Form G-2 (Rev 8/98)

KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:															
	Open Flow Deliverability WHSIP			Test Date: 09/2			9/29/12) /12			API No. 15-0		15-075-2047	5-075-20472 - 00-00	
Company	LINN O	LINN OPERATING, INC.						Lease HCU						Well Number 0821-B	
County Location			Section			TWP				RNG (E/	W)	 	Acres Attributed		
HAMILTON SE				8			22S				4 1W	1			
Field Reserve										Gas Gathering Connection					
	ADSHA'	<u>W</u>					/INFIE	ELD					K FIELD SER	/ICES	
Completion				Plu	g Back Total	Depth					Packe	r Set at			
	27/90	141 7 44			2834'					-					
Casing Size Weight 4-1/2"		vveignt	9.50		rnal Diameter 4.090"		SE	Set at 2897'				Perforations	2754'	o 2810'	
Tubing Size Weight		Weight			ernal Diamete		r Set at		2031		Perforations				
			4.7	11110	5 1	2738'					renorations	10	J		
Type Comp		escribe)		Tvr	1.995 be Fluid Prod	uction					Pump	Unit or Trave	ling Plunger?	Yes / No	
Single Gas					Gas - Water						Pump Yes				
Producing Thru (Annulus/Tubing) %Carbon Dioxide										% Nitr		<u> </u>	as Gravity - G		
Anı	nulus													.777	
Vertical De 278						Pressi Fl	ure Ta lange						(Mete	r Run) (Prover) Size 2.067"	
Pressure Buildup: Shut In 09/28				09/28	20 <u>12</u> at <u>10:00</u>			(AM) (PM) Taken			09/2	9 20	12_at10:0	0(AM) (PM)	
• • • • • • • • • • • • • • • • • • • •		Started					(AM)(PN			Taken			at		
															
		Circle or	10°	Pressure	1	UBSE T	KVEL	JOURE	Casing lihead Pressure			Fubing	Duration of Shu	it-In 24.00	
Static/	Orifice			Differential	Flowing	Well	Head	Well				ad Pressure	Duration	Liquid Produced	
Dynamic	Size	Prover Pre		in (h)	, ,	Temper	rature	-	or (P) or (P _c)	 -	(P ₁) or (P _C)	(Hours)	(Barrels)	
Property	Property Inches			Inches H ₂ 0	t	t		psig		psia	psig	psia			
Shut-In					i			45	5	59.4	Pump		24.00		
Flow															
L	<u> </u>				1	I FI OW	STRE	AM AT	TRIBI	ITES	I		<u>.</u>		
Plate		Meter	T	Press.	Gravity		Flow								
Coefficient (F _b)(Fp) Mcfd		Pressure	Extension		Factor	-	Temper	rature	Deviation	Metered Flow		GOR	Flowing		
		psia		P _m x H _w	F _g		Fact F			Factor F _{pv}	R (Mcfd)		(Cubic Feet/ Barrel)	Fluid Gravity	
			41 m × 1 w			'		"		' pv	(Micia)		Ballelj	G _m	
					(OPEN FLO	OW) (WC	ELIVE	RABIL	TY) (CALCULA	TIONS				
													$(P_a)^2$	= 0.207	
(P _c)²=		(P _w) ² =		: P _d =	:	%		(P _c - 14	4.4) +	14.4 =		:	$(P_d)^2$	=	
$(P_c)^2 - (P_a)^2$ (P		(P _c) ² - (P _w) ²		P _c ² - P _a ² (P		c) ² -(Pa) ² Ba		Backnio	kpressure Curve			[(0,)2 (0,)2]		Open Flow	
					LOG -	c) -(Fa)	.	Dackpressure		Carve	n x LOG	$\frac{(P_c)^2 - (P_a)^2}{}$	Antilog	Deliverability	
			(P		$(P_w)^2 - (P_w)^2$ (F			Slope = "n"		1"	(P _c) ² -(P _w)			Equals R x Antilog	
					L							L 1			
			+												
	\dashv		 				-					···-			
<u> </u>							ł							<u>-</u>	
Open Flow Mcfd @ 14.65 psia						De	Deliverability Mcfd @ 14.65 psia								
		ed authority, o						uly auth 4th		d to make	_	report and the		ledge of the facts	
sunda tildi		1000	., , v u	una vont					`	~~~ <	1	101	$\frac{1}{1}$ ΛL	<u> </u>	
		\K/6	ness (if	f any)	<u> </u>		_	_		($\Delta V \mathcal{K}$	For Comp.		EMEN/ED	
		-410	(11	,,								For Comp.		RECEIVED	
		For	Commi	ission			_	_				Checked	by D	EC 07 2012	

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 0821-B											
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.										
X	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:	12/4/2012										
	$\sum (a_1, a_2, A_1, A_2)$										
	Signature: Study When										
Title: Administrative Assistant II											

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.