

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1220938

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:



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Eures, whether shut-in predict final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		otain Geophysical Data a or newer AND an image		ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	logical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
			conductor, surface, inte		ion, 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 / SQL	JEEZE RECORD			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Perforate Protect Casing						
Did you perform a hydrau	ulic fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 aı	nd 3)
Does the volume of the to	otal base fluid of the hydr	aulic fracturing treatment ex	_	= :	No (If No, ski	p question 3) out Page Three	
Shots Per Foot	PERFORATIO Specify F	N RECORD - Bridge Plug ootage of Each Interval Per	s Set/Type forated		cture, Shot, Cement mount and Kind of Ma		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	HR. Producing Meth		Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole		Comp. Comp.	mmingled	PRODUCTIO	ON INTERVAL:
	bmit ACO-18.)	Other (Specify)	(Submit)	4CO-5) (Sub	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	JOHNSON B-4 ATU-103
Doc ID	1220938

Tops

Name	Тор	Datum
KRIDER	2225	KB
WINFIELD	2257	KB
TOWANDA	2322	KB
FT_RILEY	2382	KB
FUNSTON	2505	КВ
CROUSE	2565	КВ
MORRILL	2642	KB
GRENOLA	2684	КВ

Form	ACO1 - Well Completion
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
SURFACE	12.25	8.625	24	603	Premium Class C	390	
PRODUC TION	7.875	5.50	15.50	3108	O-Tex LowDense	440	

CONTY		OB SUM	MAR	Y		TN# 908		6/26/2014		
Morton		Linn Energy	CLESTONE, H. RE			es to well rep				
Johnson	04.43	Wall No	L HOSTINE		EMPLITEE MAKE					
FIG. WHE	DIAI	0 103	Production		JESUS JIMENEZ					
JESUS JIMENE	2	Т			T					
MIGUEL MURG	ADO	1-1								
TYLER LEE										
Form, Name _	•	_Type						and the same		· Windstay
Packer Type		Set A		Date	Called Out 6-26-14	On Locati 06/26	on Joi	Started 06/26/14	100 C	ompleted 6/26/14
Bottom Hole Te	emp.	Press		Date	0-20-14	Vorze	***	U0/20/14	"	0/20/14
Retainer Depth			Depth	Time	3:00AM	9:00/		10:30AM	1:	2:30PM
Type and	Tools and Ar	Cessor Otv I				Well				
Auto Fill Tube	Size	0	Make IR	Casing	New/Used New	Weight 15.5			To 3108	Max. Allow
Insert Float Val	ve	0	IR	Liner	New	13.3	5.5 44		3108	2000
Centralizers		0	IR	Liner						-
Top Plug		0	IR	Tubing						
HEAD		0	IR	Drill Pip	8					
Limit clamo Weld-A		0	IR IR	Open H						Shots/Ft.
Texas Pattern (Suide Shoe	0	IR IR	Perforal Perforal	uons lione					
Cement Basket		0	iR	Perfora			-			
	Material			Hours C	n Location Hours	Operating	Hours	Descript	ion of Job	1
Mud Type Disp. Fluid		ensity	0 Lb/Ga 8.33 Lb/Gal	06/26/1	Hours	Date 06/26/14	_Hours	Production		
Spacer type 3	UMSILIC BBL.	20	e.33 LIVGE	00/20/	4.0	U6/26/14	2.0			
Spacer type	BBL.							_		
Acid Type	Gal.		%	4					W-1	
Acid Type Surfactant	Gal.		-% In							
NE Agent	Gal		in —	1		1				
Fluid Loss	Gal/Ll		In			1		9		
Geiling Agent	Gal/LI		ln	5				3		
Fric. Red MISC.	Gal/Lt Gal/Lt		-ln							
-			_In	Total	4.0	Total	2.0	-		
Peripac Balis _		Qly.				Pre	essures			
Other				MAX	1500	AVG.	300			78 5
Other Other				MAX	3		Rates in BP	М		
Other				NVAX	- 3	AVG	Left in Pipe			
Other				Feel 4	14	Reason	Lest III Pipe	Shoe J	oint	- 1
	719 =	100		Sec. 17.17		ITCHSCII		01100 0	01111	_
- 10	1277345757				ment Data					
Stage Sacks	Cement	-	200	Additives				W/Rq.	Yield	Lbs/Gal
1 440 0	0	Cemen	2% Oypeum, 2% Calche O	nt Chloride, 2%	C-45, 8.4% C-15, 8.4%	C-41P, 4.2% C-51	I, 0.25 tarak Com		2.25	11.5
3 0	0		0					0	0	0
4									+	U U
		0.00	200			-			- 	
	- 4636	-	0	Sum	mary	-1.1 /a 1.V		120		
Preflush Breakdown		Type: MAXIN	4111.0		Preflush:	BBI	20.00	Type:	SODRUMS	BILICATE
J. GUNGOWII		Lost R		NO	Load & Bkdn. Excess /Retun	- PP	en.	Pad Bbi -		
		Actual	TOC	114	Calc. TOC	1 201	SURFACE	Calc Disp Actual Di		73.00
Average 5 Min	and the second second		Sradient		Treatment:	Gal - BBI		Disp Bbl		104
se5 Min		10 Min	15 Mil	10	Cement Slurry		176.0			
					Total Volume	BBI	269.00	and the same		
			300	1/						
CHSTOME	R REPRESEM	ITATIL	E Will	1						
COSTOME	V VELVESEL	MINIIV	- were	MA	Can.	SIGNATURE				
	2.70.5	7 77					nk You	For Using	~	
						U	* 1EX F	Pumping		

IOD OLUMBA DV								PERFERENCE			
COUNTY		OB SUM	MAR			TN# 90	8/24/2014				
0						Orlando					
LEASE NAME	Well No	JOB TYPE	JOB TYPE				EMPLOYEE NAME				
	ATU 103	Surface	Steve Crocke			ocker	1				
DID HAIRE											
Steve Crocker											
Miguel Murgado Miguel Garcia	\rightarrow			—							
miguei Garcia											
-											
Form Name Characteristics	Type:			Called	0.4	IO- Landa		. Di-d-d	14.5.0		
Packer Type ——	Set A		Date	Caried	-24-14	On Locatio 08/24	71.4 JOS	Started 06/24/14	700 C	ompleted 6/24/14	
Bottom Hole Temp.	Press		Vaic			00,24	'''	00/24/14	"	0124144	
Retainer Depth	Total	Depth	Time	1	100	1630		2010	2	108	
Tools and		es		313		Well D					
Type and Size	Oty	Make			NewUsed	Weight		From	To	Max. Allow	
Auto Fill Tube	0	IR	Casing		New	24	8.625	O.	603	1500	
Insert Float Valve	0	IR	Liner								
Centralizers Top Plug	0	IR IR	Liner							-	
HEAD	0	IR	Tubing Drill Pip							+	
Limit clamp	0	R	Open H			!		-		Shots/Ft.	
Weld-A	0	IR	Perforat							SHOUSEFT.	
Texas Pattern Guide Shoe	0	IR	Perforat							1	
Cement Basket	0	R	Perforat	ioกร							
Mud Type 6	tals	0 [b/Gall	Hours C	In Loc	ation	Operating I		Descrio	tion of Job		
Disp. Fluid H29	Density Density	8.33 Lb/Gal	06/24/1		Hours 5.0	Date 06/24/14	Hours 1.0	Surface			
Spacer type H20 BB:		0.55	00/24/	-	3.0	U0/24/19	1.0				
Spacer type BB								Puma Sa	pacer 10b	bls	
Spacer type BB Acid Type Gal Acid Type Gal		%						Pump Le	ad 994bb	ds	
Acid Type Gal		%			100			at 14.8ps	PG		
Surfactant Gal NE Agent Gal		_in		-							
	/Lb	-ln	-	-				Pump 36	bbls Disp	lacement	
	/Lb	In .						Compet	to Surface	: 30bbls	
Fric Red. Gal		In .							26sks		
MISC. Gal	/Lb	In	Total	1	5.0	Total	1.0				
			11100		X						
Peripac Balls Other			L				essures			- 1	
Other			MAX			Avacace	Rates in BP	Vi.			
Other	100		MAX		3.5	AVG	3	WI		1	
Other			Co				Left in Pipe			7.7	
Other			Feet	14	1100 mil S	Reason	200000	Shoe J	Joint .	1.144-1-151	
			24.073		Tomas				18		
				ment C	Data					-	
Stage Sacks Cemical 1 390 Premium I			Additives					W/Rq.	Yield	Lbs/Gal	
1 390 Premium (GIASS C	2% Calcium Chloride and	1.25 Eth Calls	Clika				6.34	1.35	14.8	
3									-		
4					-				-		
								_	+	\vdash	
			Sum	mary			W-124				
Prefiush	Type				flush:	BBI I	10.00	Туре:		20	
Breakdown	MAXIM			Loa	d & Bkdn:	Gal - BBI		Pad.Bbi	-Gal		
		elums-N	0	Exc	ess /Reluin	BBI	30	Calc Dis	р Вы	7.5	
Average	Actual Frac. (Gradient			c TOC	Gal - BBl	0	Actual Di		36.00	
tsir S Min	Treatment: Gal - BBI S4.0					מס מפוע	Disp Bbl				
	10 Min					BBI	140.00	270			
		1.11	2 11								
CUSTOMER REPRES	SENTATI	VE Weld	LH	#_ 1							
			- 1100	75/*		SIGNATURE					
					31 77 80		nk You	For Usin	σ		
				1				Pumping			
				- 1		U	- IEX	-umping	1		