

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1202409

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				
Address 2:			Feet from North / South Line of Section					
City: St	ate: Ziŗ	D:+	Feet	from East / West Line of Section				
Contact Person:			Footages Calculated from Ne	arest Outside Section Corner:				
Phone: ()			□ NE □ NW	□ SE □ SW				
CONTRACTOR: License #			GPS Location: Lat:	, Long:				
Name:				. xx.xxxxx) (e.gxxx.xxxxx)				
Wellsite Geologist:			Datum: NAD27 NAD27					
Purchaser:			County:					
Designate Type of Completion:			Lease Name:	Well #:				
New Well Re-	·Fntrv	Workover	Field Name:					
	_		Producing Formation:					
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground:	Kelly Bushing:				
☐ Gas ☐ D&A ☐ OG	☐ ENHR	☐ SIGW ☐ Temp. Abd.	Total Vertical Depth:	Plug Back Total Depth:				
CM (Coal Bed Methane)	G3W	Temp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Feet				
Cathodic Other (Core	Expl etc.)		Multiple Stage Cementing Co					
If Workover/Re-entry: Old Well Inf				Feet				
Operator:				nent circulated from:				
Well Name:			, ,	w/sx cmt.				
Original Comp. Date:			loot doparto.	W,				
	_	NHR Conv. to SWD						
Deepening Re-perf. Plug Back	Conv. to GS		Drilling Fluid Management F (Data must be collected from the					
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbls				
Dual Completion	Permit #:		Dewatering method used:					
SWD	Permit #:		Location of fluid disposal if ha	uled offsite:				
☐ ENHR	Permit #:		On and an Name					
GSW	Permit #:							
				License #:				
Spud Date or Date Rea	iched TD	Completion Date or		TwpS. R				
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:								

Page Two



Operator Name:			Lease Name: _			Well #:			
Sec Twp	S. R	East West	County:						
open and closed, flow and flow rates if gas t	ving and shut-in presson to surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,	
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	v. Digital elec	tronic log	
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp		
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m	
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No							
List All E. Logs Run:									
		CASING	RECORD Ne	ew Used					
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, etc.				
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Type and F Used Additiv			
		ADDITIONAL	OFMENTING / OOL						
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa			
Perforate	Top Bottom	Type of Cement	# Sacks Used	acks Used Type and Percent Additives					
Protect Casing Plug Back TD									
Plug Off Zone									
Did you perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)		
	=	raulic fracturing treatment ex	xceed 350,000 gallons			p question 3)	,		
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)		
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth	
	Сроспу Г	octago of Laon morvari of	ioratou	(>1	(Amount and Kind of Material Used) Depth				
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No				
Date of First, Resumed	Production, SWD or EN								
Fotimeted Device C	0" -	Flowing			Other (Explain)) O" D "			
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity	
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:		
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled				
	bmit ACO-18.)	Other (Specify)	(Submit)	ACO-5) (Sub	omit ACO-4)		-		

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	BARBEN C-4 ATU-79
Doc ID	1202409

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
SURFACE	12.25	8.625	24	727	Premium Class C	450	
PRODUC TION	7.875	5.50	15.50	3102	Otex Low Dense	350	

		JOB SUM	AAD	,	Mary More St.	TN# 41		TICKET DATE	1/3/2014		
COUNTY		COMPANY	UAIS			CUSTOMER REP					
Grant LEASE HAVE	Linn Energy Wel No. USB TYPE					Weldon Hingins					
	ATU 79	Surface				Jesus Ji	menez				
EMP NAME											
Jesus Jimenez											
Beau Clem											
Garcia-Hernandez Miguel Devin Londagin	- $+$ $+$	<u> </u>									
Form. Name Chase-Council Gra	Tyr	·0.									
Official series				Calle	d Out	On Location	n J	ob Started		ompleted	
Packer Type	Set		Date		1-2-14	01/02	114	01/03/14	0.	1/03/14	
Bottom Hole Temp. Retainer Depth		ssure al Depth	Time		15:00	0.958	333333	0.100694	444 0.	.145833333	
Tools and			11110			Well D					
Type and Size	Qty	Make			New/Used	Weight	Size Grad		To_	Max, Allow	
Auto Fill Tube	0	<u>IR</u>	Casing		New	24	B.625	44 0	727	1500	
Insert Float Valve Centralizers	0	IR IR	<u>Liner</u> Liner			<u> </u>			-	 	
Top Plug	Ö	IR IR	Tubing		1					+	
HEAD	0	IR	Drill Pi								
Limit clamp	0	IR	Open I							Shots/Ft.	
Weld-A Texas Pattern Guide Shoe	0	IR IR	Perfora							-	
Cement Basket	ō	İR	Perfora	tions							
Mater			Hours !	On Lo	cation	Operating	Hours	Descri	otion of Jot		
Mud Type 0 Disp. Fluid H20	Density Density	0 Lb/Gal 8.33 Lb/Gal	01/02/	14	Hours 5.0	Date 01/03/14	Hours 1.0	Surface	1		
Spacer type H20 BBI	1										
Spacer type BBI								7			
Acid TypeGal Acid Type Gal		%		\dashv				┨			
Surfactant Gal		in]			
INE AgentGal		ln		_							
Fluid Loss Gal Gelling Agent Gal		in									
Fric. Red. Gal		in		\pm			<u> </u>	J			
MISC. Gal	/Lb	In	Total		5.0	Total	1.0]			
Peripac Balls	Olv	20				Pre	ssures				
Other			MAX		800	AVG.	100				
Other			MAX		3	Average I		PM			
Other			MAX		3		Left in Pi	ne .			
Other			Feet	45		Reason		Shoe	Joint		
					Data			-1 10000		Luca	
Stage Sacks Ceme		2% Calcium Chloride and	Additive:					6.34		Lbs/Gal 14.8	
2	-1048 4							3.54	1,,,,,,		
3											
4								_			
		1	Sur	nman	,						
Preflush	Тур	e;			reflush:	BBI	10.00			20	
Breakdown		KIMUM	NO		oad & Bkdn:		38	Pad:Bb Calc.Di			
		t Returns-h	NO		xcess /Returr alc. TOC:	1 001	1,472		Disp.	43.00	
Average	Frac	c. Gradient		Ti	reatment:	Gal - BBI	400 8	Disp:Bl			
ISIP5 Min	10	⁄lin15 Mir			ement Slurry otal Volume	BBI 1	108.0 161.0				
	I			11	Julia Activitie	101	131.00	-			
			1-	-	•			<u> </u>			
CUSTOMER REPRES	ENTA	rive OA	1							İ	
						SIGNATURE					
								u For Usi			
						0	- TEX	Pumping	q]	

JOB SUMMARY						TN # 411 1/4/2014					
COMPANY						CUSTOMER REP					
Week No. LIPS TYPE						Orlando					
Barden C-4 A				Bryon Ha	ackett			77			
EMP NAME											
Bryon Hackett											
Steve Crocker											
Robert Buckman											
Form, Name	Туре	:		A 0	16.1	IOn Localia	- I leb	Started	Llob Co	mpleted	
	0-47		Date	Calk	ed Out 01/04/14	On Locatio		01/04/14	1300 00	/04/14	
Packer Type	_Set / Pres	At	Date		0.110-011-0	0 110-11	. 1.2	- 11-11-11			
Bottom Hole Temp Retainer Depth	— Total	Depth	Time		0620	1130		1540	17	748	
Tools and A	ccesso	ries				Well [)eta			104	
Type and Size	Qty	Make			New/Used		Size Grade	From	<u>To</u> 3102	Max. Allow 2500	
Auto Fill Tube	1	IR	Casing		New	15.5	5,5 .44	L VB	3102	2000	
Insert Float Valve	1	IR .	Liner					┝╌╌═┥			
Centralizers	26 1	IR IB	Liner Tubing	•		-					
Top Plug	1	IR IR	Drill Pir								
HEAD Limit clamp	+	IR IR	Open F							Shots/Ft.	
Weld-A	2	iR _	Perfora		1						
Guide Shoe	1	iŘ	Perfora								
Cement Basket	0	İR	Perfora	tions					At # 1-1		
Materia	s		Hours (On L	ocation	Operating	Hours Hours		tion of Job		
	ensity_	0 Lb/Gal 8.33 Lb/Gal	01/04/	44	Hours 7.0	Date 01/04/14	2.0	Product	tion	ľ	
	Density 20		0 1/0-4/	''- -	7,0	0 110-41 1-4					
Spacer type SodSilH20 BBL Spacer type BBL				-				Cement	To Surface	50 bbl	
Acid Type Gal.		_%									
Acid Type Gal.		_%						No Lost	Circulation	n	
Surfactant Gal.		In									
NE AgentGal.		In							-		
	ь			-							
Gelling Agent Gal/ Fric. Red. Gal/		in			 (-				
Fric. RedGal/			Total		7.0	Total	2.0				
Perfpac Balls	Qty.						essures			i	
Other			MAX		1020	AVG	Rates in BP	KA-			
Other			MAX		3	AVEIAGE		IAI			
Other		I	IVIAA		<u> </u>		t Left in Pipe	?			
Other			Feet	44		Reason		Shoe '	Track		
Other			1 001								
			c	eme	nt Data						
Stage Sacks Ceme	nt		Additive	es.				W/Ro	. Yield	Lbs/Gal	
1 350 Otex Low		5% Gypsum,2% Calcium	Chloride, 29	C-45,	0.4% C-15 0.4% C-4	1P, 0.2% C-51, 0	1.75 lbs/sk cellofli	uko 17.24		11.0	
2 0 0		Load 420 gals So	dium Silic	ate i	nto trailer, Add	110 bbls H2	O on location	n 0	0	0	
3		Take 10 gals of Cl	laymax fo	r Dis	placement				 -		
4								_		 	
			Su	mma		BBI	20.00	Type:	Sod	SiIH20	
Preflush	Type				Preflush: Load & Bkdn:		20.00	Pad:Bb			
Breakdown		Returns N	0		Excess /Retur		50	Calc Di	sp Bbl		
		ral TOC			Calc TOC		0	Actual [73.00	
Average	Frac	. Gradient			Treatment:	Gal - BBI	174.0	Disp Bb	DI		
ISIP5 Min	10 //	fin15 Mii	n		Cement Slurry Total Volume	: BBI	267.00				
					1 Otal VOIUME	DDI	207.00				
		· · · · · · · · · · · · · · · · · · ·						<u> </u>			
					(1)	1				ļ	
CUSTOMER REPRES	SENTA	TIVE			(les	SIGNATURAL PROPERTY OF					
						SIGNATURE	ank Va	For Usi	ri c		
						C) - TEX	Pumpin	g		