KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					((See Instru	ctions on Re	everse Sid	e)						
Op	en Flov	v				Test Date	•			ADI	No. 15		_			
Deliverabilty						9/22/2010				API No. 15 129-21078 — (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
Company Chesapeake Operating, Inc.						Lease Marquard t				1-2				Well Number		
County Location Morton SW				Section 28		TWP 32S			W)	Acres Attributed			ttributed			
					Reservoir Morrow				Gas Gathering Connection OneOk Energy Services							
				Plug Bac 5625	Plug Back Total Depth 5625				Packer Set at							
Casing Size Weight 4.5 10.5					Internal [4.052	Diameter		Set at 5617		rations 8	To 5323					
Tubing Size Weig 2.375 4.7			nt		Internal I 1.995	Internal Diameter 1.995		Set at 5237		rations	То					
Type Con Gas	npletion	(De	escribe)			Type Flui	id Production	on	*	Pump Ur Pump	nit or Traveling Unit	Plunge	r? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide				% Nitrogen				Gas Gravity - G _g			
Vertical D	-)					Pre	ssure Taps						Run) (Pi	over) Size	
Pressure	Buildur): ;	Shut in 9/2	2	2	0 10 at 1	1	(AM) (PM)	Taken_9	/23	20	10 at	11	(AM) (PM)	
Well on L	ine:	:	Started		2	0 at		_ (AM) (PM)	Taken		20	at		(AM) (PM)	
							OBSERV	ED SURFAC	E DATA			Duratio	n of Shut-i	n_24	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well He Temperature Tempera t t		i Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In					-			45	59.4	2	16.4	24				
Flow																
•						1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	FLOW ST	REAM ATT	RIBUTES			•		•		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m xh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁	F	viation actor F _{pv}	Metered Flor R (Mcfd)	N	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
	ŀ															
(D.)?			(D.)3			•	, ,	VERABILITY	•					= 0.2	07	
$\frac{(P_c)^2 = }{(P_c)^2 \cdot (P_s)^2}$				Cho	ose formula 1 or 2 1. P _c ² - P _a ²	·····	LOG of		% (P _c - 14.4) + Backpressure Curve Slope = "n"		n x 106		(P _d)² Antilog		Open Flow Deliverability	
or (P _c) ² - (F	P _d) ²				2. P _c ² - P _d ²	1. or 2. and divide by:	P _c ² -P _w ²	_ A	ssigned dard Slope						R x Antilog Mcfd)	
Open Flor	w				Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @	14.65 psi	a		
		•	authority, on, and that s			• •		•		to make the	e above repo ovember	ort and t	hat he ha		edge of 20	
			Witness (For	Company		RE	CEIVE	
			For Comr	nlssic	on	4				·····•	Che	cked by		DE	0620	

exempt status und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
of equipment insta	t of my knowledge and belief based upon available production summaries and lease records allation 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 Marquardt 1-28 rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar Date: November	y to corroborate this claim for exemption from testing. 15, 2010
	Signature:

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.

RECEIVED

DEC 0 6 2010

KCC WICHITA