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## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:	pe Test: (See Instructions on Reverse Side)											
Open Flow Test Date:						API No. 15						
Delive	erabilty			10/17/20	013				189-20889 <b>~</b>	· 0 <b>000</b>		
Company Chesapeake Operating, Inc.						Lease Hitch Land & Cattle				1-18	Well Number 1-18	
County Location Stevens 330' FSL & 4290' FEL			Section 18		TWP 32S			W)		Acres Attributed		
Field Walkemeyer				Reservoir Morrow				Gas Gathering Connection OneOK Energy Services				
Completion Date 2/6/1986			Plug Bacl	k Total Dept	h	Packer Set a				:		
Casing Size 5 1/2	asing Size Weight			Internal E 4.950	Diameter		Set at 6378		rations	To 5654		
Tubing Size	bing Size Weight				Diameter	Set at		5642 Perforations		То		
Type Completion (Describe)				Type Flui	d Production	า	Pump Unit or Tr			eling Plunger? Yes / No		
Single <b>(</b> Gas <b>)</b> Producing Thru (Annulus / Tubing)					Saltwater % Carbon Dioxide			% Nitrog		Gas Gravity - G		
Tubing	a (/ ii	mada / Tabiii	97	<i>7</i> 0	410011 <i>D</i> 10XI	oc .		70 Millog	,011	Guo Gi	avity $\omega_{g}$ .	
Vertical Dep	th(H)				Pres	sure Taps				(Meter	Run) (Prover) Size	
Pressure Bu	uildup:	Shut in 10/	17 a	0_13 at_0	7:00	(AM) (PM)	Taken_10	0/18	20	13 at 07:00	(AM) (PM)	
Well on Line	<b>e</b> :	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFAC	E DATA		· .	Duration of Shut	-in 24 Hours	
Dynamic	Orifice Size (inches) Prover Pressure psig (Pm) Inches H_0		Flowing Well Head Temperature t t		Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration Liquid Produc (Hours) (Barrels)			
Shut-In		paig (Fili)	Inches H <sub>2</sub> 0			160	psia 174.4	psig 76	90.4	24		
Flow												
		·			FLOW STR	EAM ATTR	RIBUTES					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one; Meter or rover Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fact	or 1	Tomporaturo		riation actor - pv	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	eet/ Fluid	
(D \2		(P \2 -	,	•	OW) (DELIV		•			(P <sub>a</sub> )	) <sup>2</sup> = 0.207	
(P <sub>c</sub> ) <sup>2</sup> =	<del></del>		Choose formula 1 or 2	•			P <sub>c</sub> - 14.4) +			, (r <sub>d</sub> ,		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$ (P_c)^2 - (P_w)^2 \qquad 1. \ P_c^2 - P_a^2 $ $ 2. \ P_c^2 - P_d^2 $ $ divided \ by: \ P_c^2 - P_w^2 $		LOG of formula 1. or 2. and divide by:		Slope = "n" or Assigned Standard Slope		n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			,					,				
					•					•		
Open Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia						
			n behalf of the aid report is tru							ort and that he h	as knowledge of, 20 _13	
											MOO VAHOU	
		Witness (i	it any)						For	Company	KCC WICE	
		For Comm	nission	-		-			Che	cked by	DEC 12 20	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc and that the foregoing 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 installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Hitch Land & Cattle 1-18
gas well 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  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 exemption from testing.
Date: 12/11/2013
Signature: Sarah Rodriguez, 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 signed and dated on the front side as though it was a verified report of annual test results.

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