RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		(See In	structions on Re	verse Side))				
Open Flow		Toot: Data:			V D1 3	No. 15			
✓ Deliverabilty		Test Date: 12/04/13				No. 15 175-20420-0	0-00		
Company Linn Operating Inc	-		Lease HCU				2831-	Well Number ·	
County Location Hamilton NW		Section 28	TWP 23S		RNG (E/W) 41W		Acres Attributed 640		
Field Bradshaw		Reservoir Winfield				ering Conne			
Completion Date 09/29/89		Plug Back Total Depth 2425'			Packer Set at				
Casing Size Weight 4.5 9.5		Internal Diamete 4.090		Set at 2387'		Perforations 2404		то 2425	
Tubing Size Weight 2 3/8 4.7		Internal Diamete	Internal Diameter Set at 1.995 2372'		Perforations		То	То	
Type Completion (Describe) Single Gas			Type Fluid Production Gas - Water		Pump Unit or Traveling Plunger? Yes / No Yes				
Producing Thru (Annulus Annulus	/ Tubing)	% Carbon	Dioxide		% Nitroge	en	Gas Gi .810	ravity - G _g	
Vertical Depth(H)			Pressure Taps					Run) (Prover) Size	
2415		. Flange					2.067		
Pressure Buildup: Shut i	n_12/03	20 <u>13</u> at 11:00 /	AM (AM) (PM)	Taken 12	/04	20	13 at 11:00	AM (AM) (PM)	
Well on Line: Starte	d2	20 at	(AM) (PM)	Taken		20	at	(AM) (PM)	
		OBSI	ERVED SURFAC	E DATA			Duration of Shut	in <u>24</u> Hours	
Static / Orifice Dynamic Size Property (inches)	Meter Pressure Oifferential r Pressure g (Pm) Inches H ₂ 0	Flowing Well I Temperature Tempe	rature (P _w) or (P	Pressure	Wellhea (P _w) or	ubing d Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-in	9 (1.11)		130	psia 144.4	psig Pump	psia	24		
Flow									
		FLOW	STREAM ATTR	IBUTES		 	,		
Plate Circle or Coefficient Meter (F _b) (F _p) Prover Pre Mcfd psia	or Extension	Gravity Factor F	Flowing Temperature Factor F ₁₁	Devi Fac F	ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity	
		(OPEN FLOW) (D	L ELIVERABILITY) CALCUL	ATIONS		(P ₂)	² = 0.207	
(P _c) ² =:	(P _w) ² =:	P _d =	% (F	P _c - 14.4) +	14.4 =	<u> </u>		2 =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	Choose formula 1 or. 1. P _c ² - P _a 2. P _c ² - P _d divided by: P _c ² - P _d	LOG of formula 1. or 2. and divide P 2. p	. Ślop As	ssure Curve pe = "n" - or signed ard Slope	n x Le	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow	Mcfd @ 14	65 psia	Deliverab	aility			Mcfd @ 14.65 ps	ia	
The undersigned auth					make the				
ne facts stated therein, and	-		•		day of De		t and that He Ha	, 20 <u>13</u>	
		:	• .	Sh	aur	-H	were	Proc Mila	
	Witness (if any)			· · ·		For C	ompany	nuu wich	
, ,	For Commission	· · · · · · · · · · · · · · · · · · ·				Chec	ked by	DEC 13 20	

	under the laws of the state of Kansas that I am authorized to request 04 on behalf of the operator Linn Operating, Inc.
and that the foregoing pressure information correct to the best of my knowledge and of equipment installation and/or upon typ	ation and statements contained on this application form are true and belief based upon available production summaries and lease records see of completion or upon use being made of the gas well herein named. HCU 2831-B
gas well on the grounds that said well:	
(Check one)	
is a coalbed methane is cycled on plunger is a source of natural is on vacuum at the p	·
I further agree to supply to the best staff as necessary to corroborate this cl	of my ability any and all supporting documents deemed by Commission laim for exemption from testing.
Date: 12/5/13	
	Signature: Maun Hristura 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