

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(3	See Instruct	ions on Re	verse Side	)		•	
Open Flow Deliverabilty				Test Date	Test Date: API No. 15							
	~	.y 			5/23/12				15-0	75-20531-		At-II bl b
Company Chesape		oera	ating, Inc.				Lease Wood					Well Number 5A-29
County Location Hamilton C NW				1	Section 29				RNG (E/W) 40W		Acres Attributed	
Field Bradshaw				Reservoir Chase			Gas Gathering Conn DCP Midstream Ma					
Completion Date 4/25/1994				Plug Back 2400'	Total Dept	h	Packer Set at					
Casing Size Weight 4 1/2" 10.5#				Internal D	iameter	Set at 2378'		Perforations 2334'		то 2344'		
Tubing Size Weight 2 3/8" 4.7"				Internal D	iameter	Set at 2373'		Perforations		То .		
Type Completion (Describe) Single - Gas				Type Fluid Water	d Production	า	Pump Unit or Traveling Yes. Pump Unit.			g Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Annulus				% C	arbon Dioxi	de	% Nitrogen			Gas Gravity - G <sub>g</sub>		
Vertical D 5250'	epth(H)			<del>inalia de la constancia de</del>		Pres	sure Taps		······································		(Meter F	Run) (Prover) Size
Pressure Buildup: Shut in 5/22				0_12_at_7:	MA 00	(AM) (PM)	AM) (PM) Taken 5/23		20	12 at 7:00 Al	M (AM) (PM)	
Well on L	ine:	S	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-i	inHours
Static / Dynamic	Orifice Size (inches)		Circle one: Meter Prover Pressure	Pressure Différential in	Flowing Temperature t	Well Head Temperature t	Casing Welihead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_2)$		Duration (Hourș)	Liquid Produced (Barrels)
Property	(mone.	<u>"</u>	psig (Pm)	Inches H <sub>2</sub> 0		``	psig	psia	psig	psia		
Shut-In Flow			······				107	121.4	82	96.4	24 hrs.	
			<u> </u>	1	l	FLOW STE	LEAM ATTR	IBUTES				1
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact  ✓ P <sub>m</sub> xh F <sub>e</sub>		rity Flowing Temperature		Deviation Factor F <sub>pv</sub>		Metered Flov R (Mcfd)	v GOR (Cubic Fee Barrel)	I Gravity I
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO	OW) (DELIV		') CALCUL P <sub>c</sub> - 14.4) +		:		<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		oose formula 1 or 2:  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ I of divide by: $P_c^2 - P_w^2$ LOG of formula 1. or 2. 2. and divide by:		P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				,				·				
Open Flow		Mcfd @ 14.6			.65 psia	5 psia		Deliverability			Mcfd @ 14.65 psi	a
<u>-</u>		ned	authority on		<del></del>	states that h		······································	o make the		rt and that he ha	
			n, and that said						day of			, 20 12 .
			Witness (if a	iny)	· · · · · · · · · · · · · · · · · · ·		-			For	Company	RECEIV
						······						11 1k1
			For Commis	sion						Che	cked by	1 1 MUL
												JUN 1 1 KCC WICH

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating Inc.
	t the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
of equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Wood 5A-29
	I 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
	ther 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: _J	une 8, 2012
	Signature: Matha Jewou

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
JUN 1 1 2012
KCC WICHITA