## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test				,	(See monuci	ions on nev	else siud	7)					
Open Flow  Deliverability			Test Date 6/15/15					No. 15 033-21127-(	) <b>0-</b> 00				
Company WOOLS		ERATING CO	OMPANY, LLO			Lease BUTLEF	R A			1	Well N	umber	
County Location COMANCHE E/2 SW SW			Section 31			TWP 31		RNG (E/W) 19 W		Acres Attributed			
Field WILDCAT			Reservoi MISSIS				Gas Gathering Co ONEOK FIELD S			S KCC WI AUG 17 2 To S236 RECEIVE			
Completion Date 12/18/03			Plug Bad 5260	k Total Dept	th	Packer Set NONE		Set at	4		16 12 20		
Casing Size Weight 5.50 15.5			Internal I 4.950	Diameter	Set at 5300		Perforations 5230		то 5236	RECEIL			
Tubing Size Weight 2.375 4.70				Internal Diameter		Set at 5230		Perforations OPEN		———·VEC			
Type Completion (Describe). SINGLE					id Production			Pump Unit or Travel PUMPING		Plunger? Yes	3 / No		
Producing		Annulus / Tubir	ng)	% (	Carbon Dioxi	de		% Nitrog	en	Gas (	aravity -	G <sub>g</sub>	
Vertical D			<del></del> -		Pres	sure Taps				(Mete	r Run) (F	Prover) Size	
	Buildup:	Shut in 6/	15	 20_15_at		(AM) (PM)	Taken_6/	'16	20	15 at		(AM) (PM)	
Well on L	ine:	Started		20 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
				-	OBSERVE	D SURFACE	DATA			Duration of Shu	 ıt-in	Hours	
Static / Dynamic Property	Orifice Size (inches	Meter Prover Press	Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H <sub>2</sub> 0		Flowing Well Head Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_\sigma)$ psig psia			ild Produced (Barrels)	
-Shut-In						50		0		24			
Flow						l		<u> </u>					
					FLOW STR	EAM ATTRI	BUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one: Meter or Prover Pressure psia	Press Extension	Grav Fac F	tor 1	Flowing Femperature Factor F <sub>f1</sub>	perature Fac		viation Metered Flow actor R F <sub>PV</sub> (Mcfd)		R Feet/ al)	Flowing Fluid Gravity G <sub>m</sub>	
			<u> </u>				<u> </u>	.=	_ <del>_</del> _				
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup> :	= :	(OPEN FL P <sub>d</sub> =	OW) (DELIV	•	. <b>CALCUL</b> 14.4) +		:		$(a)^2 = 0.3$ $(a)^2 = 0.3$	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>	Choose formula 1 or  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P	ose formula 1 or 2:  1. P.2 - P.2 LOG of formula 2. P.2 - P.4 1, or 2. and divide		Backpres Slop 	ackpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	_					<u> </u>	_			<u> </u>			
Open Flow Mcfd @ 14			I.65 psia		Deliverability				Mcfd @ 14.65 p	sia			
		•	said report is tru			-			ULY for L D	ort and that he h		wledge of , 20 <u>15</u> .	
		For Com				_	·			cked by			
		( 5: 3011							Olle				

I declare under penalty of perjury under the laws of the state of Kansas that I am exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERA and that the foregoing pressure information and statements contained on this application correct to the best of my knowledge and belief based upon available production summa of equipment installation and/or upon type of completion or upon use being made of the I hereby request a one-year exemption from open flow testing for the BUTLER A-1	ation form are true and tries and lease records gas well herein named.
(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 reservoir undergoin  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 documents staff as necessary to corroborate this claim for exemption from testing.	
Date: 7/31/15  Signature: Whe L Hella	

## 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.