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/		1/8/11	/11		API No.		15-075-10082		<i>COOO</i> -			
Company	LINN O	PERATING	, INC				Le	ase	Н	cu	****	- 12.		, V	/ell Number 3431	
County Location S				Section			TWP		RNG (E/W)		Acres Attributed					
HAMILTON , ME NW			NW	34				238			41W					
Field BRADSHAW					Reservoir				FIELD			Gas Gathering Connection ONEOK FIELD SERVICES				
Completion Date			Plu	Plug Back Total Depth				TILLO			Packer Set at					
12	/5/63				2417'											
Casing Size Weight			Internal Diameter				Se	Set at					To			
4-1/2"		9.50		4.090"			2417'		···			2388'		2396'		
Tubing Size Weight 1.660" 1			Internal Diameter 1.7 1.286"					Set at 2401'			Perforations To					
Type Completion (Describe)			Tvr	Type Fluid Production				2401			Pump Unit or Traveling Plunger? Yes / No					
Single Gas				Gas - Water								Pump Unit or Traveling Plunger? Pump			Yes	
Producing	Thru (An	nulus/Tubing))	%C	arbon Dioxid	e					% Nitr	ogen	•	Gas	Gravity - G.	
	nulus														0.75	
Vertical De							ure Ta lange						(M	eter F	Run)(Prover) Size 2.067"	
Pressure Buildup: Shut In			11/7	. 20 <u>.11</u> at <u>8:00</u>)(A	_(AM) (PM)		Taken	11/8	11/8 20		3:15	_ (AM) (PM)		
Well on line: Started		Started			at		(A			Taken		20	at		_ (AM)(PM)	
	•						ERVED			DATA			Duration of		· · · · · · · · · · · · · · · · · · ·	
	1	Circle or Orifice Meter of Size Prover Pre		Pressure				ad Wellhe		ing	Tubing				T	
Static/ Dynamic	1			Differential in (h)	Flowing Temperature		l Head erature			Pressure 1) or (Pc)		ad Pressure (P ₁) or (P _C)	Duration (Hours)		Liquid Produced (Barrels)	
Property Inches psig		Inches H ₂ 0		t t				•	psia	psig	psia	(1,00,10)		(444444)		
Shut-In							_		54.0 68.4		Pump		24.00			
Flow																
						FLOW	STRE	AM A1	TTRIB	UTES	•					
Plate Coefficie		Meter Pressure														
(F _b)(Fp)		psia		extension	Factor F ₀	ļ		actor		Factor	Metered Flow R		(Cubic Feet/		Flowing Fluid	
Mcfd				P _m x H _w			Fπ		F _{ov}		(Mcfd)		Barrel)		Gravity	
		 												G _m		
L			<u> </u>		(OPEN FLO) (W	ELIVE	RABIL	LITY) (CALCULA	TIONS				<u> </u>	
									•				(P,	,) ² =	0.207	
(P _o)²=		(P _w) ² =		: P _d =		%		(P _c - 1	14.4) +	14.4 =		<u> </u>	(P,) ² =		
(P _e) ² - (P _e	J ²	(P _c) ² - (P _w) ²		P _c ² - P _a ²	LOG (P ₀) ² -(P ₁) ²		2	Backpressure Curv		Curve	$n \times LOG \left[\frac{(P_c)^2 - (P_a)^2}{(P_a)^2 - (P_a)^2} \right]$				Open Flow	
	*						<u>-</u>						Antilog		Deliverability	
			($(P_c)^2 - (P_w)^2$	(P	c)*-(P _w)) [*]	Sid	ope = "r	n"		$(P_c)^2 - (P_w)^2$			Equals R x Antilog	
								-								
Open Flow Mcfd @ 14.65 psia						De	Deliverability Mcfd @ 14.65 psia									
The u	ndersiane	d authority. o	n beh	alf of the Co	mpany, state	s that	he is di	uly aut	horize	d to make	the above	report and ti	hat he has ki	nowle	dge of the facts	
		hat said repo						9th		day of		vember C			011	
									1	ζ –	1	+2.1) 01	/	_	
		Witi	ness (il	any)			_	_		 -	1	For Comp	Warner C	X	ENTER	
		Fore	Commi	ission			_	_				Checked	hv		EIVED	
		101	- Grinill									CHECKED	" DI	EC	0 8 2011	

KCC WICHITA

I dec	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 for	egoing information and statements contained in this application form are true and										
correct to the b	est of my knowledge and belief based upon available production summaries and lease records										
of equipment in	stallation and/or upon type of completion or upon use being made of the gas well herein named.										
I here	eby request a one-yeart exemption from open flow testing for the HCU 3431										
gas well on the	grounds that said well:										
	(Check one)										
П	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:	11/9/2011										
	Signature: L. R. Handaren										
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.