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

Type Test	t:				(	See Instruc	tions on Re	verse Side	)			
Ор	en Flov	1			Test Date				API	No. 15		
De	liverabi	lty			05/21/20					-20134 -	0000	
Company		Ор	erating, I	nc.			Lease Doerr				2-22	Well Number
County Hamilto	on		Locati C SW		Section 22		TWP 21S		RNG (E/	W)		Acres Attributed
Field Bradsh	aw			7	Reservoir t Rie					nering Conn naw Gas (		
Completion 10/26/1		)				Total Dep	th		Packer S None	et at		
Casing Si			Weigh	nt	Internal E 4.052	Diameter	Set <b>28</b> 4		Perfo	rations 4	то <b>2776</b>	
Tubing Si 2.375	ize		Weigh 4.7#	nt	Internal D 1.995	Diameter	Set 279	at		rations	То	
Type Con		(De				d Productio			Pump Ur	it or Traveling	Plunger? Yes	/ No
Single (		(Ann	ulus / Tubin	g)		arbon Diox	ide		% Nitrog	en		avity - G <sub>g</sub>
Annulus Vertical Depth(H)						Pressure Taps					.760	Run) (Prover) Size
2840	pepin(n	,				Flan	•				3	Hull) (Flovel) Size
Pressure	Buildup	o: §	Shut in05/	20 2	0 13 at 7	:00	(AM) (PM)	Taken_05	5/21	20	13 at 7:00	(AM) (PM)
Well on L	.ine:	5	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orific Size	,	Circle one: Meter Prover Pressi	Pressure Differential ure in	Flowing Temperature t	Well Head Temperature	Wellhead	sing I Pressure P,) or (P <sub>c</sub> )	Wellhe	ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	(IIICIIe	,5)	psig (Pm)	Inches H <sub>2</sub> 0	'	,	psig	psia 31.4	psig 45	psia 59.4	24	
Flow							17	31.4	43	39.4	24	
	<u> </u>	1			L	FLOW STI	LEAM ATT	RIBUTES	1			
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	eient p)		Circle one: Meter or ver Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fac F <sub>s</sub>	tor	Flowing Temperature Factor F <sub>ft</sub>	Fa	riation actor = pv	Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)	I Gravity I
					(							
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	=:	OPEN FL		VERABILIT	P <sub>c</sub> - 14.4) +		:		<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (l or (P <sub>c</sub> ) <sup>2</sup> - (l		(P	(c)² - (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	SI A	essure Curve ope = "n" or ssigned	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				divided by: $P_c^2 - P_w$	2 by:		Sian	dard Slope				, ,
Open Flo	w			Mcfd @ 14.	.65 psia		Delivera	bility		. "	Mcfd @ 14.65 ps	ia
		-	•				•			•	ort and that he ha	
the facts s	stated th	nerei	n, and that s	aid report is tru	e and correc		d this the A			uric	25-311-87(4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	, 20
			Witness	(if any)						For	Сотралу	
			For Comr	nission			JUL 0	<u> 2013</u>	-	Che	ecked by	
							REC	EIVED				

I de	clare 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 t	o the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.  reby request a one-year exemption from open flow testing for the
	on the grounds that said well:
	(Objections)
	(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
	To flot dapasie of producing at a daily fate in excess of 250 files/2
l fur	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.
Juli uo	
otan do	207.00.40
	5/25/2013
	6/25/2013
	6/25/2013
Date: <u>0</u>	6/25/2013
	6/25/2013
	Signature Jam Cichardos

## 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 confidence of annual test results.

JUL 0 1 2013

**RECEIVED**