KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test	: en Flow	,	•		·		ctions on Re	verse Side	,					
Deliverabilty						Test Date: 09/07/2013				API No. 15 15-189-22491 - 0000				
Company Chesapeake Operating, Inc.						Lease Cox			Well Number 1-29					
County Location Stevens C SW SW SE				Section 29		TWP 34S	34S 36W		W)					
Field Voorhees				Reservoir Morrow	Reservoir Morrow			Gas Gathering Connection OneOk Field Services						
Completion Date 8/18/2005				Plug Baci 6801	Plug Back Total Depth 6801			Packer Set at			 			
Casing Size 5 1/2"			Weigi 17#	nt	internal E 4.892			Set at 6845'		rations O'	To 6344'			
Tubing Si 2 7 /8"	Zθ	Weight 6.5#			Internal D 2.441	Internal Diameter 2.441		Set at 6280'		Perforations		То		
Type Completion (Describe) Single - Gas					• •	Type Fluid Production Oil/Water			Pump Unit or Traveling Plunger Plunger Lift			? (Tes) / No		
Producing Thru (Annulus / Tubing) Tubing					% C	% Carbon Dioxide				% Nitrogen Gas Gravity - G _g			 	
Vertical D 6845'	epth(H)					Pre	ssure Taps				(Meter	Run) (Pro	ver) Size	
Pressure Buildup:		: 5	Shut in 9/6 20		13 at 7:00 AM		(AM) (PM)	(AM) (PM) Taken 9/7		20	13 at 7:00 A	\М (A	M) (PM)	
Well on L	ine:				0 at		_ (AM) (PM)	Taken		20	at	(A	M) (PM)	
						OBSERV	ED SURFAC	E DATA			Duration of Shut	-in_24	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t	Well Head Temperatur t	 I Wellhead Pressure 		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration Liquid Proc (Hours) (Barret		I	
Shut-In							160	174.4	162	176.4	24 hrs.			
Flow														
				· · ·		FLOW ST	REAM ATTE	RIBUTES				·		
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F ₁₁	Fa	riation actor - pv	Metered Flor R (Mcfd)	(Cubic Fe	GOR (Cubic Feet/ Barrel)		
(D.)3			(5.1)		•	, ,	VERABILITY	•)2 = 0.20	7	
$(P_c)^2 = $ $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$\frac{(P_{w})^{2}}{(P_{c})^{2} - (P_{w})^{2}}$		Choose formula 1 or 2 1. P _c ² ·P _s ² 2. P _c ² ·P _d ²	LOG of formula	P _c ² - P _w ²	Backpre Sid	P _c - 14.4) + essure Curve ppe = "n" - or esigned		LOG	(P _d)	Open Flow Deliverability Equals R x Antilog (Mcfd)		
				divided by: P _c ² - P _w ²	by:		Stand	dard Slope				- (14		
Open Flo			,	Mcfd @ 14.			Deliveral	•	<u> </u>		Mcfd @ 14.65 ps			
				on behalf of the							ort and that he ha	, 20 RE	dge of 13 CEIVED RATION COM	
			Witness	(if any)						For	Company	nct	2 3 2013	
			For Come	mission						Che	cked by	CONSER	VATION DIVIS CHITA, KS	

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.
	oing pressure information and statements contained on this application form are true and
_	of my knowledge and belief based upon available production summaries and lease records
	illation and/or upon type of completion or upon use being made of the gas well herein named.
• '	est a one-year exemption from open flow testing for the Cox #1-29
	bunds that said well:
gas was as as g.	
(Check	one)
	is a coalbed methane producer
<u></u>	is cycled on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
T T	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	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	to corroborate this claim for exemption from testing.
Date: 10/17/2013	
Date	
	•
	Signature Jamy Chouds
	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 signed and dated on the front side as though it was a verified report of annual test results. KANSAS CORPORATION COMMISSION