KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instruc	tions on Re	verse Side,)					
Open Flow				Test Dat	e:			APIN	lo. 15				
✓ Deliverability				3/19/2013			API No. 15 023-20713-00-00						
Company Caerus WashCo LLC						Lease GEMAE	EHLICH			33-18	Well Number 33-18		
County Cheyenr	ne	Locat SENW		Section 18		TWP 2S		RNG (E/W) 41W		Acres Att 160		ibuted	
Field Cherry Creek				Reservoir Niobr <u>ara</u>			Gas Gathering Connec Eureka Gathering			ection			
Completion 5/10/200				Plug Bad 1663'	lug Back Total Depth 663'		Packer Set at N/A		ot at				
Casing Size 4.5"		Weigh 10.5#		Internal Diamete		Set at 1686' -		Perforations 1533'		то 1545'			
Tubing Size 2.375"		Weigh 4.75#		Internal Diameter 2"		Set at - 1570'		Perforations		То			
Type Completion (Describe) N2 Fracture			·		id Productio Water					Plunger? Yes / No			
Producing	g Thru (A	Annulus / Tubin	ng) % Carbon Dio			ide % Nitrogen				Gas Gravity - G			
Annulus Vertical E				<1% <1% Pressure Taps						(Meter I	Run) (Prov	er) Size	
1729' Pressure	Duildun	Shut in 3/1	9	13 , 7	:58AM	/ANA) /DNA)	Takan 3/2	20	20	13 _{at} 8:01Al	M (A)	4) (DM)	
Well on L			tarted2		-							(AM) (PM) (AM) (PM)	
					OBSERVE	ED SURFAC	F DATA	<u>-</u>		Duration of Shut-		Hours	
Static / Orifice Dynamic Size Property (inches		Circle one:	Pressure	Flowing	Well Head	Casing		Tu	bing	Duration of Onor-			
		Meter Prover Press	Differential ure in Inches H ₂ 0	Temperature 1		Wellhead (P _w) or (F			d Pressure P ₁) or (P ₆)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		, , , ,	-			115	psia	parg	psia				
Flow		-	-				-						
	-			· 	_FLOW ST	REAM ATTR	IIBUTES				-		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle ane: Meter or Prover Pressure psia	Press Extension √ P _m xh	nsion Factor		Temperature Fac		riation - Metered Flow actor R F _{pv} (Mcfd)		v GOR_ (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
									_				
	_		· -			ERABILITY			-) ² = 0.207		
(P _t) ² =	 -	(P _w) ² =	Choose formula 1 or 2	P _d =	==	1	P _c - 14.4) +	14.4 =	 :	(P _d)	<u>*=</u>		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o) ² - (P _w) ² 1. P _o ² - P _o ² 2. P _o ² - P _o ² divided by: P _o ² - P _o ²		LOG of formula 1, or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LG	og [Antilog	Deliver Equals R	Open Flow Deliverability Equals R x Antilog (Mcfd)	
											<u> </u>		
Open Flo	w		Mcfd @ 14	65 psia		Deliverab	oility			Mcfd @ 14.65 ps	ja		
-													
	•		n behalf of the aid report is tru			•		make the	April	rt and that he ha	us knowled , 20	ige of	
		Witness (-			de de	Buts Company	KCC	₩IC⊦	
		For Comm		<u>.</u>		_		. <u>-</u>	Cher	cked by		00.00	
		. 5. 0010									APR	0 9 20	
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· · · · · · · · · · · · · · · ·	s of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf o	f the operator Caerus WashCo LLC
and that the foregoing pressure information and state	tements contained on this application form are true and
correct to the best of my knowledge and belief based	upon available production summaries and lease records
of equipment installation and/or upon type of completi	on or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open	flow testing for theGEMAEHLICH 33-18
gas well on the grounds that said well:	
(Check one)	
is a coalbed methane producer	-
is cycled on plunger lift due to wat	er
is a source of natural gas for injec	tion into an oil reservoir undergoing ER
is on vacuum at the present time; l	CCC approval Docket No
is not capable of producing at a da	aily rate in excess of 250 mcf/D
I further agree to supply to the best of my ability	any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exem	ption from testing.
Date: 4/8/14	
- · - -	
· · · · · · · · · · · · · · · · · · ·	
Signature:	Son Barth
. 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

APR 09 2014

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