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:						[06	e msuu	Guoris	s un ne	CVCISC	, Side)							
Open Flow						Test Date: 11/4/11									45.055.04		(0(0(0)	
X	Deli	verabi	lity WHSI	Р				APIN	0.	15-075-20)483							
Company								Le	ease							V	ell Number	
LINN OPERATING, INC.					C					HCU					2230-B			
County Location						00	TWP 23S			•	RNG (E/W)				A	cres Attributed		
HAMILTON SE					•		23S 40W											
BRADSHAW					Reservoir Winfield							Gas Gathering Connection Oneok Field Services						
Completion Date 11/29/90					Plug Back Total Depth 2588'							Packe	er Set at	t				
Casing Siz	:e		Weight		Inte	Internal Diameter			et at			Perforations			То			
4-1				9.50		4.090"		2647'			···	,			2447' 2456'			
Tubing Size Weigh				47	Inte	ernal Diameter			Set at				Perfor	ations		То		
2-3/8" 4.7 Type Completion (Describe)					Tur	1.995 be Fluid Prod	2573	<u></u>	Dumm	Unitar	Trava	line Dhanna		Voc./No				
Single Gas					1.41		Pump Unit or Traveling Plunger? Yes / No Pump Yes											
Producing Thru (Annulus/Tubing)				%C	Gas - Water %Carbon Dioxide							% Nitrogen				Gravity - G.		
Annulus										0.794								
Vertical Depth (H) 2415'							re Ta ange				(M	eter R	un)(Prover) Size 2.067"					
Pressure Buildup:			Shut in		11/3	_ 20 <u>11</u> at			<u></u>		Taken	11/4 20		20	at6:00			
Well on line:			Started			at					Taken				at		-	
							OBSER								Duration of	-		
			Circle on	e:	Pressure	<u> </u>	1		T	Cas		T	Fubing		Duration of	Onater	24.00	
Static/		ifice	Meter of Prover Pres		Differential	Flowing	Well H		ad Wellhead Pressure		· Wellhead Pressure		Duration		Liquid Produced			
Dynamic Size Property Inches			psig	ssure	in (h) Inches H₂0	Temperature t	Tempera t	ature	re (P _w) or (P ₁) or (P _C) psig psia			(P _W) or (P ₁) or (P _C) psig psia			(Hours)		(Barrels)	
Shut-In	nut-In								34.0 48.4		Pump			24.00				
Flow	low								 									
			L		<u> </u>		LOW S	TRF	Ι ΤΑ ΜΑ	TRIB	UTES	1	J		-			
Plate	Т		Meter	T	Press.	Gravity		Flow						Т				
			Pressure		Extension	Factor	T	emper	nperature Factor		Deviation	Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity		
			psia	√P _m × H _w		Fg		Fact · F _f			Factor F _{pv}							
										- BY		(mons)					G _m	
				<u> </u>														
						(OPEN FLC	OW) (DE	LIVE	RABIL	LITY) (CALCULA	TIONS			(D	۰.2	0.207	
(P _c) ² =		/ D	w) ² =		: P _d =		%		(P ₋ 1	144) 4	. 14 4 =					,) ² =	0.207	
				T		Г	· <u>-</u>		$(P_c - 14.4) + 14.4 =$:_		(P,	,) ²		
(P _c) ² - (P _a	a) ²	(P) ² - (P _w) ²	l _	P _c ² - P _a ²	LOG (P	c) ² -(P _a) ²		Backpressure Curve		n x LOG (P _o)		(P _a) ²	Antilog		Open Flow Deliverability		
				(F	$(P_{c})^{2} - (P_{w})^{2}$	(P.	c) ² -(P _w) ²		Slope = "n"		(P _s) ²		(P _w) ²	Antilog		Equals R x Antilog		
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		-		<u> </u>				+				 				-		
				<u> </u>				+				1				+		
Open Flow Mcfd @			 @ 14.65 ps	De	Deliverability			Mcfd @ 14.65 psi				ia						
•																		
															at he has kr		ge of the facts	
stated there	em, a	nu tna	ıı said repol	it is th	ue and corre	ct. Executed	i inis the	•	7t	in /	to_vsb_	7 (1)	vembe	ή\ -		20	111	
Witness (if any) Witness (if any)																		
								_	_					•	Í	REC	EIVED	
			For C	Commis	SSION								Ch	ecked t	y ⊓	EC	11 5 2011	

1.1												
	lare 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												
	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.											
	eby request a one-year exemption from open flow testing for the HCU 2230-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 incapable of producing at a daily rate in excess of 250 mcf/D											
	to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.											
Date:	11/7/2011											
	Signature: Remove Signature:											
	Title: Regulatory Specialist											

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.