## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(	See Instruc	tions on Re	everse Side	e) .					
Ор	en Flow		÷	Toot Date	··			A D	I No. 15				
Deliverabilty			Test Date: 12/04/13				API No. 15 15-075-10033-00-00						
Company Linn Operating Inc					Lease HCU					Well Number 2711			
County Location Hamilton NE SW			Section 27		TWP 21S		RNG (E/W) 41W		Acres Attributed 640		ributed		
Field Bradshaw				Reservoir Winfield			Gas Gathering Conne Oneok Field Service						
Completion Date 7/1/63			Plug Bac	k Total Dep	th	Packer Set at							
Casing Size Weight 4.5 9.5		Internal Diameter 4.090"		Set at <b>2775'</b>		Perforations 2750'		то 2764'					
Tubing Size Weight 1.7			Internal [ 1.049"	Diameter	Set at 2769'		Perforations ·		То				
Type Completion (Describe) . Single Gas				Type Flui Gas - \	d Productio <b>Vater</b>	n	Pump Un Pump		Unit or Traveling Plunger? Ye Y		s / No es		
Producing Annulus		nnulus / Tubing	))	% C	arbon Diox	ide		% Nitrog	gen	Gas G .768	ravity - G <sub>g</sub>	,	
Vertical D	epth(H)					sure Taps				,	Run) (Pro	ver) Size	
2777'					Flange				2.067"				
		Snut in								13 at 11:00		M) (PM)	
Well on L	ine:	Started	2	0 at	·	(AM) (PM)	Taken		20	at	(A	M) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shut	-in_24	Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one:  Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	1 .	Liquid Produced (Barrels)	
Shut-In		poig (i iii)	1101103 1120			psig 40	psia 54.4	Pump	psia	24			
Flow													
				<u> </u>	FLOW ST	REAM ATTR	RIBUTES			I			
Plate Coeffiect (F <sub>b</sub> ) (F Mcfd	ient ") #	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact F <sub>c</sub>	tor	Flowing Temperature Factor F <sub>ft</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mofd)	w GOR (Cubic Fe Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
				(005) 51	0W) (DEL II)	(F6.4511171		4710110					
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =		<b>ERABILITY</b> (F	) CALCUL P <sub>o</sub> - 14.4) +		:	(P <sub>a</sub> )	$)^2 = 0.207$ $)^2 = $	· 	
$(P_c)^2 - (F_c)^2 - (F_c$	.	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> 1. or 2. and divide		Slo <sub>l</sub>	Backpressure Curve Slope = "n"or Assigned Standard Slope		og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
									• .				
Open Flor			Mcfd @ 14.	65 peig	•	Dollygrah	sility			Motel @ 44.65	<u> </u>		
•		and another the	,			Deliverab			, <u></u>	Mcfd @ 14.65 ps			
	•	ed authority, or ein, and that sa				_			ne above repo December	ort and that he ha		dge of	
							Sh	an	-H-	ldream		WICH	
		Witness (i	any)		. —	_			For C	Company	DEC	1 3 201	
		For Comm	ssion			·			Chec	cked by		CEIVE	
											(K)	ンニルト	

	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
•	egoing pressure information and statements contained on this application form are true and
	est of my knowledge and belief based upon available production summaries and lease records
	stallation and/or upon type of completion or upon use being made of the gas well herein named. Juest a one-year exemption from open flow testing for the HCU 2711
gas well on the	grounds that said well:
(Che	ck 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 ag	ee to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necess	ary to corroborate this claim for exemption from testing.
,	
Date: 12/5	5/13
	Signature: Man Hushur
	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 signed and dated on the front side as though it was a verified report of annual test results.