## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(	See Instruc	tions on Re	verse Side	e)				
= '	oen Flo					Test Date	ə <b>:</b>				No. 15			
V De	eliverat	oilty				3/11/20	13			023	-20699-00-0	0		
Company Caerus <sup>1</sup>		Co L	.LC					Lease Bamme	es			34-5	Well Nur	nber
County Location Cheyenne NESWSE					Section 5		TWP 2S			RNG (E/W) 41W		Acres Attributed 160		
Field Cherry Creek			_	Reservoir Niobrara					hering Conne Gathering	ection				
Completion Date 3/26/2007				Plug Back Total Depth 1550'				Packer Set at N/A						
Casing S	Casing Size Weight5" 10.5#				Internal [	Diameter		Set at 1569'		rations	To 1430'	то 1430'		
Tubing Size Weight 2.375" 4.75#			ht	Internal Diameter 2"			Set at 1455'		1416' Perforations		То			
Type Cor				<del>#</del>		Type Flui	d Productio		·		nit or Traveling	Plunger? Yes	/ No	
N2 Fracture Producing Thru (Annulus / Tubing)				Brine Water % Carbon Dioxide				Yes, P		Gas Gr	Gas Gravity - G			
Annulus Vertical Depth(H)				<1%	Droo	ssure Taps		<1%		(Meter Run) (Prover) Size				
1590'	Jepini(i	⊓) <i>-</i> -					Fies	ssure raps				(Meter r	1011) (P11	
Pressure	Buildu	ıp:	Shut in 3/	11	2	<sub>0</sub> _13 at_7	:21AM	. (AM) (PM)	Taken_3	/12	20	13 at 7:30AM	<u>v</u>	AM) (PM)
Well on L	_ine:		Started		2	0 at		. (AM) (PM)	Taken		20	at	(	4M) (PM)
							OBSERVE	ED SURFAC	E DATA	<u>,.</u>		Duration of Shut-	<u>in</u>	Hours
Static / Dynamic Property	Orif Siz (inch	ze	Circle one: Meter Prover Press psig (Pm)	Difi	essure ferential in hes H <sub>2</sub> 0	Flowing Temperature T	Well Head Temperature t	Wellhead (P <sub>w</sub> ) or (F	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrefs)	
Shut-In	ut-In				- :			psig 95	psia	psig	psia			
Flow		<u> </u>										•		
			-				FLOW ST	REAM ATTR	RIBUTES					- •
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press tension P <sub>m</sub> x n	Grav Fac F	tor	Flowing Temperature Factor F <sub>I1</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
							L _			·				_,,
P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup>			(OPEN FL		/ERABILITY % (I	/) CALCUI P <sub>e</sub> - 14.4) +			(P <sub>a</sub> )	²= 0.20	<b>)7</b>
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(F	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		2- P2 2- P2 2- P2 2- P2	LOG of formula 1. or 2. and divide		Backpress Slope			.og [ ]	Antilog	Ope Deliv Equals	en Flow verability R x Antilog Mcfd)
			_		-							<del></del>	<u> </u>	
	<u></u>		-		<del></del> -	<u>.                                    </u>				-			<u> </u>	
Open Flo	w			Mot	id @ 14.	65 psia		Deliverat	bility			Mcfd @ 14.65 psi	<u>a</u>	
		•	d authority, on, and that s			• •			uthorized t	to make th	ie above repoi	rt and that he ha	ıs knowl	edge of 20 <u>/4</u>
			- 72	·				-		Jane	Bart		(CC	WICH!
			Witness	_			<del> </del>	<u>-</u>	0			ompany	ΔPR	0.9. 2014
			For Com	mission							Chec	ked by		
													T C	CEIVE

exempt status ur and that the fore correct to the be	der penalty of perjury under the laws of the state of Kansas that I am authorized to request onder Rule K.A.R. 82-3-304 on behalf of the operator Caerus WashCo LLC egoing pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named.
	uest a one-year exemption from open flow testing for the Bammes 34-5
	grounds that said well:
gas well on the g	
	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  ee to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessa	ary to corroborate this claim for exemption from testing.
Date:	8/14
- <sup>-</sup>	Signature Bank
	Signature:
	Title: Operations Engineer

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**—