KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: .			. (See Instruct	ions on Re	verse Side	e) .	v			
Ор	en Flow		• .	· · · · · · · · · · · · · · · · · · ·)				
√ De	liverabilty	· · · · · · · · · · · · · · · · · · ·	*	Test Date 12/04/13			<u>-</u> '		No. 15 0 75-1 0073-0	00-00		
Company Linn Ope	, erating Ind	C ;				Lease HCU				2811	Well Number	
County Location Hamilton NE SW		Section 28	e grand	TWP 21S		RNG (E/ 41W	W)		Acres Attributed 640			
Field Bradshaw			Reservoir Winfield			Gas Gathering Connection Oneok Field Services						
Completion Date 11/29/63			Plug Back Total Depth 2789				Packer Set at					
Casing Size Weight 4.5 9.5			Internal E 4.090	Internal Diameter Set at 4.090 2795			Perforations To 2766'					
Tubing Si 2 3/8	Tubing Size Weight 2 3/8 4.7			Internal E 1.995	Internal Diameter Set at 1.995 2775'				Perforations To			
Type Completion (Describe) Single Gas					Type Fluid Production Gas - Water				Pump Unit or Traveling Plunger? Yes / No Yes			
Producing Thru (Annulus / Tubing) Annulus				<u> </u>	% Carbon Dioxide				% Nitrogen Gas Gravity - G _g .776			
Vertical D					Press	ure Taps		•,			Run) (Prover) Size	
2765				-	Flanç	ge				2.067	70.	
Pressure		Shut in			, .		100			13 at 11:00		
Well on L	ine:	Started	. 20) at		(AM) (PM)	Taken		20	at	(AM) (PM)	
· 	,		,	, , , , , , , , , , , , , , , , , , ,	OBSERVE	D SURFAC	E DATA		•	Duration of Shut-	in 24 Hours	
Static / Dynamic Property	ic Size Meter Differential		Flowing Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_1) 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	,				, , , , , , , , , , , , , , , , , , , ,	28	42.4	Pump	psid	24		
Flow		<u> </u>										
	· 		.,		FLOW STR	EAM ATTR	IBUTES			-	·	
Plate Coeffieci (F _b) (F Mcfd	ient _p) <i>Pro</i>	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _g	or T	Flowing emperature Factor F _{tt}	1 /	iation ctor	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Crowity I	
								·	,			
		•	•		OW) (DELIVI				* .	(P _a)	² = 0.207	
(P _c) ² =	<u> </u>	(P _w) ² =	:	P _d =	9/	6 (F	² c - 14.4) +	14.4 =	<u>:</u> :	(P _d)	2 =	
(P _c) ² - (F or (P _c) ² - (F	į .	P _c)² - (P _w)²	noose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ rided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	- Slo	essure Curve pe = "n" - or signed lard Slope	n x l	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					•							
					1	<u> </u> -						
Open Flov	. ·		Mcfd @ 14.6	55 psia		Deliverab	oility		• • • • • • • • • • • • • • • • • • • •	Mcfd @ 14.65 psi	ia	
The u	undersigne	d authority, on	behalf of the	Company, s	tates that he	e is duly au				rt and that he ha	is knowledge of	
the facts st	tated there	in, and that said	I report is true	and correct	. Executed	this the _5	th	day of _D	ecember	•	, ₂₀ <u>13</u>	
			• • • • •	**			N	hai	m +	tren	LA TO	
	`	Witness (if a	ny)						For C	Company	CC WICH	
		For Commiss	ion	•	<u> </u>	·	**		Chec	cked by	DFC 13 2013	

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•	Ity of perjury under the laws of the state of Kansas that I am authorized to request K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
and that the foregoing procorrect to the best of my k of equipment installation a	essure information and statements contained on this application form are true and nowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. e-year exemption from open flow testing for the HCU 2811
(Check one) is a coal is cycle is a so is on verification of the coal I further agree to supplements	albed methane producer ed on plunger lift due to water urce of natural gas for injection into an oil reservoir undergoing ER acuum at the present time; KCC approval Docket No capable of producing at a daily rate in excess of 250 mcf/D ply to the best of my ability any and all supporting documents deemed by Commission oborate this claim for exemption from testing.
Date: 12/5/13	Signature: Man Hildura 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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