Tuttle* JOB TYPE *2-stage* TICKET NO. *19526*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							on loc w/ FE
								RTD 4413'
								5 1/2" x 15.5# x 4416' x 22'
								Cent, 4, 5, 6, 8, 11, 2, 14, 16, 19, 58
								Bushes 9, 20, 59
								Scratchers 3, 4, 5, 6
								DV 59 @ 2009
	2045							Start F.E.
	2310							Break Circ
	0125	4	0			250		Start Pref. ^{500 gal mud flush} 20 bbl KCL flush
	0135	5	32/0			300		Start Cement 175 ⁵⁰⁰ SKS EA-2
	0145		42					End Cement
								Wash P&L / Drop L.D. Plug
	0150	6	0			200		Start Displacement
	0205	5	80			300		Catch Cement
	0210		104			700 / 1200		Lead Plug / Release Press / Float Hold
								Drop Opening Plug
								washup Trk
	0230					1100		Open D.V. Tool
								Circ 2 hrs
	0520	2.5	7					Plug R.H. 30 sks SMD
	0525	4	0			150		Start KCL flush
	0530	5	20/0			150		Start Cement 205 sks SMD
	0610		124					End Cement
								Drop Closing Plug
	0615	5	0			100		Start Displacement
		4	19			200		Circ Cement
	0625		48			400 / 1200		Lead Plug
								Release Pressure
								D.V. Closed

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circ 35 sks to pit

Thank you

Nick, Josh F., John

DATE 1/24/11	SEC. 13	RANGE/TWP. 1328	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE Tuttle				WELL # 10		
				COUNTY	STATE S	

CONTRACTOR WW4	OWNER RL			
TYPE OF JOB Surface				
HOLE SIZE 12 1/4	T.D. 235	CEMENT		
CASING SIZE 8 3/4	DEPTH 234	AMOUNT ORDERED		
TUBING SIZE	DEPTH			
DRILL PIPE 4 1/2	DEPTH			
TOOL	DEPTH			
PRES. MAX	MINIMUM	COMMON	165	@ 14 1/2"
DISPLACEMENT	SHOE JOINT	POZMIX		@
CEMENT LEFT IN CSG.		GEL	3	@ 26 1/2"
PERFS		CHLORIDE	5	@ 52 1/2"
		ASC		@
EQUIPMENT				@
				@
PUMP TRUCK				@
#				@
BULK TRUCK				@
#				@
BULK TRUCK				@
#				@
				@
		HANDLNG	173	@ 15 1/2" 337 1/2"
		MILEAGE	39	@ 15 1/2" 607 1/2"
				TOTAL

REMARKS	SERVICE Surface		
Plug Down @ 8 PM	DEPT OF JOB	@	
	PUMP TRUCK CHARGE	@	9 1/2"
Circ Cement to Pit	EXTRA FOOTAGE	@	
	MILEAGE	39 @	6 3/4" 253 1/2"
	MANIFOLD	@	
		@	
		TOTAL	

CHARGE TO: RTL	
STREET	STATE
CITY	ZIP

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To: Schippers Oil Field Service LLC
 You are hereby requested to rent cementing equipment and furnish staff to assist owner or contractor to do work as is listed. The above work was done to satisfaction and

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 040624

Well Name & No. Tuttle #1 Test No. 1 Date 1-28-11
 Company R+L Investment LLC Elevation 2544 KB 2539 GL
 Address 217 Saint Peter St. Morland KS
 Co. Rep / Geo. LARRY Friend Rig WW #4
 Location: Sec. 13 Twp. 13 Rge. 28 Co. Gove State KS

Interval Tested 3788-3823 Zone Tested 3788 "E+F"
 Anchor Length 35' Drill Pipe Run 3661 Mud Wt. 8.9
 Top Packer Depth 3784 Drill Collars Run 123 Vis 54
 Bottom Packer Depth 3788 Wt. Pipe Run 6 WL 7.6
 Total Depth 3823 Chlorides 1600 ppm System LCM Trace
 Blow Description IF: Built to 1 1/2" Blow
IS: No Return
FF: BOB in 72 Min
FS: No Return Blow

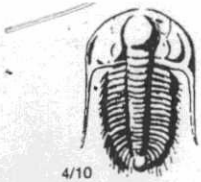
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Free oil</u>				
<u>119</u>	<u>MCW OCMW</u>		<u>5</u>	<u>85</u>	<u>20</u>
<u>62 #3</u>	<u>OC MW</u>		<u>5</u>	<u>85</u>	<u>10</u>
<u>62</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	

Rec Total 248' BHT 119 Gravity 1 API RW 1246 @ 65.3° F Chlorides 13000 ppm
 (A) Initial Hydrostatic 1912 Test 1125.00 T-On Location 10:00
 (B) First Initial Flow 23 Jars 250.00 T-Started 10:50
 (C) First Final Flow 43 Safety Joint 75.00 T-Open 12:49
 (D) Initial Shut-In 1198 Circ Sub NC T-Pulled 16:40
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 18:29
 (F) Second Final Flow 129 Mileage 128 RT = #160.00 Comments _____
 (G) Final Shut-In 1152 Sampler _____
 (H) Final Hydrostatic 1865 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1610.00

Initial Open 5
 Initial Shut-In 30
 Final Flow 75
 Final Shut-In 120
 Approved By Larry Friend Our Representative Mike Roberts

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.

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TRILOBITE TESTING INC.

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Test Ticket

NO. 040625

Well Name & No. Tuttle #1 Test No. 2 Date 1-29-11
 Company Rd L Investment LLC Elevation 2544 KB 2539 GL
 Address 217 Saint Peters, Morland KS
 Co. Rep / Geo. LARRY Friend Rig WW #4
 Location: Sec. 13 Twp. 13 Rge. 28 Co. Gove State KS

Interval Tested 3922-3976 Zone Tested J+K
 Anchor Length 54' Drill Pipe Run 3776 Mud Wt. 9.1
 Top Packer Depth 3918 Drill Collars Run 123 Vis 51
 Bottom Packer Depth 3922 Wt. Pipe Run Ø WL 7.6
 Total Depth 3976 Chlorides 2000 ppm System LCM TRACE

Blow Description IF: Built to weak surface Blow
IS: NO Return Blow
FF: NO Blow -- Flushed tool - Built to weak surface Blow drilled in 3m
FS: NO Return Blow

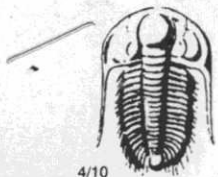
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 113 Gravity 1 API RW 1 @ 1 ° F Chlorides 1 ppm
 (A) Initial Hydrostatic 1997 Test #1125.00 T-On Location 09:30
 (B) First Initial Flow 41 Jars _____ T-Started 10:18
 (C) First Final Flow 40 Safety Joint 75.00 T-Open 12:05
 (D) Initial Shut-In 1172 Circ Sub NC T-Pulled 13:25
 (E) Second Initial Flow 42 Hourly Standby _____ T-Out 14:56
 (F) Second Final Flow 49 Mileage 128 RT = #160.00 Comments _____
 (G) Final Shut-In 1076 Sampler _____
 (H) Final Hydrostatic 1946 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1360.00

Initial Open 5 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 15 Flushed tool Extra Copies _____
 Final Shut-In 30 Sub Total 1360.00 Total _____
 MP/DST Disc't _____

Approved By Larry Friend Our Representative Mike Roberts

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 040675

Well Name & No. Tuttle #1 Test No. 3 Date 1-30-11
 Company R+L Investment LLC Elevation 2544 KB 2539 GL
 Address 217 Saint Peter Merland KS
 Co. Rep / Geo. LARRY FRIEND Rig WW#4
 Location: Sec. 13 Twp. 13 Rge. 28 Co. Grove State KS

Interval Tested 4247-4303 Zone Tested Miss
 Anchor Length 56 Drill Pipe Run 4119 Mud Wt. 9.1
 Top Packer Depth 4243 Drill Collars Run 123 Vis 51
 Bottom Packer Depth 4247 Wt. Pipe Run Ø WL 7.6
 Total Depth 4303 Chlorides 2000 ppm System LCM TRACE

Blow Description IF: Weak surface Blow
IS: NO Return Blow
FF: Built to 2 1/4" Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Free oil</u>	<u>100</u>			
<u>51</u>	<u>MCD</u>	<u>60</u>		<u>40</u>	
<u>62</u>	<u>OCM</u>	<u>20</u>		<u>80</u>	

Rec Total 123 BHT 122 Gravity 29 API RW 1 @ 1 ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2223 Test 1225.00 T-On Location 14:30
 (B) First Initial Flow 44 Jars _____ T-Started 16:54
 (C) First Final Flow 50 Safety Joint #75.00 T-Open 18:24
 (D) Initial Shut-In 1211 Circ Sub NC T-Pulled 22:15
 (E) Second Initial Flow 54 Hourly Standby _____ T-Out 00:46
 (F) Second Final Flow 89 Mileage 128 RT = #160.00 Comments _____
 (G) Final Shut-In 1058 Sampler _____
 (H) Final Hydrostatic 2288 Straddle _____

Ruined Shale Packer _____
 Ruined Packer RECEIVED
 Extra Copies OCT 18 2012
 Initial Open 5 Extra Packer _____ Sub Total _____
 Initial Shut-In 30 Extra Recorder _____ Total KCC WICHITA
 Final Flow 75 Day Standby _____ MP/DST Disc't _____
 Final Shut-In 120 Accessibility _____
 Sub Total 1760.00

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TRILOBITE TESTING INC.

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Test Ticket

NO. 040677

Well Name & No. Tuttle #1 Test No. 4 Date 1-31-11
 Company R+L Investment LLC Elevation 2544 KB 2539 GL
 Address 217 Saint Peter Morland KS
 Co. Rep / Geo. Larry Friend Rig WW #4
 Location: Sec. B33 Twp. 93 Rge. 28 Co. Grove State KS

Interval Tested 4301-4311 Zone Tested Miss.
 Anchor Length 110 Drill Pipe Run 4159 Mud Wt. 9.4
 Top Packer Depth 4297 Drill Collars Run 23 Vis 54
 Bottom Packer Depth 4301 Wt. Pipe Run 0 WL 8.0
 Total Depth 4311 Chlorides 2000 ppm System LCM Trace
 Blow Description IF! Built to 3" Blow
TS! No Return Blow
FF! BOB in 50 Min
FS! Weak surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>67</u>	<u>Free Oil</u>	<u>100</u>			
<u>64</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
<u>62</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
<u>61</u>	<u>OCMW</u>	<u>10</u>	<u>50</u>	<u>40</u>	

Rec Total 254 BHT 128 Gravity 27 API RW 381 @ 51.4 ° F Chlorides 11,000 ppm
 Test \$225.00 T-On Location 06:30
 Jars T-Started 07:51
 Safety Joint \$75.00 T-Open 09:50
 Circ Sub NC T-Pulled 13:40
 Hourly Standby T-Out 15:39
 Mileage 128 RT=160.00 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$1460.00 MP/DST Disc't _____

Initial Open 5
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 120
 Approved By Larry Friend

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