KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(See Instruc	ctions on Re	verse Side	<i>;)</i>					
	en Flow		•		Test Date	Test Date: API No. 15								
✓ Deliverabilty						12/04/13 15-075-20234-00-00								
Company Linn Operating Inc						Lease HCU							umber	
County Location Iamilton C NW SE			Section 4		TWP 23S		RNG (E/W) 41W		Acres Attributed 640					
Field Bradshaw					Reservoir Winfield			Gas Gathering Connection Oneok Field Services						
Completion Date 7/17/79				Plug Back 2569	Plug Back Total Depth 2569			Packer Se	et at					
asing Size Weight 5 9.5			Internal Diame 4.090		er Set at 2609'		Perforations 2535'		то 2541'					
ubing Size Weight 3/8 4.7				Internal Diameter 1.995		Set : 253				То				
					Type Fluid Production Gas - Water			Pump Unit or Traveling Plunger? Yes / No Yes						
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide			% Nitrogen Gas Gravity780				G _g		
Annulus /ertical Depth(H) !538'				Pressure Taps Flange							r Run) (F	Prover) Size		
	·Buildur	o: Shut in _	12/03	20	0 13 _{at} 1			Taken 12	2/04	20	13 _{at} 11:00		(AM) (PM)	
ell on L	,										at			
						OBSERV	ED SURFAC	E DATA			Duration of Shu	ut-in 24	Hours	
Static / ynamic roperty	Size	Orifice Circle one: Meter Size Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature	(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liqu	Liquid Produced (Barrels)	
Shut-In		7-19	,				gsig 31	45.4	Pump	psia	24			
Flow													-	
	·					FLOW ST	REAM ATT	RIBUTES			· · · · · · · · · · · · · · · · · · ·			
Plate Coefficeient (F _b) (F _p) Mcfd		Prover Pressure		Press Extension P _m x h	Gravity Factor F _g		Tomporaturo		viation Metered Flor actor R F _{pv} (Mcfd)		W GOI (Cubic I Barre	Feet/	Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELI	VERABILITY	() CALCUL	ATIONS					
_c) ² =		_: (P	w)2 =	<u> </u>	P _d =			P _c - 14.4) +		:		$(a_a)^2 = 0.3$ $(a_b)^2 = 0.3$	207	
(P _c) ² - (F or (P _c) ² - (F	_	(P _c) ² - (P _w) ²		ose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divide by: $P_c^2 - P_w^2$ by:		Sld		ssure Curve pe = "n" n x signed ard Slope		LOG	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				•				:						
pen Flo	w ·			Mcfd @ 14.0	65 neia	- 1	Deliveral				Mcfd @ 14.65 p	nsia		
<u> </u>		nned authori	ty on h	•		states that		•	o make the		ort and that he l		wledge of	
		_		report is true	, ,		•		day of De		ar and mar ne i		20 <u>13</u> .	
	.a.ou iii	:	a. Juid	. 550,1 10 1140		2,00016			Mari	nH-	eld II		C WICH	
		Witi	ness (if an	y)			-	· ·		For (Company		C 13 20	
		For	Commission	on						Che	cked by	UE	<u>, </u>	
					•		• •						RECEIVE	

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 0431 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
Signature:

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