KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					. (See Instru	ctions on R	everse Side	;)					
Open Flow					Test Date	Test Date:				API No. 15					
De	eliveral	bilty				8/5/201				07	5-20203-	00-00			
Company Chesapeake Operating, Inc.						Lease Thiessen			2			Well Number			
County Location Hamilton SE/4					Section 13			TWP 21S		W)	Acres Attributed		Attributed		
Field Bradshaw					Reservoir Winfield			Gas Gathering Connection DCP Midstream Marketing LP							
Completion Date 12/19/1977					Plug Back Total Depth 2812'				Packer Set at None						
Casing Size 4.5"				Weight 10.5#			Internal Diameter 4.052"		Set at 2820		rations	то 2770			
Tubing Si	ize		Weig	ht		Internal [1.995"	Diameter	Set	Set at 2803'		rations	То			
2.375" 4.7# Type Completion (Describe)				Type Flui	Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Pump Unit							
Single Gas Producing Thru (Annulus / Tubing)					Water % Carbon Dioxide			Pump % Nitrog		Gravity -	G.				
Annulus	•	,		<i>J</i> ,										9	
Vertical D	epth(l	1)					Pre	ssure Taps			"	(Mete	r Run) (F	Prover) Size	
Pressure Buildup:		ıp:	Shut in 8/5		20 10 at 7:00			_ (AM) (PM)	(AM) (PM) Taken_8/		20	10 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 Shu	_{st-in} _24	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _a)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			,,,,,,		2			93	107.4	psig 77	91.4	24			
Flow	-														
r				· · · · · · · · · · · · · · · · · · ·			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	Grav Fact F _g	or	Flowing Temperature Factor F _{tt}	Fa	ation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
				<u> </u>		(ODEN EL (OW) (DELL	VERABILITY	() CALCIII	ATIONS					
(P _c) ² =		:	(P,,,)2 =	=	:	$P_d = 1$			P _c - 14.4) +		:		$_{a}^{a})^{2} = 0.2$ $_{d}^{a})^{2} = _{}^{}$	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choc	ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpre Slo	Backpressure Curve Slope = "n" 		.og []	Antilog	O Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		·····		_											
Open Flov	w				Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 p	sia		
The u	ındersi	igned	f authority. n	n b	ehalf of the	Company, s	tates that	he is dulv a	uthorized to	make th		rt and that he I		ledge of	
		-	n, and that s					•			ovember			20 10	
			Witness (if anv	·)			-			For C	ompany	RI	CEIVF I	
			For Comm	,										~ ~ ~ ~	
			For Comm	แรรเป							Chec	ked by	DE	C0320	

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 Thiessen 2-13
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.
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 0.3 2010