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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test	: en Flo	w .			. ((See Instruc	tions on Re	verse Side	?)					
✓ Deliverabilty			Test Date: 12/04/13				API No. 15 15-075-20725-00-00							
Company Linn Ope		g Inc	· · · · · · · · · · · · · · · · · · ·				Lease HCU				3431	Well N -B	umber	
County Location Hamilton NW SE SE			Section 34				RNG (E/	RNG (E/W) 41W		Acres Attributed 640				
Field Bradshaw			Reservoi Chase	r		Gas Gathering Conne Oneok Field Service								
Completic 9/21/00	on Dat	е			Plug Bac 2569'	k Total Dept	th		Packer S	Set at				
Casing Si 4.5	ng Size Weight 10.5		Internal Diameter 4.052		Set at 2602'		Perforations 2374'		то 2392'					
Tubing Si 2 3/8			t	Internal Diameter 1.995		Set at 2433'		Perforations		То				
Type Completion (Describe) Single Gas			Type Fluid Production Gas - Water				Pump Ur Pump		er? Yes / No Yes					
Producing Thru (Annulus / Tubing) Annulus			% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g .839				
Vertical D 2729'	epth(F	1)				Pres Flan	sure Taps ge				(Mete 2.06		Prover) Size	
Pressure	Buildu	p:	Shut in	03 2	0_13_at_1	1:00 AM	(AM) (PM)	Taken 12	2/04	20	13 at 11:00) AM	(AM) (PM)	
Well on L	ine:	,	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
					:	OBSERVE	D SURFAC	E DATA			Duration of Shu	_{ut-in} 24	Hour	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H _o 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		i '		id Produced (Barrels)	
Shut-In				2			29	43.4	Pump psia		24			
Flow														
	.,				T	FLOW STR	REAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁	Fa	Deviation Meter Factor F _{pv} (M		v GO (Cubic Barre	Feet/	Flowing Fluid Gravity . G _m	
	·													
(P _c) ² =		:	(P _w) ² =	· -	(OPEN FL	ÓW) (DELIV		') CALCUL P _c - 14.4) +		:		$a_{\rm a})^2 = 0.3$		
(P _c) ² - (P _a) ² or (P _c) ² - (P _a) 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 Curv Slope = "n" or Assigned		n x l OG		Antilog	De	Open Flow Deliverability Equals R x Antilog	
	۵,		·	divided by: Pc - Pw	by:	P _c ² - P _w ²		lard Slope					(Mcfd)	
Open Flow Mcfd @ 14.6			55 psia		Deliverability		Mcfd @		Mcfd @ 14.65 p	14.65 psia				
											rt and that he l			
ne facts st	tated th	herei	n, and that sa	id report is true	and correc	t. Executed	this the 5	tn	day of _D	ecember		,	20 13	
								M	hus	-#h	Wrth			
			Witness (if	fany)					•	For C	Company	(CC	WICH	
			For Comm	ission		··· -				Chec	cked by	DEC	13 20	

		•	
		•	
I declare under penalty of perjury			•
exempt status under Rule K.A.R. 82-3			
and that the foregoing pressure infor	•		
correct to the best of my knowledge a	d belief based upon avail	able production sur	mmaries and lease records
of equipment installation and/or upon	•	-	•
I hereby request a one-year exem	otion from open flow testin	g for the HCU 343	31-B
gas well on the grounds that said well			
(Check one)			
is a coalbed metha	ne producer		
is cycled on plung	r lift due to water		
is a source of natu	al gas for injection into an	oil reservoir under	going ER
is on vacuum at the	present time; KCC appro	val Docket No	
✓ is not capable of p	oducing at a daily rate in	excess of 250 mcf/	D
		4.	
I further agree to supply to the be	st of my ability any and all	supporting docum	ents deemed by Commission
staff as necessary to corroborate this	claim for exemption from	testing.	
Date: 12/5/13			
Date. 1997 D	•		
	•	•	
	•		
		,	
	Signature: MA	in this	Other
		7 7 507	
	Title: Regulato	ry Compliance Adv	/isor
			• .

Instructions:

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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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