Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1246595

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:			Sec.	TwpS. R	East _ West				
Address 2:			F6	eet from North /	South Line of Section				
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section				
Contact Person:			Footages Calculated from	Nearest Outside Section C	Corner:				
Phone: ()			□ NE □ NW	V □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:	W	ell #:				
	e-Entry	Workover	Field Name:						
	_		Producing Formation:						
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:					
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total D	epth:				
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet				
☐ Cathodic ☐ Other (Co	ore. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No				
If Workover/Re-entry: Old Well I			If yes, show depth set:						
Operator:			If Alternate II completion, c	cement circulated from:					
Well Name:			feet depth to:	w/	sx cmt.				
Original Comp. Date:									
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Plan					
Plug Back	Conv. to G		(Data must be collected from to						
Commingled	Permit #		Chloride content:	ppm Fluid volume	: bbls				
Dual Completion			Dewatering method used:_						
SWD			Location of fluid disposal if	hauled offsite:					
ENHR	Permit #:								
GSW	Permit #:		Operator Name:						
			Lease Name:						
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East West				
Recompletion Date		Recompletion Date	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:

104

1246595	

Operator Name:			Lease Na	me:		Well #:				
Sec Twp	S. R	East West	County: _							
open and closed, flow	ow important tops of foing and shut-in pressu o surface test, along wi	res, whether shut-in p	ressure reache	d static level, hy	drostatic pressures, b					
	g, Final Logs run to ob d in LAS version 2.0 o				e emailed to kcc-well-	logs@kcc.ks.go	v. Digital electronic lo			
Orill Stem Tests Taken (Attach Additional S		Yes No			ormation (Top), Depth		Sample			
Samples Sent to Geol	ogical Survey	☐ Yes ☐ No		Name		Тор	Datum			
Cores Taken Electric Log Run		Yes No								
ist All E. Logs Run:										
		CASIN Report all strings se	IG RECORD	New Use						
Purpose of String	Size Hole	Size Casing	Weight	Settir	ng Type of	# Sacks	Type and Percent			
- urpose or string	Drilled	Set (In O.D.)	Lbs. / Ft	t. Dept	h Cement	Used	Additives			
		ADDITION	AL CEMENTING	i / SQUEEZE REG	CORD					
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Us	sed	Type and Percent Additives					
Perforate Protect Casing	тор вопот									
Plug Back TD Plug Off Zone										
1 lag on zono										
	lic fracturing treatment or			Yes	No (If No, s	skip questions 2 ar	nd 3)			
	otal base fluid of the hydra					skip question 3)	of the ACO 1)			
vas the hydraulic fracturi	ng treatment information	submitted to the chemic	ai disclosure regis	try? Yes	No (If No, i	fill out Page Three	or the ACO-1)			
Shots Per Foot		N RECORD - Bridge Plootage of Each Interval F		Ac	cid, Fracture, Shot, Ceme (Amount and Kind of I		d Depth			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Rur	n: Yes N	lo.				
Date of First Posumed	Production, SWD or ENH	R. Producing M	ethod:							
Date of First, nesumed	i ioddolioli, gwd di ENH	Flowing	Pumping	Gas Lift	Other (Explain)					
Estimated Production Per 24 Hours	Oil Bl	bls. Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity			
DISDOSITIO	ON OF GAS:	· ·	METHOD OF CO	OMPLETION:		PPON IOTIC	ON INTERVAL:			
Vented Sold	Used on Lease	Open Hole	Perf.	Dually Comp.	Commingled	LUODOCIIC	ZIN IINTERVAL.			
(If vented, Sub		Other (Specify)	(5	Submit ACO-5)	(Submit ACO-4)					
		Outon (Opeolly)			-					

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	TILLIE CLOW 5 ATU-259
Doc ID	1246595

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	730	Premium Class C	450	
Production	7.875	5.50	15.50	2857	O-Tex LowDense	395	

SOURTY	JOB SUMMARY					489		2/6/2015			
Grant		Linn Energ		1 - 224	Orlando Orlando						
illie Clow	5 ATU-259	Surface			MARK	ABREGO					
AP NUME		100.100			Imparto	ADREGE					
ARIO ABREGO		7-10-10-10-10-10-10-10-10-10-10-10-10-10-									
HAWN COTTON ONY LEWIS									. 7 19		
ONNY BLACKWOO	00			-	The state of the s						
orm. Name	Ty	oe:			700						
acker Type			C	2/5/2015	On Local	on J	ob Started 62/05/15	Job (omplete 12/06/15		
ottom Hole Temp	. Se	AI	Date	2/5/2015	02/0	115	02/05/15		12/06/15		
etainer Depth	To	al Daoth	Time	1:00PM	7:00	PM	11:50PM	1 1	MA00:		
Type and Si	ools and Access	ories Make		Manufilmed	Well				77.6		
uto Fill Tube	0	IR.	Casing	New/Used	Weight 24		se From	730	Max. Al		
sert Float Valve	0	R	Liner	1000	-	0,020	1	730	200		
entralizers op Plug	0	IR.	Liner	100							
EAD	10	IR IR	Tubing Drill Pipe				-				
nit clamp	0	iR	Open Hole						Shots		
eld-A xas Pattern Guld	e Shoe 0	R	Perforation	16					- Cincar		
The same of the sa		IR IR	Perforation Perforation	15			-				
	Materials Density		Hours On	ocation	Operating	Hours	Descripti	on of Jo	-		
od Type	H20 Density	8.33 Lb/Ga		Hours	Operating Dele 02/05/15	Hours	Surface		-		
ecor has His			420313	4.0	02/03/15	2.0					
acer type	BBL =										
id Type	Gal.	- %	1 1		4000000		1				
acer type id Type id Type rfactant	Gal.	In							_		
Agent	Gal/Lb	n									
Hing Agent	Gal/Lb —				222.23		-		_		
c. Red SC.	Gal/Lb	!n						- 0			
	Gal/Lb	In	Total	4.0	Total	2.0					
ripac Balls	Qty.					SSUTES					
ner			MAX	940	AVG	90					
Jer			MAX	3	AVERAGE I	cates in B	PM				
ner					Cement	Left in Pip					
ier			Feet 43		Reason		Shoe Jo	dint			
_			Cemer	nt Date							
ge Sacks	Cement		Additives				W/Rq.	Yield	Lbs/Ga		
450 P	remium Class C	2% Calcium Chlerida	and 25 Walt Cellofts	ua .			6.34	1.35	14.8		
		TAKE 5 1/2 FLO	AT EQUIPMENT				_				
							-/-				
			Summa	D.							
flush	Туре		1	Preflush	881	10.00	Type:	H2	10		
hderen		Returns t	30	oad & Bkdn: (Gal - BBi	48	Pad:Bbl -(12		
	Acto	TOU		excuss /Ret imp Late TOC	וחם	15 SURFAC	Galc Disp Actual Dis		44.00		
rage 5 Min	Frac. 10 M	Gradient 151	200000000000000000000000000000000000000	Freatment: (Gal - BBI	an editorical	Disn Bbl	-			
2 1411	10 10	15 1		Coment Slurry Folal Volume		162.00					
				The Country		145.50					
1500001500		11)	00 17								
CUSTOMER RE	EPRESENTATI	VE UL	let ble	11-							
				10. 3	SIGNATURE	1.11					
							For Using				
					0	- TEX	Pumping				

	110000	100 01111				PROMETRUM		TICKETOKTE				
ESCHIY	JOB SUMN			Υ	- 9	TN# 14			2/7/2015			
Grant		Linn Energy				Weldon Higgins						
Idlie Clow	Well	No. JOBTYPE		Weldon Higgins					-			
Mar Crow	5 ATU 259	Production				Chris Le	wis					
hela Lorela							-		-	- Constant		
Itave Crocker												
eşeph Martinez	100	*			-			_	-			
	1											
orm, Name	* Тур	18:								10/38/20		
Packer Type	- Set	At .	Date	Cellec	Out	On Localid	On I	Job Started 02/07/15	Job (Omoletec 02/07/15		
lottom Hole Temp.	Pre	SSUITE	Date			42,07	"	W2V1118	1 '	JEIGITTO		
Retainer Depth		el Depth	Time			1300		1630		1742		
Type and Size	and Access	Make			New/Used	Well	Deta Stre Gr	* In 100 a	7-	144 40		
uto Fill Tube	0	IR	Casing		New	15.5	5.5	ide From	To 2857	Max. Alk 2000		
sert Float Valve	0	IR	Liner		1		 		2007	1		
entralizers	0	- 8	Liner									
op Plug EAD	0	IR IR	Tubing Orill Pix		-		₩					
mit clamp	0	R	Open I	ole						Shots/F		
/eld-A	6	R	Perfore	tions						J. Griudali		
exas Pattern Guide S ement Basket	hoe 0	IR	Perfora	dions								
	Materials	R	Perfora	0005	otion	Opention	Laure .	Non-1	tion of Jo			
ud Type a	Density_	0 Lb/Gal	Hours C		Hours	Operating Date 02/07/45	Hours	Product		9		
sp. Fluid H20 pacer type H20	BBL 10	8.33 Lb/Gal	02/07/	15	5.0	02/07/15	1.5	PTOGUGE	on			
pacer type	-88L			_	_			2857	FI	-		
cid Type	Gal	_%							-			
cid Type urfactant	Gel	-%		-			30	5.5 F	reduction			
E Agent	- Gal.	-in		_								
uid Loss	Gal/Lb								977			
elling Agent ic. Red.	Gal/Lb	_In		-				1000000	7/1/20			
SC.	Gel/Lb	-10	Total	_	5.0	Total	1.5					
- T - W							(L., 1747).					
erfpac Balls	Qty.		MAX		2000		300 300					
her			IIVIAA		zoou	AVG.		зри				
her			MAX		3	AVG	3.					
her			le	4.4			Left in Pi					
i let			Feet 4	44		Reason		Shoe J	oint			
			Ce	ment D	alan a							
	Cement		Additives					W/Rq.	Yield	Lbs/Gal		
	x LowDenso	2% Oyp, 2% Calcium Ci	ilarida, 2%, C-4	4, 9.4% C	-15, 8.4% C-41P	. 0.2% C-61, 0.2	S Attalk Collect		2.25	11.5		
2 0	Û	TAKE 8 5/8 FLOA	PEATRICIE	(1) (1) (1) (1) (1) (1) (1) (1)				0	0	0		
4		Trotal Gard Feat	CEOU AL						+			
0		24	Sum	mary	. 575				100	- 18 C		
eflush takdown	Type	MUM	477		flush: d & Bkdn: (BBI E	10.00	Type: Pad:Bbl		20		
	Lost	Returns I	0		ess /Relien		60	Calc Dis	h Bhi	100000		
erage		Gradient			TOC	- 100 E	G	Actual D	51)	67.00		
5 Min	10 M		٦.		stment; (nent Slurry	Gal - BBI BBI	159.0	Disp.Bbl	-			
1 man 2 m.	2 20 000					BBI	236.0					
				\Box								
		1.300	N									
CUSTOMER REP	RESENTATI	VE Listell	7 He	46								
				77		KINATURE						
				1				u For Usin				
				- 1		0	- TEX	Pumping				

JO		TN# 14	91	2/6/2015					
COUNTY	Inn Energy		1-04-10-	Orlando					
AND MARKE WAS NO. A	A TYPA			ESPLEYER WAR					
	OP OUT		17-11-17-1	MARIO A	BREGO		_		
MÁRIO ABREGO									
SHAWN COTTON			155						
MIGUEL MURGADO					0.00		1000		
					4.0				
Form, Name Characterist Type:									
Packer Type Sel At		ale Cal	led Out 2/6/2015	On Localid	on Job	Started 02/06/15	Job C	ompleted 2/06/15	
Bottom Hole Temp. Pressure		/atta	202010				1 "		
Retainer Depth Total De	pthT	ime	3:00PM	6:30F		6:50PM	7	:03PM	
Tools and Accessories	Webs 7	57978 1 1	New/Usad	Wei I	Size Grade	From	To	Max. Alic	
Type and Size Qty Auto Fill Tube 0	Make C	asing	New	24	8.625 JA	500'	730°	200	
Insert Float Valve 0		ner	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-		370		
Contratizers	IR L	ner							
Top Plug 0	IR T	ubing						-	
HEAD 0	IR D	rill Pipe pen Hole						Shots/	
Weld-A 0		erforation			\vdash			SHOLD	
Texas Pattern Guide Shoe 0	IR P	erforation	5						
Cement Basket 0	R P	erforetion	3	On amplica-	Jave	Descripti	an al lat		
Mud Type Wall Density (Lb/Gall	Ours On L	Hours	Operating Date	Hours				
Disp. Fluid 0 Density	Lb/Gal 7	2/06/15	Hours 1.0	02/06/15	Hours 1.0	TOP OUT			
Spacer type BBL. 0									
Specer type88L%							-		
Acid Type Gal. %									
Surfaciant Gal. In									
NE Agent Gal. in						_			
Gelfing Agent Gal/Lb In			COLUMN THE STATE OF	· ·					
Fric. RedGal/Lbin									
MISC. Gal/LbIn		otal	1.0	Total	1.0			40	
Perfpac BallsQty				Pre	ssures				
Other	M	AX	80	AVG.	80			M 53.2	
Other Other		AX	4	Average	Rales in BP	м			
Other	90		-		Left in Pipe				
Other	F	eet 0		Reason					
		200000							
Steel Code	A-	Cerner Iditives	nt Data			W/Rq.	Yield	Lbs/Ga	
Stage Sacks Cement 1 450 Premium Class C 23	Calcium Chieride and .25		ita			8.34	1.35	14.8	
2		AMM CONTRACT							
	KE 5 1/2 FLOAT EQ	UIPMENT				-	+		
4							+		
		Summa							
Preflush Type:			Preflush:	BBI DBI	0.00	Type:	124		
Breakdown MAXIMUI Lost Retu			Load & Bkdn: Excess /Reluir		22	Pad:8bl - Calc Disg			
Actual TO	ic		Calc TOC	7.000	SURFACE	Actual Di		0.00	
Average Frac. Gra	dient 15 Mm		Treatment: Cement Slurry	Gai - BBI	22.0	Diso Binl			
5 Min 10 Min	15 Mill		Cement Sturry Total Volume		22.00				
	1100	1/							
CUSTOMER REPRESENTATIVE	Wilde	- He	C						
		1-1-1-1	7.4	SIGNATURE					
						For Usin	9		
				0	- TEX F	umping			