KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	: en Flo			•		Test Date 9/06/20) ;	ctions on Re	everse Side	AP:	I No. 15 7-30263—(0000			
Company Chesapeake Operating, Inc.						9/00/20	Lease Morrow A					Well Number			
County Location Barber N/2 N/2 N/2					Section 1		TWP 35S			/W)	Acres Attributed				
Field Blunk South					Reservoir Cherol			-		thering Conn Energy Ser					
Completion Date 8/15/66					Plug Bac 491	k Total De	pth		Packer Set at None						
Casing Size Weight 5 1/2 "					Internal [Diameter		Set at 4925		rations 4	то 4839				
	ubing Size Weight				Internal Diameter 1.995			Set at 4832		orations	То				
Type Completion (Describe) Single Gas					Type Flui	d Production	on			ng Plunger? Yes / No					
Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitro	gen	Gas G	Gas Gravity - G _g				
Annulus Vertical D		i)					Pre	ssure Taps				(Meter	Run) (P	over) Size	
4925			0.10	_		40 7	-00					40 7.00			
							13 at 7:00					13 at 7:00		(AM) (PM)	
Well on L	ine:		Started		2	0 at		_ (AM) (PM)	Taken		20	at		AM) (PM)	
							OBSERV	ED SURFAC	E DATA			Duration of Shut	_{-in} 24	Hours	
Static / Dynamic Property	Orific Size (inche	э	Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatur t	e Wellhead (P _w) or (I	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing pad Pressure or (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In								16	30.4	psig 0	14.4	24			
Flow															
							FLOW ST	REAM ATT	RIBUTES		,				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m x h	I	Facioi		Flowing Dev Temperature Fa Factor F		Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =			(P _w) ² :		<u> </u>	(OPEN FLO	OW) (DELI	VERABILITY	r) CALCUL P _e - 14.4) +		:	•) ² = 0.2	07	
(P _a) ² - (f	$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _m) ²		ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x Log		Antilog	Op		
Open Flor					Mcfd @ 14.			Deliveral	•			Mcfd @ 14.65 ps			
								he is duly a			· ·	KANSAS CO	RECE	_{on} 13	
			Witness	(if any	/)			•			For			3 2013	
			For Com	mis s io	on						Che	cked by		N DIVISION	

I declare unde	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	er Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.
and that the foreg	oing pressure information and statements 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 insta	ilation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Morrow A 1-1
	ounds 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
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
-	to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary	to corroborate this claim for exemption from testing.
Date: 10/18/2013	
	·
	Signature: Dun Villandor
	Title: Dawn Richardson, Associate Regulatory Analyst

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 RECEIVED signed and dated on the front side as though it was a verified report of annual test resultansas CORPORATION COMMISSION