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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

. 3

Type Test	t:		•			, (See Instr	ructi	ons on Re	everse S	ide)	. •					
Op	en Flo	w .	•				-						v				
✓ Deliverabilty				Test Date: 11/21/13						API No. 15 15-075-20443-00-00							
Company Linn Ope		J Inc	:						Lease HCU	,					3220-	Well Nu B	ımber
County Location Hamilton SE				Section 32	· · · · · · · · · · · · · · · · · · ·				RNG (E/W) 40W			Acres Attributed 640					
Field Bradshaw					Reservoir Winfield						Gas Gathering Connection Oneok Field Services						
Completion Date 7/24/90					Plug Bac 2699	Plug Back Total Depth 2699					Packer Set at						
Casing Size Weight 4.5 9.5				Internal Diameter 4.090			Set at 2745'			Perforations 2590'			то 2608'				
Tubing Size Weight 2 3/8 4.7				Internal Diameter 1.995			Set at 2559'			Perforations			То				
Type Completion (Describe) Single Gas				Type Fluid Production Gas - Water					Pump Unit or Traveling Plunger? Yes / No								
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide					Nitroge	ù		Gas Gravity - G _g				
Annulus Vertical Depth(H) 2599						Pressure Taps Flange							(Meter Run) (Prover) Size 2.068				
	Buildu	n: :	Shut in 11	/20	2	0 13 _{at} 1				Taken	11/2	21	20	13			(AM) (PM)
Well on L					20									•			
						· · · · · · · · · · · · · · · · · · ·	OBSER	VE	SURFAC	E DATA		,		Duratio	on of Shut	.in 24	Hours
Static / Dynamic Property	c Size Meter Differen		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		ad	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		,	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)			
Shut-In			poig (i iii	, .	mones H ₂ 0				psig 65	79.4	F	^{psig} ⊃ump	psia	24			
Flow														•			
				•			FLOW S	TRE	EAM ATTR	RIBUTES	 }						
Plate Coeffiecient (F _b) (F _p) Mcfd			Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _g		Te	Temperature Factor		Deviation Factor F _{pv}	actor :R		w GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G _m
								•			<u> </u>						
(P _c) ² =		_:	(P _w) ² :	=	·	(OPEN FLO	OW) (DEL	IVE. %		') CALC P _c - 14.4			:			² = 0.2	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ²		LOG of formula 1, or 2.		Backpressure Curve Slope = "n"			rve	, , , ,		Antilog		Open Flow Deliverability Equals R x Antilog	
				divia	led by: $P_c^2 - P_w^2$	by:	P _c ² -P _w ²		Stand	lard Slope	•			-			(Mcfd)
											,,				· · · · · · · · · · · · · · · · · · ·		
Open Flow Mcfd @ 14.65 psia						•	. Deliverability					Mcfd @ 14.65 psia					
The u	undersi	gned	authority, o	on b	ehalf of the	Company, s	tates tha	t he	is duly a	uthorized				rt and t	hat he ha	ıs know	ledge of
ne facts st	tated th	nereir	n, and that s	aid	report is true	and correc	t. Execut	ed t	his the 2	nd 🧎	day	y of _De	cember				20 13
			Witness	(if any	<i>'</i>)					SN	W	m	Ford	Company	ta	KC	? W/ICH
					,			. :	_				·				~ * * 1 ~ !
	•		For Com	missio ·	n								Chec	ked by		DE	C 13 20

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 pressure information and statements contained on 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 theHCU 3220-B gas well on the grounds that said well: (Check one) is a coalbed methane producer 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		
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Signature: Man Human	is not capable of producing at a da	ily rate in excess of 250 mcf/D
Signature: Man Human		
Date: 12/2/13 Signature: Man Human		
Signature.	staff as necessary to corroborate this claim for exemp	tion from testing.
Signature.	101-1	
Signature.	Date: 12/3	
Signature.		
Signature.	·	
Signature.		
Title: Regulatory Compliance Advisor	Signature:	Shaw Hearen
	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. Signed and dated on the front side as though it was a verified report of annual test results.

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