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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instruct	ions on Re	verse Side)			
Open Flow				Test Date				ΔDI	No. 15		
✓ Deliverability				11/21/13			API No. 15 15-075-20 0			00-00	
Company Linn Ope		С				Lease HCU				1620	Well Number
County Location Hamilton SE SE			on	Section 16		TWP 22S		RNG (E/W) 40W		Acres Attributed 640	
Field Bradshaw				Reservoir Winfield		Gas Gatherin Oneok Field		. •			
Completion Date 02/28/78			Plug Bac 2765'	k Total Dept	h	Packer Set at		et at			
Casing Size Weight 1.5 10.5		t	Internal Diameter 4.090		Set at 2768'		Perforations 2697'		то 2718'		
Tubing Size Weight		t	Internal Diameter		Set at		Perforations		. To		
2 3/8				1.995		2729'			B		
Type Completion (Describe) Single Gas				Type Fluid Production Gas - Water			Pump Unit or Traveling P Pump			Yes	
Producing Thru (Annulus / Tubing) Annulus			g)	% Carbon Dioxide				% Nitrogen			
Vertical Depth(H)			•	Pressure Taps				(Meter Run) (Prover) Si			, , , ,
2708' Flange Pressure Buildup: Shut in 11/20 20 13 at 11:00 AM (AM) (PM) Taken 11/21							2.067				
Pressure	Buildup:	Shut in	2	0 13 at 1	1.00 AW	(AM) (PM)	Taken	1/2	20	13 at 11:00	(AM) (PM)
Well on Li	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
			· · · · · · · · · · · · · · · · · · ·		OBSERVE	D SURFAC	E DATA	·		Duration of Shut	-in_24Hours
Static /	Orifice	Circle one: Meter	Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced
Dynamic Property	Size (inches)	Prover Pressu	<i>ire</i> in	Temperature t	Temperature t	(P. _w) or (F	P ₁) or (P _c)	(P _w) or	(P _t) or (P _c)	(Hours)	(Barrels)
Shut-In		psig (Pm)	Inches H ₂ 0			psig 47	61.4	psig psia Pump		24	
Flow					,						
l				L	FLOW STR	EAM ATTR	RIBUTES	l	<u> </u>		
Plate Coeffieci (F _b) (F Mcfd	ient _p) <i>Pr</i>	Circle one: Meter or Prover Pressure psia Press Extension ✓ P _m x h		Gravity		Temperature Fac		ation Metered Flor ctor R (Mcfd)		w GOR (Cubic Fe Barrel)	Gravity
· · · · · · · · · · · · · · · · · · ·		·									
				(OPEN FL	OW) (DEĹIV	ERABILITY	() CALCUL	ATIONS		(P _a)	$r^2 = 0.207$
(P _c) ² =	:	(P _w) ² =		P _d =	9	% (I	P _c - 14.4) +	14.4 =	:	(P _d)	2 =
(P _c) ² - (F or (P _c) ² - (F		P _c) ² - (P _w) ²	1. P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo	essure Curve ppe = "n" - or ssigned	n x L	og	Antilog	Open Flow Deliverability Equals R x Antilog
	-		divided by: Pc - Pw	by:		Stand	dard Slope				(Mcfd)
						1					
·	•				1						
Open Flov	W		Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia
				•				o make the		ort and that he ha	
ne tacts st	tated there	ein, and that sa	aid report is true	and correc	t. Executed	this the	. A A	day of	//		, 20
							XX	Van.	- H	reare	KCC WI
		Witness (if	f any)						. For	Company	KCC AAII
		For Comm	ission	-		-	,		. Che	cked by	DEC 13

I declare und	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request
!	der Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
•	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 1620
ľ	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.
✓	is not capable of producing at a daily rate in excess of 250 mcf/D
1	
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
Date: $\frac{12/3}{2}$	4/3
	10. 14.
	Signature: Man Huneta
	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.

KCC WICHITA

DEC 13 2013

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