RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side	e) .				
Ор	en Flov	v			Test Date				۸DI	No. 15			
√ Del	liverabi	ity			. 11/21/13					075-20233-0	00-00		
Company Linn Ope		Inc					Lease HCU				2930-1	Well Number	
County Location Hamilton C NW SE					Section 29		TWP 23S			RNG (E/W) 40W		Acres Attributed 640	
Field Bradshaw				Reservoir Winfield				Gas Gathering Connection Oneok Field Services					
Completion Date 3/26/79					Plug Back Total Depth 2522'			n Packer Set at		Set at			
Casing Size 4.5			Weight 10.5		Internal Diameter 4.090		Set at 2554'		Perforations 2495'		то 2501'		
Tubing Size Weight 2 3/8 4.7			t	Internal Diameter 1.995			Set at 2501'		rations	То			
Type Completion (Describe)						Type Fluid Production Gas - Water			Pump Unit or Traveling Plunger? Yes / No Pump				
					% C	% Carbon Dioxide			% Nitrogen Gas Gravity - G _g .784				
Vertical Depth(H) 2598						Pressure Taps Flange					(Meter 2.067	Run) (Prover) Size	
	Buildup	o: 8	Shut in11/2	20 2	0 13 at 1			Taken_11	1/21	20	13 at 11:00		
Well on L	ine:	. 5	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
			÷		.	OBSERVI	ED SURFAC	E DATA			Duration of Shut	in 24 Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	t Temperature Temper		Wellhead	Sing Pressure Profit (Pc) psia	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							42	56.4	Pump		24		
Flow							:	4					
•						FLOW ST	REAM ATTR	RIBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Extension Fact		tor Temperature		riation actor = pv	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity .	
	.												
(P _c)² =		_:	(P _w) ² =	· :	(OPEN FL	OW) (DELIV	VERABILITY	<mark>/) CALCU</mark> L P _c - 14.4) +		:		² = 0.207 ² =	
(P _c) ² - (F or (P _c) ² - (F	-	(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo As	essure Curve ope = "n" - or ssigned dard Slope	n x	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				· · · · · · · · · · · · · · · · · · ·			-						
Open Flor	w		-	Mcfd @ 14.	65 psia		Deliverat			, .	Mcfd @ 14.65 ps	ia	
The (undersi	gned	authority, or	n behalf of the	Company, s	tates that	he is duly a	uthorized t	o make th	ne above repo	ort and that he ha	as knowledge of	
			•	id report is true	, ,		•			ecember	3	, 20 13	
			Witness (if	any)				Sh	my	For	Company	KCC WICH	
			For Comm	ission			-		•	Cha	cked by		
			i oi conim				•			Cne	oned by	DEC 13 20	

•	I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator_Linn Operating, Inc.
	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 records
	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 2930-B
	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 Commission
	staff as necessary to corroborate this claim for exemption from testing.
	Date: 12/2/13
	Signature: Man Hierren
	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.

DEC 13 2013