## Form G-2 (Rev 8/98)

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

(See Instructions on Reverse Side)

Type Test:				*										
	Open Flow Deliverability WHSIP		Test Date:		11/4/	11/4/11				API No.		584 ~	$\omega$	
Company		<del></del>					Lease						W	ell Number
LINN OPERATING, INC			<del></del>				HCU ·						2821-B	
County Location			Section 28			TWP		RNG (E/W)			Ac	res Attributed		
HAMILTON SE				22S			41W				·			
Field BRADSHAW .					D/TOWANDA)			Gas Gathering Connection Oneok Field Services						
Completion Date 6/20/96				Plu				Packer Set at						
Casing Size Weight			2864'			Set at			Perforations To					
4-1/2" 10.50			4.052"			2905'			2615'			2692'		
Tubing Size Weight			Internal Diameter			Set at			Perforations To					
2-3/8" 4.7				2650'										
Type Completion (Describe) SINGLE GAS				Тур				Pump Unit or Traveling Plunger? Yes / No PUMP YES			Yes / No YES			
Producing Thru (Annulus/Tubing) ANNULUS				%C	<del></del>			% Nitr				Gravity - G		
Vertical De				-		Pressure	Taps		·····		<del></del>	. (Me	eter R	un)(Prover) Size
										2.067"				
Pressure Buildup: Shut Ir		Shut In	11/3		20 <u>11</u> at <u>10:30</u>		_(AM) <del>(PM)</del>		Taken	11/4 20		<u>11</u> at <u>1</u>	0:30	(AM) <del>(PM)</del>
Well on line: Started			20 at		(AM)(P		/I)	Taken	20		at		(AM)(PM)	
OBSERVED SUR									DATA			Duration of S	Shut-Ir	1 24.00
Static/ Dynamic	Orifice Size	Mete Prover P	Circle one: Meter or Prover Pressure		Flowing Temperature		re (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Pressure 1) or (P <sub>C</sub> )	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>C</sub> )		Duration (Hours)		Liquid Produced (Barrels)
Property	Inches psig		ıg	Inches H <sub>2</sub> 0	t	t	psi		psia	psig psia		04.00		
Shut-In	n						- 4	4.0	58.4	pump		24.00		
Flow				<u> </u>	<u> </u>	FLOWET	DEAM A	TTDID	LITES			<u></u>		
	-		1	_	1	FLOW ST		TIKIB	UIES					
Plate Coefficie (F <sub>b</sub> )(Fp) Mcfd		Meter Pressure psia		Press. Gravity Factor Fg		Ten	lowing nperature Factor F <sub>ft</sub>			Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)	J	Flowing Fluid Gravity G <sub>m</sub>
									,					
					(OPEN FLC	OW) (DELI	IVERABII	LITY)	CALCULA	TIONS		(P.	)2 =	0.207
$(P_o)^2 = $ $P_d = $ %					_%	(P <sub>c</sub> -	14.4) +	+ 14.4 =		:		) <sup>2</sup> =		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		$\frac{P_c^2 - P_a^2}{P_c)^2 - (P_w)^2}$ LOG $\frac{(P_c)^2}{(P_c)^2}$		$(P_a)^2 - (P_a)^2$		ckpressure Curve		n x LOG $ \frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2} $		Antilog		Open Flow Deliverability Equals R x Antilog
												<u></u>		
Open Flow Mcfd @ 14.65 psia					Deliverability			Mcfd @ 14.65 psia						
		that said rer		ue and corre	mpany, states		s duly aut		d to make	the above		V(Oeal		ge of the facts
		VV	11) 6651 D	, any						•	For Comp	REC!		T)
		Fo	r Commi	ssion	· · · ·						Checked			

DEC 0 8 2011

KCC WICHITA

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 information and statements contained in 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 2821B										
gas well on the grounds that said well:										
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 incapable 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: 11/7/2011										
Signature: The House										
Title: Regulatory Specialist										
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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 obtain exempt status for the gas well.

At some point during the succeeding calendar year, wellhead shut-in pressure shall have been measued 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 from 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. it was a verified report of test results.