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Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test		a.				(See Instruc	ctions on Re	everse Side	e) .			
✓ Open Flow✓ Deliverabilty				Test Date: 12/04/13			·	API No. 15 15-075-10019-00-			00-00		
Company Linn Ope		j Ind			, , , , , , , , , , , , , , , , , , , ,			Lease HCU				3111	Well Number
County Hamilton			Locat C SW			Section '		TWP 21S			/W)	Acres Attributed 640	
Field Bradsha	w					Reservoir Winfield					thering Conn Field Service		•
Completion 7/17/62	on Date	e ·			-	Plug Bac 2801'	k Total Der	oth		Packer	Set at		
Casing Si 4.5	Casing Size 5		Weight 9.5			Internal E 4.090	Diameter	Set at 2804'		Perforations 2756'		то 2757'	
Tubing Si 2 3/8	ubing Size 3/8		Weight 4.7			Internal D 1.995		ameter Set at '2788		Perforations		To	
Type Com Single C		n (De	escribe)			Type Flui Gas - \	d Production	on		Pump U Pump	nit or Traveling	g Plunger? Yes Ye	/ No S
Producing	Producing Thru (Annulus / Tubing) Annulus			ng)		% C	arbon Diox	kide		% Nitrogen		Gas Gravity - G _g .776	
	rtical Depth(H)		·			Pres Flan		sure Taps		•		(Meter Run) (Prover) Size 2.067"	
	Buildu	p:	Shut in 12	/03	2	0_13 at_1			Taken 12	2/04	20	13 _{at} 11:00	
Well on L	ine:		Started		2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
							OBSERV	ED SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	ynamic Size		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In					•	•		18	32.4	Pump		24	
Flow													
				1			FLOW ST	REAM ATT	RIBUTES				
Plate Coeffieci (F _b) (F _b Mcfd	ient ,	Circle one: Meter or Prover Pressure psia			Press Grav Extension Fac ✓ P _m x h F ₃		tor Temperatu			iation etor _{pv}	Metered Flov R (Mcfd)	W GOR (Cubic Fe Barrel)	Gravity
								· · · · · · · · · · · · · · · · · · ·				•	
(P _c) ² =		_:	(P _w) ² =		:	(OPEN FLO		VERABILITY % (/) CALCUL P _c - 14.4) +		<u></u> :	(P _a) (P _d)	² = 0.207 ,
(P _c) ² - (F or (P _c) ² - (F	_	(P	(c) ² - (P _w) ²	, , 2	se formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ and by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	SIC As	essure Curve ope = "n" or ssigned dard Slope	1	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
		,							•				_
												,	
Open Flow	oen Flow				Mcfd @ 14.0	65 psia	5 psia		Deliverability		Mcfd @ 14.65 psia		
							•					ort and that he ha	_
he facts st	ated th	erei	n, and that s	aid r	eport is true	and correct	t. Executed	this the 5			December	•	, 20 <u>13</u>
			Witness ((if any)					XIV	Aus	— 77~ For C	COMPANY	KCC WICH
			For Comr	nission	1 .		-			·	Chec	cked by	DEC 13 20

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.	s t
and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease record	
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the HCU 3111	l.
gas well on the grounds that said well:	
(Check one) is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER	
is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 mcf/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commiss	sion
staff as necessary to corroborate this claim for exemption from testing.	
Date: 12/5/13	
Signature: Man Hilarata	
Title: Regulatory Compliance Advisor	

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

KCC WICHITA

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