RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	en Flow			,		lions on Reve	rse Side					
✓ Del	liverabilty			Test Date 2/13/20					No. 15 3-20288 - 00 - 0	0		
Company Caerus V		LLC				Lease EMMA R	AILE			12-11-	Well Number 1	
County Location Cheyenne NENESW			Section 12				RNG (E/W) 42W			Acres Attributed 160		
Field Cherry Creek			Reservoir Niobrara	a		Gas Gathering C Eureka Gatheri			ection			
Completion Date 11/1/1990			Plug Bac 1643'	k Total Dept	th	Packer Set at N/A						
Casing Size Weight 4.5" 10.5#			Internal Diameter 4"		Set at 1695'		Perforations 1554'		To 1588'			
Tubing Si 2.375"	Tubing Size Welght 2.375" 4.75#			Internal Diameter 2"		Set at 1612'		Perforations		То		
Type Completion (Describe) N2 Fracture			Type Flui	Type Fluid Production Brine Water			Pump Unit or Traveling Plunger? Yes / No Yes, PU					
Producing Thru (Annulus / Tubing) Annulus					% Carbon Dioxide			% Nitrogen			Gas Gravity - G _g	
Vertical D				. 70	Pres	sure Taps		. , ,	•	(Meter I	Run) (Prover) Size	
	Buildup:	Shut in		13 at 8	:50AM	(AM) (PM) 1	raken_2/	14	20	13 _{at} 8:55Ai	M (AM) (PM)	
Well on Li) at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
-					OBSERVE	D SURFACE		1		Duration of Shut-	inHours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P _w) or (P ₁)	ressure	Wellhe	Tubing ead Pressure or (P ₁) or (P _c)	Duration - (Hours)	Liquid Produced (Barrels)	
Shut-In						175	,					
Flow					<u></u>							
					FLOW STR	EAM ATTRIE	BUTES					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia Press Extension √ P _m x h		Gravity Factor F		Flowing Temperature Factor F _{II}	mperature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	I Gravity I	
						-						
(P _c) ² =		_ (P _w)² = _		(OPEN FL		ERABILITY)	CALCUL - 14.4) +			(P _a)	² = 0.207	
$(P_c)^2 - (F_c)^2 - (F_c$			1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1, or 2, and divide		Backpress Slope	sure Curve == "n" or gned	•	LOG	Antilog-	Open Flow Deliverability Equals R x Antilog	
	-	d.	ivided by: $P_c^2 - P_w^2$	by:	<u>'' '' </u>	Standar	rd Slope				(Mold)	
Open Flow	nar.		Mcfd @ 14.	35 peia		Deliverabil	itv			Mcfd @ 14.65 ps	ia	
		ad authority on			etatoe that h			o mako ti		· · · · · · · · · · · · · · · · · · ·		
	_	ed authority, on ein, and that sai				•	<71	day of	April	rt and that he ha	, 20 <u>14</u> .	
 _		Witness (if	any)					H	m-	ompany	KCC WICH	
		For Commis	sion						Chec	ked by	APR 0 9 20	

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Caerus WashCo LLC
corre of eq	the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records nent installation and/or upon type of completion or upon use being made of the gas well herein named. eby request a one-year exemption from open flow testing for theEMMA_RAILE_12-11-1
	on the grounds that said well:
	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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date:	4/8/14
-	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 0 9 2014