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

Type Test	t: en Flo	w	•		(	See Insti	ructions on Re	everse Side	)				
= :	liverab				Test Date 3/18/20					No. 15 -20717-00-0	ın		
Company Caerus \		Co L	LC		3/10/20	13	Lease GEMAI	EHLICH	020	-20111-00-0	<del></del>	Well Number	
County Location Cheyenne SWNESE				Section 18		TWP 2S			W)	Acres Attributed 160			
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Connection Eureka Gathering					
Completion Date - 12/13/2006				Plug Bac 1645'	Plug Back Total Depth - 1645'			Packer S N/A	et at	-			
Casing S 4.5"	asing Size Weight 5" 10.5#				Internal [	Diameter		Set at 1662'		ations	то 1544'		
Tubing Si 2.375"	ubing Size Weight				Internal D			Set at 1570'		Perforations			
Type Con N2 Frac		n (De			Type Flui Brine V				Pump Un Yes, P	_	Plunger? Yes	7 No	
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitroge		Gas Gravity - G			
Vertical D		1)			-170	Р	ressure Taps		170		(Meter F	Run) (Prover) Size	
Pressure	Buildu	p: :	Shut in3/18	32	0_13_at_7	:40AM	(AM) (PM)	Taken_3/	19	20	13 at 7:58AN	<u>Л</u> (АМ) (РМ)	
Well on L	Well on Line: Started		Started	20 at _		(AM) (PM) Take		Taken	2		at	(AM) (PM)	
						OBSEF	RVED SURFAC	E DATA			Duration of Shut-i	inHours	
Static / Dynamic Property	Static / Orifice Dynamic Size		Circle one:  Meter  Prover Pressur		lemperature lemperatu		ture (P,) or (	Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration -	Liquid Produced	
Shut-In			_ psig (Pm)	_ Inches H <sub>2</sub> 0	-		psig	psia	psig	psia <sup>.</sup>	<u> </u>		
Flow						-				_			
						FLOW 9	STREAM ATT	RIBUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one:  Meter or  ver Pressure psia	Press Extension P <sub>m</sub> x h	Grav Fac	tor	Flowing Temperature Factor F <sub>rt</sub>	Fac	Deviation / Factor F <sub>pv</sub>		GOR (Cubic Fee Barrel)	bic Feet/ Fluid Gravity	
	<u></u>	-		<del></del>							-	-	
(P <sub>c</sub> ) <sup>2</sup> =		•	(P <sub>w</sub> ) <sup>2</sup> =_		(OPEN FL	OW) (DE	LIVERABILIT	Y) CALCUL. (P <sub>c</sub> - 14.4) +			(P <sub>a</sub> ) <sup>2</sup>	² = 0.207	
$(P_o)^2 - (P_a)^2$ or $(\bar{P}_e)^2 - (P_d)^2$		(F	$ (P_{c})^{2} - (P_{w})^{2} $ $ (P_{c})^{2} - (P_{w})^{2} $ $ (P_{c})^{2} - P_{c}^{2} - P_{c}^{2} $ $ (P_{c})^{2} - P_{c}^{2} - P_{c}^{2} $ $ (P_{c})^{2} - P_{c}^{2} - P$		LOG of formula 1. or 2. and divide by:		Backpr Sk	Backpressure Curve Slope = "n"		.og [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		_									<del></del>		
Open Flo	w			Mcfd @ 14.	I 65 psia		Delivera	bility			Mcfd @ 14.65 psi	a	
		_	-		-					e above repo	rt and that he ha	_	
ne facts s	stated t	nerei	n, and that sa	id report is true	and correc	t. Execu	ited this the _		day of	2. A	2.1	, 20 <u>/4</u> .	
			Witness (il	any)			_			For C	company	KCC WICH	
			For Commi	ssion			_			Chec	ked by	APR 0 9 201	
												RECEIVE	

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	pt status under Rule K.A.R. 82-3-304 on behalf of the operator Caerus WashCo LLC
	hat the foregoing pressure information and statements contained on this application form are true and
	ct to the best of my knowledge and belief based upon available production summaries and lease records
•	uipment installation and/or upon type of completion or upon use being made of the gas well herein named.
	hereby request a one-year exemption from open flow testing for the GEMAEHLICH 43-18
gas w	vell 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 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
<b>.</b> .	
	further agree to supply to the best of my ability any and all supporting documents deemed by Commission
-statt:	as necessary to corroborate this claim for exemption from testing.
Date:	<u> </u>
_	
-	
-	
	Signature:
	Title: Operations Engineer
_	Title:
	•

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.

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