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

Type Test				•		. (	See Ins	structi	ions on Re	verse Sid	le)					
/   Dolivershilty					Test Date 11/21/13			٠			PI No. 5-075-	15 -20445-0	00-00			
Company Linn Ope		g Ind	· ;						Lease HCU					2130	Well N B	umber
•					Section 21			TWP 23S		RNG (I	RNG (E/W) 40W			Acres Attributed 640		
Field Reset					Reservoir Winfield							ng Conn d Servic				
•					Plug Bac 2593'	Plug Back Total Depth 2593'				Packer	Packer Set at					
				Internal [ 4.090"	Internal Diameter 4.090"			Set at 2635'		oratio 88'	ns .	то <b>2592'</b>				
Tubing Si 2 3/8"	3					Internal Diameter 1.995			Set at 2513'		oratio	ns	To .			
Type Completion (Describe) Typ						Type Fluid Production Gas - Water				Pump Unit or Traveling Plunger? Yes / No Pump Yes						
Producing	-	(Anı	nulus / Tubir	g)		% C	arbon I	Dioxic	de		% Nitro	gen		Gas G	ravity -	G <sub>g</sub>
									sure Taps	•					, ,	Prover) Size
	Buildu	.p:	Shut in 11	/20	2	0_13_at_1				Taken_1	1/21		20	13 at 11:00		(AM) (PM)
Well on L														at		
							OBSE	RVE	D SURFAC	E DATA		•		Duration of Shu	t-in_24	Hours
Static / Dynamic Property	Orifice Size (inches)		Meter Prover Press	Circle one: Meter Prover Pressure psig (Pm)		Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		(P <sub>w</sub> )	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia				uid Produced (Barrels)
Shut-In			-						5	19.4	Pum		,	24		,
Flow					•		•									
			Circle one:	1	<u> </u>	<del></del>	FLOW	STRI	EAM ATTR	IBUTES		Т	•			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia			Press Extension P <sub>m</sub> x h	Fac	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>11</sub>		Deviation Factor F <sub>pv</sub>		etered Flov R (Mcfd)	v GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>
	İ			<u> </u>	•	(ODEN EL			-							
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	=		(OPEN FL		=LIVE %		) CALCU			:		) <sup>2</sup> = 0.2	207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		;	ose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p 2 p 2		1		= "n" r ned			Antilog Del		Open Flow eliverability is R x Antilog (Mcfd)
<del></del>								•								
Open Flov			l		Mcfd @ 14.	65 psia			Deliverab	pility	· J.		·	Mcfd @ 14.65 ps	sia	
														rt and that he h		· -
he facts st	tated t	herei	n, and that s	aid	report is true	and correc	t. Exec	uted t	this the 2	nd . 11	day of _	Dece	mber		,	20 13
			Witness	(if any	<i>(</i> )					XY	WUVL		For C	Company	KC	C WIC
			For Comr	nissic	nn .				-				Chec	ked by	וח	EC 13 2
									•		•				וט	_0 13 2

I declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
and that the fore	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the HCU 2130-B
	rounds that said well:
(Check	cone)
	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.
$\checkmark$	is not capable of producing at a daily rate in excess of 250 mcf/D
	e to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as necessar	y to corroborate this claim for exemption from testing.
	. 17
Date: /2/	2/13
	Signature: Man Hierren
	Title: _Regulatory Compliance Advisor

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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured 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 for 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.

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