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

Type Tes	t:				(	See Instruc	tions on Re	verse Side	)				
Open Flow					Total Date	Test Date:				No. ae			
✓ Deliverabilty						Test Date: 6/19/2014			API No. 15 <b>15 18</b> -081-21445 <b>- 0000</b>				
Company Chesapeake Operating, L.L.C.						Lease <b>Brenna</b> n			Well Number 2-24				
County Location Haskell SE NE SE				Section 24	-	TWP 29S		RNG (E/W) 33W		Acres Attributed			
					Reservoir Atoka / Cherokee / Morrow			Gas Gathering Connection Chesapeake Energy Marketing					
•				Plug Bac 5,470'	Plug Back Total Depth 5,470'			Packer S	et at				
Casing Size Weight 5.5 15.50				Internal 0 4.950	Diameter	Set at 5,620'		Perforations 5,072'		то 5,350'			
Tubing Size Weight 2.875 6.50				Internal I	Diameter	Set at 5,404'		Perforations		То			
				Type Flui	Type Fluid Production Oil/Water			Pump Unit or Traveling Plunger? Yes / No Pump Unit					
Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitrog		Gas G	Gas Gravity - G <sub>g</sub>		
Annulus Vertical E 5,602'		1)	<del></del>			Pres	sure Taps				(Meter	Run) (P	rover) Size
	Buildu	p: {	Shut in 6/1	9 2	0 14 at		(AM) (PM)	Taken_6/	20	20	14 at		—- (AM) (PM)
Well on Line:			Started	2	20 at		(AM) (PM) Taken		20		at	(AM) (P <b>M</b> )	
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in_24	Hours
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressi	1	Iferential Flowing V		Well Head Temperature t  Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>a</sub> )		Duration Liquid Pro		id Produced (Barrels)
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 60	74.4	psig 16	30.4	<u>.</u>	+-	
Flow													
				·	<del></del> -	FLOW STE	REAM ATTE	RIBUTES					,
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> x h	Extension Faci		tor Temperature		Deviation Metered Fit Factor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Fe Barrel)	eet/	Flowing Fluid Gravity G <sub>m</sub>
								_					
(P <sub>c</sub> ) <sup>2</sup> =			(P )² =	::	•	OW) (DELIV		<mark>/) CALCUL</mark> P <sub>o</sub> - 14.4) +		:		) <sup>2</sup> = 0.2	207
(P <sub>o</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>o</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>o</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>	1. P <sub>0</sub> <sup>2</sup> -P <sub>2</sub> LOG of formula 1 or 2. 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> and divide		Backpressure C Slope = "n" or P 2 P 2 Assigned		ve n x LOG		Antilog		pen Flow liverability s R x Antilog (Mcfd)
				divided by: Pc2 - Pw	2 by:		Siant	dard Slope				<u> </u>	
												<u> </u>	
Open Flo	w			Mcfd @ 14.	.65 psia		Deliveral	ollity		_	Mcfd @ 14.65 ps	ıa	
		_	•	n behalf of the aid report is tru			-				ort and that he ha		vledge of
ine racio e	Jiaioo I		n, and mar o	ara raport to tra	o and como				au, o. <u> </u>				
			Witness (	If any)	<del></del>		WICH			For	Company		
			For Comm	nission		MAR	20 201	5		Che	cked by		
						RE	CEIVE	D					i

exempt status under Rule K.A.R. 82-3-3 and that the foregoing pressure inform correct to the best of my knowledge and	under the laws of the state of Kansas that I am authorized to request 304 on behalf of the operator Chesapeake Operating, L.L.C. nation and statements contained on this application form are true and d belief based upon available production summaries and lease records upon or upon use being made of the gas well herein named.
• •	otion from open flow testing for the Brennan 2-24
gas well on the grounds that said well:	(exemption year 2015)
is on vacuum at the is not capable of pro	r lift due to water al gas for injection into an oil reservoir undergoing ER present time; KCC approval Docket No oducing at a daily rate in excess of 250 mcf/D at of my ability any and all supporting documents deemed by Commission
KCC WICHITA MAR 2 0 2015 RECEIVED	Signature: Katie A. Wright, Regulatory Analyst

## 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.