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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flo iverab		•			Test Date 11/21/13	: :	ctions on Re	verse Side	API i	No. 15 75-10080-0	00-00	٠			
Company Linn Ope		g Inc				17/21/10		Lease HCU		100	, 0 , 10000	70 00	3321	Well Nur	nber	
County Location Hamilton NW NW SE SE					Section 33		TWP 22S			RNG (E/W) 41W			Acres Attributed 640			
Field Bradshaw				Reservoir Winfield			Gas Gathering Conn Oneok Field Servic				,					
Completic 12/10/60		e				Plug Back 2602	k Total De	oth		Packer Se	et at '					
Casing Si 4.5	Casing Size Weight .5 9.5			nt		Internal Diameter 4.090		Set at		Perforations 2586'			то 2596'			
Tubing Si. 2 3/8	Size Weight 4.7		nt	Intern 1.99		Diameter		Set at 2600'		Perforations		То				
	ype Completion (Describe) ingle Gas				Type Fluid Gas - \	d Production Vater	on	Pump Pum		p Unit or Traveling Plunger mp			r? Yes / No			
Producing Annulus		(Anr	nulus / Tubin	g)		% C	arbon Dio	xide ,	*	% Nitroge	n .		Gas Gr	avity - G	9	
Vertical D 2602	ertical Depth(H) 602				-	Press Flang		ssure Taps nge					(Meter Run) (Prover) S 2.067			
Pressure	Buildu	ıp:	Shut in	/20	20	0_13 at_1	1:00 AM	_ (AM) (PM)	Taken_11	1/21	20	13 at_	11:00	AM (A	M) (PM)	
Well on Li	iņe:	;	Started	• •	20) at	• •	_ (AM) (PM)	Taken		20	at _		(M) (PM)	
							OBSERV	ED SURFAC	E DATA	· · · · · · · · · · · · · · · · · · ·		Duration	of Shut-	in _24	Hou	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressure psig (Pm)		ressure ferential in hes H ₂ 0	Flowing Well Head Temperature t t		Wellhead (P _w) or (F	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In								73	87.4	Pump		24	·			
Flow															17	
	- 1			1	·		FLOW ST	REAM ATTR	RIBUTES							
Coeffieci	Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press tension P _m x h	Gravity Factor F _g		Temperature		viation Metered Flor actor R F _{pv} (Mcfd)		W GOR (Cubic Fed Barrel)			Flowing Fluid Gravity G _m	
(P _c) ² =	•	_:	(P _w) ² =	=	· · ·	(OPEN FLO	OW) (DELI	VERABILITY _% (i	') CALCUL P _e - 14.4) +		· :		(P _a)	² = 0.20	7	
(P _c) ² - (F	$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		ormula 1 or 2: $C_{c}^{2} - P_{a}^{2}$ $C_{c}^{2} - P_{d}^{2}$ $C_{c}^{2} - P_{d}^{2}$	LOG of formula 1. or 2. and divide by: P_2 P_2		Backpressure Curve Slope = "n" Assigned Standard Slope				Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd).		
Open Flov				Mo	fd @ 14.6	S5 neia	•	Deliverat	sility			Mcfd @ 1	14 65 no	<u> </u>		
		ianaa	Lauthority o				taton that	he is duly a		n make the					ndaa -f	
								d this the 2		day of De		itanu th	iai iie iia		age or 13	
		.5.01	., and mare			J., 2 0011001			11	1000	4	, , , , , , , , , , , , , , , , , , ,	1	, _		
		·	Witness	if any)				٠			For C	Company	w	KC	C WIG	
		•	For Comr	nission	·	· .	<u>:</u> .	· ·			Chec	ked by		DE	2 13	

I declare under penalty of perjury under the laws of the state of Kans	
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Linn O	
and that the foregoing pressure information and statements contained or	
correct to the best of my knowledge and belief based upon available produ	iction summaries and lease records
of equipment installation and/or upon type of completion or upon use being	
I hereby request a one-year exemption from open flow testing for the $_$	HCU 3321
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 reserve	oir 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
I further agree to supply to the best of my ability any and all supporting staff as necessary to corroborate this claim for exemption from testing.	g documents deemed by Commission
Date: 12/2/13	
Signature: Mann	Hima
Oignaturo.	A .l
	ance Advisor
Title: Regulatory Complia	ance Advisor
	ance 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.

DEC 13 2013

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