KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(5	See Inst	tructions on	Revers	e Side))						
Open Flo	w .	i		Toot Dat-					A D1 1	No 1E					
✓ Deliverabilty				Test Date: API No. 15 12/04/13 15-075-20472-00-00											
ompany inn Operatin	g Inc					; Lease HCU					08	Well N 21 B	Number		
County Location . Hamilton SE				Section 8	TWP 22S			RNG (E/W) 41W		Acres Attributed 640		Attributed			
Field Bradshaw				Reservoir Winfield	•				Gas Gathering Connection Oneok.Field Services			* .			
Completion Date 10/27/90				Plug Back 2834'	Depth	h		Packer Set at							
asing Size Weight 5 9.5				Internal D 4.090		Set at 2897'		Perforations 2754'		To 28	10'				
ubing Size Weight				Internal D		Set at 2738'		Perforations		То	•				
Type Completion (Describe) Single Gas				Type Fluid						Pump Unit or Traveling Plunger? Yes / No Yes					
	(Annulus / Tub	ing)			arbon D	ioxide	e			% Nitrogen			Gas Gravity - G _o		
Vertical Depth(H) 2782'					S					(Meter Run) (Prover) Size 2.067"					
Pressure Buildu	ip: Shut in	2/03	20	13 at 1		ange M(AM)-(P	M) Tak	cen_12	/04	. 20	13 _{at} 11:		(AM) (PM)		
Nell on Line: Started 2		20			(AM) (P	(AM) (PM) Taken				at		_ (AM) (PM)			
				-	OBSER	RVED SURF	ACE D	ATA			Duration of S	Shut-in 2	4Hours		
Oynamic Siz	amic Size Meter Prover Pressu		ential Flowing Temperature		Well He Tempera	ture Wellh	Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liq	Liquid Produced (Barrels)		
Shut-In	psig (Pr	n) Inche	s H ₂ 0			psig 22		psia 6,4	psig Pump	psia	24				
Flow			7												
					FLOW 9	STREAM AT	TRIBU	TES				.,			
Plate Coefficcient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Exter	Press Extension P _m x h		ity or	-			ation ctor	Metered Flor R (Mcfd)	(Cub	GOR ic Feet/ arre!)	Flowing Fluid Gravity G _m		
					-										
				(OPEN FLO	OW) (DE	LIVERABIL	ITY) CA	ALCUL	ATIONS			$(P_a)^2 = 0$.207		
P _c) ² =	: (P _w);		:	P _d = _		%	· (P _c -	14.4) +	14.4 =	<u> </u>		(P _d) ² =			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) 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 2. p		1 1		"n" n x		og [Antilog	D	Open Flow Deliverability Equals R x Antilog (Mcfd)		
				,											
				<u> </u>											
Open Flow	•	Mcfd	@ 14.6	5 psia .		Delive	rability				Mcfd @ 14.6	5 psia			
	igned authority,										ort and that h	e has kno	•		
e facts stated t	herein, and that	said report	is true	and correct	. Execu	ited this the	5th	M	day of De	ecember — ##	-1111	, Kr	, 20 <u>13 </u>		
	Witnes	s (if any)								For	Company	MA	EC 13 20		
	For Co	mmission			_	_		-		Che	cked by	- DI	EC 13 21		
		•									·		RECEIVE		
							-						ハヒしトハバ		

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 0821 B gas well on the grounds that said well:
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: $\frac{12/5/13}{}$
Signature: Man Hriston 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