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

Type Test:	:				6	See Instruct	ions on Re	verse Side	)			
Open Flow					Tool Date	Tool Date: ADI No. 15						
Daliceschille					Test Date: API No. 15 7/27/2011 -18					99-20858 - 🔾		
Company Chesapeake Operating Inc.					Lease Grant Morrell				Well Number 1-23			
County Location Stevens NW NW NW				Section 23		TWP 32S			/)	Acres Attributed		
Field				Reservoir	Reservoir Morrow			Gas Gathering Connection OneOk Field Services				
Completion Date				_	Plug Back Total Depth 6323'			Packer Set at				
Casing Size Weight 5.5" 15.5#				Internal C 4.950"	Diameter	Set at 6600'		Perforations 5960'		To 6004'		
				Internal C 2.441"	Diameter	Set at 6254'		Perforations		То		
Type Completion (Describe)					Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Pump Unit				
Single Zn - Gas Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitroge		Gas Gr	Gas Gravity - G	
Annulus Vertical Do						Press	sure Taps				(Meter 1	Run) (Prover) Size
Pressure I	Builđup	: Shut in .	7/27	2	0_11 at_7:	00 AM	(AM) (PM)	Taken_7/	28	20	11 at 7:00 A	.M(AM) (PM)
Well on Li	ine:										at	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Dynamic Size		one: ter 'ressure	Pressure Differential In	Temperature Tempera		Minibood Procours		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig	(PM)	Inches H <sub>2</sub> 0	-		psig 110	psia 124.4	psig 0	psia 14.4	24 hrs	
Flow					_		1,10			* 1. 1	241110	
L		<u> </u>				FLOW STR	EAM ATTR	IBUTES	1			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>g</sub> ) Mcfd		Circle one Meter or Prover Pressure psia		Press Grav Extension Fact  Pmxh F <sub>0</sub>		or	Flowing Femperature Factor F <sub>r1</sub>	erature Fac		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	l Gravity i
(P <sub>c</sub> ) <sup>2</sup> =		; (P	)2 =	:	(OPEN FLO	OW) (DELIV		") CALCUL P <sub>e</sub> - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>e</sub> ) <sup>2</sup> - (P	-	(P <sub>c</sub> )² - (P <sub>w</sub> )	•	ose formula 1 or 2 1. $P_g^2 - P_g^2$ 2. $P_g^2 - P_g^2$ sted by: $P_g^2 - P_g^2$	LOG of formula 1. or 2. and divide	p <sub>2</sub> -p <sub>2</sub>	Slo As	ssure Curve pe = "n" - or signed lard Slope	n x L(	og 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			_		<b>_</b>							
Open Flov				Mcfd @ 14.	65 neia		Deliverat	nility			Mcfd @ 14.65 psi	
<u> </u>		ned author	ty on h		•	tates that h			n maka tha		ort and that he ha	
				report is true			2		_	ptember		, 20 <u>11</u> .
	<u>-</u>							1	2	(De	60	<b>TO</b>
		Wit	ness (if an	y)		_	_			For	Sempany	LEIVED
	•	For	Commissi	on			-			Che	cked by OC	17 2011
											KCC	WICHITA

exempt status ur and that the fore correct to the be of equipment ins t hereby req	der penalty of perjury under the laws of the state of Kansas that I am authorized to request onder Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.  egoing pressure information and statements contained on this application form are true and state of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named. The content of the gas well herein named arounds that said well:
I further agr	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 ee to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.
Date: 9/21/2011	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

OCT 1 7 2011

KCC WICHITA