KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruct	ions on Rev	rerse Side)					
Open Flow Deliverabilty				Test Date: 05/21/2013				API No. 15 075-20134 <i>— 0000</i>						
Company Chesapeake Operating, Inc.						Lease Doerr				2-22	Well Nu	mber		
County Hamilton			Location C SW 1	n	Section 22		TWP 21S		RNG (E/W) 40W			Acres A	ttributed	
Field Bradshaw					Reservoir Winfield					nering Conne	ection rketing, L.P.			
Completion Date 10/26/1976					Plug Back Total Depth		h	Packer Set at None						
Casing Size 4.5			Weight		Internal Diameter 4.052		Set at 2840		Perforations 2764		то 2776			
Tubing Size 2.375			Weight 4.7#		Internal Diameter 1.995		Set at 2790		Perforations		То			
Type Completion (I Single Gas			escribe)		Type Fluid Production Water		Pu		Pump Un	Pump Unit or Traveling Plu		/ No		
	g Thru	(Anı	nulus / Tubing	% C	arbon Dioxi	de		% Nitrogen		Gas Gravity - G _g .760		a _g		
Vertical Depth(H) 2840							Pressure Taps Flange				(Meter F	Run) (Pi	over) Size	
Pressure	Buildu	p:	Shut in05/2	20 2	0_13 at_7	:00	(AM) (PM)	Taken_05	5/21	20	13 at 7:00	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken	· · · · · ·	20	at	(AM) (PM)	
			1			OBSERVE	D SURFACE		1		Duration of Shut-	_{in} 24	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Press Meter Difference Prover Pressure in Inches		Flowing Well Hea Temperature t t		Mellhead Pressure		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			,	2			17	31.4	45	59.4	24			
Flow						FI 034 075								
			Circle one:			FLOW STR	EAM ATTR	IBULES					Florida	
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension P _m xh	Factor		Flowing Temperature Factor F _{f1}		iation ector - pv	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
			:											
(P _c) ² =		_:	(P _w) ² =	:	•	• •	'ERABILITY' % (F) CALCUL ² c - 14.4) +		:		² = 0.2 ² =		
$(P_c)^2 = $ $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ livided by: $P_c^2 - P_w^2$	2 P 2 1. or 2.		Backpressure Curv Slope = "n"		e n x l OG		Antilog	Op Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				<u> </u>										
Open Flow Mcfo			Mcfd @ 14.	 @ 14.65 psia						Mcfd @ 14.65 ps	l ia			
		-									ort and that he ha			
the facts s	nated t	nere	ın, and that sa	ia report is trui	e and correc		This the		uay or			· ·	·	
			Witness (if	any)						For	Company			
			For Comm	ssion		AU	G 15 20	J13		Che	cked by			

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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								
gas well on the grounds 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								
✓ 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: _06/25/2013								
Signature: Dawn Richardson, Regulatory Technician III								

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 signed and dated on the front side as though it was a verified report of annual test results.

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