RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

			(000 11130120	ctions on Rev	reise Side	7			
☐ Open Flow Deliverability	,		Test Date					No. 15 -20307-00-0	20	
Company			1/22/20	13	Lease		023	-20307-00-0		Well Number
Caerus WashCo	 				BRUNS	WIG			12-7-4	
County Cheyenne	Locatio S2SWNI		Section 12		TWP 2S	-	RNG (E/ 42W	W)		Acres Attributed _ 160
Field Cherry Creek	<u>-</u>		Reservoir Niobrara					hering Conn Gathering	ection	
Completion Date 4/23/1991			Plug Bac 1659'	k Total Der	oth		Packer S N/A	iet at		
Casing Size 4.5"	Weight 10.5#		Internal Diameter 4"		Set at 1700'		Perforations - 1522'		то - 1554'	
Tubing Size 2.375"	Weight 4.75#		Internal Diameter 2"			1588'		rforations To		
Type Completion (N2 Fracture		-		d Productio Vater —	on		Yes, F	-	Plunger? Yes	
Producing Thru (A Annulus	roducing Thru (Annulus / Tubing)			arbon Diox	dde	de % Nitros <1%		gen Gas Gravity - G		avity - G
Vertical Depth(H)	<u> </u>		<1%	Pre	ssure Taps		-1/0		(Meter I	Run) (Prover) Size
1764'										
Pressure Buildup:	Shut in1/22	20	13 at 7	:24AM	(AM) (PM)	Taken_1/	23	20	13 at 10:26A	AM (AM) (PM)
Well on Line:	Started) at		(AM) (PM)	Taken		20	at	(AM) (PM)
				OBSERV	ED SURFACE	DATA			Duration of Shut-	inHour
Static / Orifice Dynamic Size Property (inches)	Meter Prover Pressurepsig_(Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead I	Pressure	Wellhe	Tubing ad Pressure (P _c) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	paig_(i.iii)			<u> -</u> 	psig 165	psia	psig	psia		
Flow				-				-	-	
		<u> </u>		FLOW ST	REAM ATTRI	BUTES	l .	<u> </u>	_	
Plate Coefficcient (F _b) (F _p) Mod	effiecient Meter or Extension F _b) (F _p) Prover Pressure		Gravity _ Factor F _g		Flowing Temperature Factor F ₁₁ Devia			Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravitu
<u>L</u>										
(P _c) ² =:	(P _w) ² =_	<u> </u>	(OPEN FL		VERABILITY) _% (P	CALCUL c - 14.4) +		:	(P _a)	² = 0.207 ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ²	haose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by:		Štop Ass	ssure Curve e = "n" or signed ard Slope	n x i	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			<u> </u>							
Open Flow		Mcfd @ 14.6	35 psia		Deliverabi	ility			Mcfd @ 14.65 ps	ia
The undersign	•				•	0	o make th	ne above repo	ort and that he ha	as knowledge of
ie iaus siaieu inel	iem, anu mat sam	u report is true	anu correc	. шжесите	u uus uue		uay Uí		N 1	/ · · · · · · · · · · · · · · · · · · ·
								A-20 A	<i></i>	

exempt status u	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator <u>Caerus WashCo LLC</u>
	egoing pressure information and statements contained on this application form are true and
	est of my knowledge and belief based upon available production summaries and lease records
of equipment in	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 BRUNSWIG 12-7-4
	grounds that said well:
(Che	ck one)
	is a coalbed methane producer
	is cycled on plunger lift due to water
Ī	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
-	ree to supply to the best of my ability any and all supporting documents deemed by Commission
I further ag	or to dappy to the boot of my ability and an dapporting about the boot of my ability and
	ary to corroborate this claim-for exemption from testing.
staff as necess	
staff as necess	

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

APR 09 2014