

Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

1165383

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
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:	Producing Formation:  Elevation: Ground: Kelly Bushing: Feet  Total Vertical Depth: Plug Back Total Depth: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
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 #:	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:
☐ ENHR         Permit #:           ☐ GSW         Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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:

Page Two



Operator Name:				Lease I	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whet vith final c	ther shut-in pre hart(s). Attach	essure reac extra shee	hed stati t if more	c level, hydrosta space is neede	tic pressures, bod.	ottom hole temp	erature, fluid re	ecovery,
Final Radioactivity Lo files must be submitte						gs must be ema	liled to kcc-well-	ogs@kcc.ks.go	v. Digital electi	ronic log
Drill Stem Tests Taker (Attach Additional		Ye	es No			J	on (Top), Depth		Samp	
Samples Sent to Geo	logical Survey	Ye	es No		Nam	e		Тор	Datum	1
Cores Taken Electric Log Run		☐ Ye								
List All E. Logs Run:										
				RECORD	Ne					
	0: 11.1					ermediate, product		" 0 1	T 15	
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives		
Perforate Protect Casing	Top Detterm									
Plug Back TD Plug Off Zone										
1 lug 0 li 20 lio										
Did you perform a hydrau	ulic fracturing treatment of	on this well?	•			Yes	No (If No, s	kip questions 2 a	nd 3)	
Does the volume of the t			_		-		= ` `	kip question 3)		
Was the hydraulic fractur	ing treatment information	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, f	ill out Page Three	of the ACO-1)	
Shots Per Foot			D - Bridge Plug Each Interval Perf				cture, Shot, Ceme			Depth
						(			_	
TUBING RECORD:	Size:	Set At:		Packer A	<del></del>	Liner Run:				
		0017111				[	Yes N	0		
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gra	avity
DIODOCITI	01.05.040			4ETUOD 05	001451	TION		DDODLIGT	ONLINITED (A)	
DISPOSITION Solo	ON OF GAS:  Used on Lease		N Open Hole	∥ETHOD OF ☐ Perf.			nmingled	PRODUCTION	ON INTERVAL:	
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	R. STEVENSON 4 ATU-44
Doc ID	1165383

## Tops

Name	Тор	Datum
Krider	2312	KB
Winfield	2362	KB
Towanda	2417	KB
Fort Riley	2466	КВ
Funston	2581	KB
Middleborg	2681	KB
Cottonwood	2737	KB
Grenola	2804	KB

ır	B SUMM	IAR\	/		TN# 142	2	TICKET DATE	6/21/2013		
ZYMYV	COMPANY	W XI.X.			CUSTOMER REP	linning				
J10111011	Linn Energy				Weldon Higgins					
EASENAME Well No. R. Stevenson 4 ATU 44	Surface				Derek Le					
EMP NAME										
Derek Lewis										
Chris Lewis										
Ed Pickard						<del></del>		<del></del>		
Steve Crocker							l			
Form. Name Council - Grove Type:		3714-17750							1.00.01	
		Date	Cal	led Out 6/21/13	On Location 06/21/		06/21/13		mpleted 3/21/13	
Packer Type Set At Bottom Hole Temp. Pressu		100.0			l .	- 1		1		
Retainer Depth Total D		Time		1200	1900		<u> 2111                                 </u>	2	203	
Tools and Accessorie					Well D	ata		_ =	The Aller	
Type and Size Qty	Make			New/Used		Size Grade	From	730	Max. Allow 1500	
Auto Fill Tube 0	IR	Casing		New	24#	8.625" +4	KB	/30	1500	
Insert Float Valve 0	IR	Liner			ļ				<del> </del>	
Centralizers 0	IR	Liner			<b></b>		<b>├</b> ──		+	
Top Plug 0	IR	Tubing			<del> </del>		<del> </del>		+	
HEAD 0	IR	Drill Pi					<del>                                     </del>	-	Shots/Ft.	
Limit clamp 0	IR	Open I					<del></del>	<del>                                     </del>	SHOUS/FL.	
Weld-A 0	IR	Perfora	_			-	<del> </del>	<del>                                     </del>	+	
Texas Pattern Guide Shoe 0	IR	Perfora				<del>                                     </del>	+		+	
Cement Basket 0	R	Perfora			Operating	Hours	Descri	ption of Job		
Materials	8.9 Lb/Gal	Hours	<u>On</u>	Location Hours	Date	Hours				
Mud Type WBM Density	8.33 Lb/Gal	06/21		4.0	06/21/13	2.0	Surfac	e		
Disp. Fluid H20 Density H20 BBI 10	ED/Gai	00/21	110	7.0	00.21.10		7 BBL	S Cement to	Surface	
Sharel type		-		<del></del>			Cemer	nt Fell After	Shut Down	
Spacer typeBBL Acid TypeBal.	%	<del></del>					Top Or	ut Required		
Acid Type Gal Acid Type Gal	%							9.0 30		
Surfactant Gal.	iñ ====						1000	W220		
NE Agent Gal.										
Fluid Loss Gal/Lb	in									
Gelling Agent Gal/Lb	in									
Fric. Red. Gal/Lb	ln						_			
MISC. Gal/Lb	in	Total		4.0	Total	2.0	_			
					0-	2011000				
Perfpac BallsQtv.				915	AVG.	essures 180				
Other		MAX		910	Average	Rates in B	PM			
Other		MAX		4	AVG	4				
Other		IMWV		-		nt Left in Pi	DE .			
Other		Feet	44	ı		K Ecit iii i i		e Joint		
Other		reet	444	otto - With	reason	- 1	-	20	Helit I	
			`om	ent Data						
Stage Sacks Cement		Additiv		TO DESCRIPTION OF THE PARTY OF			W/F			
Stage Sacks Cement 1 450 Class C	2% C.C. + 0.25#/SK. Ce						6.3	30 1.32	14.8	
1 450 Class C			-							
	+				···					
3		-								
<del></del>										
		Si	ugnin	nary						
Preflush Type:			, ,,,,	Preflush:	BBI	10.0			H20	
	MUM			Load & Bkdn				3bi -Gal _		
Lost	Returns-N	0		Excess /Reti	ırn BBI	7		Disp Bbl	43.70	
	I TOC			Calc. TOC:	Cal BRI	Surfa	ce Actua Disp:	al Disp.	43.70	
101000	Gradient	Ti-		Treatment: Cement Slur	Gal - BBI	106.				
ısıp5 Min10 Mi	n15 N	HITT		Cement Side Total Volume		159.7				
			_	TOTAL VOIGHTR	- 401	,,,,,,,,	<del></del>			
	1 -		_	,						
	IVE Wel	0	1/							
CUSTOMER REPRESENTAT	IVE WELL	Y 1	<u> </u>	ech						
			_	7/-	SIGNATUR			-inc		
20 -6 T				7			u For U			
						O TEN	Pumpi	ina		

JOB SUM	MARY		TN# 144		TICKET DATE	/22/2013		
COMPANY	CUSTOMER REP							
Stanton   Linn Energy					Weldon Higgins			
R. Stevenson 4 ATU 44 Top-out			Derek Lev	wis				
EMP NAME Derek Lewis								
Chris Lewis								
Rory Morris					<del> </del>			
							- 10 10	
Form, Name Council - Grove Type:	[Call	ed Out	TOn Location	n Jol	Started	Job Co	mpleted	
Packer Type Set At	Date	6/21/13	06/22/	13	06/22/13	06	/22/13	
Bottom Hole Temp. Pressure	Time	23;00	400					
Retainer Depth Total Depth	Time	20,00	Well D	ala				
Type and Size Oty Make		New/Used	Weight	\$i2e Grade 8.625" J4	From	730	Max. Allow 500	
Auto Fill Tube 0 IR	Casing	Used	24#	8,625" 14		130	300	
Insert Float Valve 0 IR	Liner		1		1 1			
Centralizers         0         IR           Top Plug         0         IR	Tubing							
HEAD 0 IR	Drill Pipe		L		<del>                                     </del>		Shots/Ft.	
Limit clamp 0 IR	Open Hole				+		SHUIS/FI.	
Weld-A         0         IR           Texas Pattern Guide Shoe         0         IR	Perforation:							
Texas Pattern Guide Shoe 0 IR Cement Basket 0 IR	Perforation	5				Non-of-to-		
Materials	Hours On I	ocation	Operating	Hours Hours	100000000000000000000000000000000000000	tion of Job		
Mud Type WBM Density 8.9 Lb/Ga		Hours 2.0	Date 06/22/13	1.0	Top-out	13		
Disp. Fluid na Density na Lb/Ga Spacer type H20 BBL. 2	00.22.13				Got Cer	nent to Sur	face	
Consections BRI	()				_			
lacid Time Gal %	<b>√</b>							
Acid Type Gal. % Surfactant Gal. In								
INF Agent Gal. In								
Fluid Loss   Gal/Lb   In	<b>√                                    </b>			<del>                                     </del>	3			
Gelling Agent Gal/Lb In Fric. Red. Gal/Lb In	┨ ├───	<del>                                     </del>	<u> </u>					
MISC. Gal/Lb in	Total	2.0	Total	1.0				
			Pr	essures				
Peripac Balls Qty.	MAX	70	AVG	40				
Other		<u> </u>		Rates in B	PM			
Other	MAX	2	AVG Cemen	t Left in Pi	ne.			
Other	Feet na		Reason			ia		
Other			V					
		ent Data		7.0	I W/R	a. Yield	Lbs/Gal	
Stage   Sacks   Cement	Additives Colleflake				6.30			
1 300 Class C 2% c.c. + 0.25a/Si								
3					$\rightarrow$		+	
4					_	-	+	
	Summ	narv						
Preflush Type:		Preflush:	BBI	2.00			H20	
Breakdown MAXIMUM	0	Load & Bkdn Excess /Reti	: Gal - BBI	3		bi-Gai Asp Bbi		
Lost Returns-N Actual TOC	<u> </u>	_ Excess /Ren	nitt bbl	Surfa	ce Actual	Disp.	na	
Average Frac. Gradient		Treatment:	Gal - BBI	12.0	Disp:E			
ISIP5 Min10 Min1	5 Min	Cement Slur Total Volume		#VAL				
		TOTAL VOIGITIE						
	00 /1	,						
CUSTOMER REPRESENTATIVE	ble Hera							
OSOTORIES NEDESTRICE		0.	SIGNATUR		u Escilo	vine		
					ou For Us			
			•	U - TEX	( Pumpi	ng		

	_J(	OB SUMN	(AR)			TN # 145			6	/23/201	3	
OUNTY		Linn Energy				Weldon Higgins EMPLOYEE NAME						
Stanton		JOB TYPE				EMPLOYEE NAME Michael Chalfant						
R. Stevenson 4 ATU 4	4	Production				Micha	ei Unar	tant_				
EMP NAME						<del>_</del>	T	T				
Michael Chalfant			_	$\vdash$								$\neg \vdash$
Derick Lewis	╌											
Chris Lewis Rory Morris	$\vdash$											
	Tyme					3e = 33			0	2000	900	
Form, Namecouncil - Grove	Type				d Out	On Location 06/23/	1	Job St	arted	Job (		
Packer Type	Set At		Date		6/23/13	06/23/	13	01	6/23/13		06/23	/13
Bottom Hole Temp.	Press	ure	Time	١,	0400	830		9	30		1200	
Retainer Depth	_ I otal !	Jepin	Time		<u> </u>	Well D	ala	0.5	100		-	
Tools and Acc	oty	Make			New/Used		Size Gri	ade	From	То		x. Allow
	0	IR	Casing		New	15.5	5.5	746		3101	2	2500
Insert Float Valve	0	IR	Liner								-	
Centralizers	0	IR	Liner		+		-	+			-+-	
Top Plug	0	IR	Tubing			<del>                                     </del>		-				-
neau	0	IR ID	Open I			J	-	-+-			s	hots/Ft.
LITHI CIGIND	0	IR IR	Perfor									
VVEIQ-0	0	IR IR	Perfora									
	Õ	ÍŘ	Perfor	ations					0	time of t	<u></u>	
Material		8.8 11.6.D	Hours	On Lo	cation	Operating Date	Hours Hour	<u> </u>		tion of J	JD O	
111.00 1110	nsity	8.9 Lb/Gal 8.33 Lb/Gal	06/23		Hours 3.0	06/23/13	2.0	<del>"</del>	Product	tion		
Diap, ridia	nsity	-e-in-	00/20	1					No Retu	ırns Duri	ng	
Spacer type H20 BBL. Spacer type BBL.				Displa						ement. N	o Cei	nent
Acid Type Gal.		_%	to Surface									
Acid Type Gal.		-%	-	-		<u> </u>		$\dashv$				_
SurfactantGal.		111	<u> </u>	<del>-</del>					V			
NE Agent Gal.		In		_								
Fluid Loss		ln										
Fric. Red. Gal/LI	5	In			3.0 Total 2.0					_	_	
MISC. Gal/LI	b	In	Total	L	3.0	Total	2.0				-	
Perfpac Balls	- 01:					Pr	essures					
Other	— CIV.		MAX		940	AVG	21	00				
Other						Average						
Other			MAX		4		. l -63 !-					
Other				Cement Left in Pipe Feet 44 Reason Shoe Joint								
Other			Feet	44		RedSON			31100	2-1112		
				Comer	nt Data						Nage green	
Stage Sacks Cemen	ıt .		Additiv		n ward				W/R			Lbs/Gal
1 205 Class C		0.2% C-41P, + 5% GYP	+ 0.25#/SK.	Celloffai	iq				23.4			10.8
2 95 Class (		2% GEL. + 0.2%	C-16A, +	2% C	.c.			16 16	10.4	4 1.9	1U	13.0
3		DO NOT PUMP	OVER 4 B	I.P.M. \	WATCH FOR	CIRC. WHILE	PUMPI	NG JO	R		+	
4									+		$\dashv$	
					-	- V			- 5%			
			S	umma	rv Preflush:	ВВІ	10	0.00	Type:	9)	H20	<u> </u>
Desfinite 40	Тиел					יסם				_		
Preflush 10	Type				Load & Bkdn	Gal - BBI			Pad:Bl			
Preflush 10 Breakdown	MAX Lost	Returns-h	71		Load & Bkdn Excess /Retu	Gal - BBI		0	Calc C	isp Bbl		71 00
Breakdown	MAX Lost Actu	Returns-h			Load & Bkdn Excess /Retu Calc. TOC:	: Gal - BBI um BBI		0	Calc D Actual	isp Bbl Disp		71.00
Breakdown Average	MAX Lost Actu Frac	Returns-N al TOC Gradient	71		Load & Bkdn Excess /Retu	Gal - BBI um BBI Gal - BBI	3		Calc C	isp Bbl Disp		/1.00
Breakdown	MAX Lost Actu Frac	Returns-h	71		Load & Bkdn Excess /Retu Calc TOC Treatment:	Gal - BBI um BBI Gal - BBI ry: BBI	3	00	Calc D Actual	isp Bbl Disp	11/65	71.00
Breakdown Average	MAX Lost Actu Frac	Returns-N al TOC Gradient	71		Load & Bkdn Excess /Retu Calc. TOC: Treatment: Cement Stur	Gal - BBI um BBI Gal - BBI ry: BBI	3	55.0	Calc D Actual	isp Bbl Disp		71.00
Average 5 Min.	MAX Lost Actu Frac 10 M	Returns-Nual TOC Gradient	71 Min		Load & Bkdn Excess /Retu Calc. TOC: Treatment: Cement Stur	Gal - BBI um BBI Gal - BBI ry: BBI	3	55.0	Calc D Actual	isp Bbl Disp		71.00
Average 5 Min.	MAX Lost Actu Frac 10 M	Returns-Nual TOC Gradient	71 Min		Load & Bkdn Excess /Retu Calc. TOC: Treatment: Cement Stur Total Volume	Gal - BBI urn BBI Gal - BBI rv: BBI e BBI	16 24	55.0	Calc D Actual	isp Bbl Disp		71.00
Breakdown Average	MAX Lost Actu Frac 10 M	Returns-Nual TOC Gradient	71 Min		Load & Bkdn Excess /Retu Calc. TOC: Treatment: Cement Stur Total Volume	Gal - BBI Gal - BBI TV: BBI E BBI SIGNATUR	3 16 24	55.0 6.00	Calc D Actual Disp 8	isp Bbl Disp Ibl		71.00
Average 5 Min.	MAX Lost Actu Frac 10 M	Returns-Nual TOC Gradient	71 Min		Load & Bkdn Excess /Retu Calc. TOC: Treatment: Cement Stur Total Volume	Gal - BBI Gal - BBI ry: BBI BBI BBI SIGNATUR	3 	55.0 6.00	Calc D Actual	Disp Bbl Bbl Bbl		71.00