Form G-2 (Rev 8/98)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test	t:					, , ,	0 ///01/40				5,007						
	Open l	Flow			Test Date: 09/26				\$/12				API No.	15-075-20411 60<i>00</i>			
X	Delive	rabilit	y WHSI	P					N 12			API NO.					
Company	ī							Lea	ise						V	Vell Number	
	LINN	OPE	RATING	, INC						HCU					1631-B		
County Location								TWP				RNG (E/W) 41W		Acres Attribute		cres Attributed	
HAMILTON				NW 16				23\$									
Field BRADSHAW				Reservoir WIN				NFIEI					Gas Gathering Connection ONEOK FIELD SERVICES				
Completion Date				Plug Back Total Depth									r Set at				
	30/88					4364'									_		
Casing Size Weight			Veight	Internal Dian			er	at	44221		Perforations						
4-1/2" Tubing Size Weight			Mojerha	9.50 4.090" Internal Diamete				C-4		4422'		Porforation		2486'		2499'	
2-3/8"				4.7 1.995					Set at 2539'			Perforations To					
Type Com		(Desc	cribe)	Type Fluid Production							•	Pump Unit or Traveling Plunger? Yes / No					
	ngle Ga			Gas - Water								Pump			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Yes	
Producing	Thru (A	nnul	.s/Tubing)	+	%C					% Nitr		Gas Gravity - G _a					
	nnulus															0.78	
Vertical Depth (H) 2492'						e Tap: nge	S					(Meter Run) (Prover) Size 2.067"					
Pressure	Pressure Buildup: Shut In				9/25	20 <u>12</u> at	1:30	_(AM	4)(PM)	PM) Takei		09/2	<u>620</u>	<u>12</u> at	1:30	(AM) (PM)	
Well on line: Started					· · · · · · <u>-</u>	20at		_(AM	i)(PM)	7	Taken		20	at		(AM)(PM)	
				-			OBSER	VED :	SURFAC	ΕD	ATA			Duration	of Shut-	ln 24.0	
			Circle on		Pressure			Ī		Casing			'ubing	T			
Static/ Dynamic		Orifice <i>Meter</i> Size <i>Prover Pre</i>			Differential in (h)	Flowing Temperature	Well He			elihead Pressure w) or (P ₁) or (P _C)		Wellhead Pressure (P _w) or (P ₁) or (P _c)		1	ation	Liquid Produced (Barrels)	
Property Inches		- 1			Inches H ₂ 0	t	t	- I	psig	psia		psig psia		(Hours)		(Dartels)	
Shut-In						i			70.0	7	84.4	Pump	- · · · · · · · · · · · · · · · · · · ·	2	4.0	 	
Flow		\neg								\top		<u> </u>	·-	†			
						<u>l. </u>	FLOW S	TREA	M ATTR	IRIT	TES	<u> </u>				Ļ	
Plate	. T	N	lotor	1	Press.	Gravity		Flowing			120			τ –		1	
Coefficie	ent	Meter Pressure psia		Extension P _m x H _w		Factor		mpera	ture	Deviation Factor F _{ov}		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing	
(F _b)(Fp Mcfd						F _a	ŀ	Factor F _{ft}	г							Fluid Gravity	
	·				· m···w			- 1								G _m	
			-				!								,		
				•		(OPEN FLC	W) (DEL	IVER	RABILITY	') C/	ALCULA	TIONS		<u> </u>			
															$(P_a)^2 =$	0.207	
(P _c)²≔	 -	(P _w)* =		P _d =	: 	.%	, (P _c - 14.4) +	14.4 =	=	<u>_:</u>		(P _d) ² =		
(P _c) ² - (P	,) ²	$(P_c)^2 - (P_w)^2$			P _c ² - P _e ²	[(P.	_c)²-(P _a)²]	В	Backpressure Curve		urve	$n \times LOG = \frac{(P_c)^2 \cdot (P_a)^2}{(P_c)^2 \cdot (P_a)^2}$		Antilog		Open Flow	
				(P _c) ² - (P _v) ²		LOG —	_c) ² -(P _w) ²		Slope	lono = "n"					Deliverability		
				(P _c) ⁻ - (P _w) ⁻		[[[0) -(Fw) _		Slope = "			(P _o) ² -(P _w) ²				Equals R x Antilog	
								ļ					· · ·	<u> </u>			
								1_				<u> </u>				·	
														<u> </u>			
Open Flov	N		Mcfd @ 14.65 psia					Deli	Deliverability			Mcfd @ 14.65 psia					
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts											dge of the facts						
stated therein, and that said report is true and correct. Executed this the 19th day of												December 2012					
												SA	acer	KIK	 \		
	Witness (if any)											<u>.ب</u>	For Com	aly ****	<u>~~(</u>	RECENT	
			Eor ('Omm'	ecion								Charles	bu		RECEIVED	
For Commission										Checked by DEC 2 8 2012							

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 1631-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: 12/19/2012											
	;										
DAKOLOM LALA	į										
Signature:											
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. it was a verified report of test results.