## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side) Type Test: Open Flow Test Date: API No. 15 Deliverabilty 077-01000 - 0001 8/31/2012 Well Number Company Lease Brummer, Joe "A" 1-2 Chesapeake Operating, Inc. County TWP RNG (E/W) Acres Attributed Location Section C NW SE 9W Harper 2 **31S** RECEIVED DEC-0 3 2012 KCC-WICHITA Gas Gathering Connection Field Reservoir OneOk Energy Services Spivey-Grabs Mississippian Packer Set at Completion Date Plug Back Total Depth 1/14/60 4473 Casing Size Weight Internal Diameter Set at Perforations То 4.090 4485 4458 4470 4.5 9.5 Tubing Size Weight Internal Diameter Set at Perforations То 2.375 4.7 1.995 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No Water Pump Unit Single Gas Gas Gravity - G. Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Annulus Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size 4486 20 12 at 11 20 12 at 11 (AM) (PM) Taken. 9/1 Pressure Buildup: Shut in Well on Line: \_\_\_ 20 \_\_\_ at \_\_\_\_ (AM) (PM) Taken \_\_\_\_\_ 20 \_\_\_ at \_\_\_\_ (AM) (PM) Started . **OBSERVED SURFACE DATA** Duration of Shut-in Hours Circle one: Pressure Casing Tubing Static / Orifice Flowing Well Head Liquid Produced Meter Differential Wellhead Pressure Wellhead Pressure Duration Temperature Temperature Dynamic Siza (Hours) (Barrels) Prover Pressure (P, ) or (P, ) or (P, $(P_*)$ or $(P_1)$ or $(P_c)$ Property (inches) psig (Pm) Inches H,0 psiq osia osia psia Shut-In 65 79.4 14.4 24 Flow **FLOW STREAM ATTRIBUTES** Circle one: Flowing Flowing Plate Press GOR Gravity Metered Flow Deviation Meter or Temperature Fluid Coeffiecient Extension Factor Factor (Cubic Feet/ (F<sub>b</sub>) (F<sub>p</sub>) Mcfd Prover Pressure Gravity Factor √ P<sub>x</sub>h F (Mcfd) Barrel) psia F., G. (OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_a)^2 = 0.207$ $(P_e - 14.4) + 14.4 =$ $(P_d)^2 =$ Backpressure Curve Open Flow (P\_)2 - (P\_)2 (P\_)2 - (P\_)2 1, P.2 . P.2 LOG of Slope = "n" Deliverability n x LOG tormuta Antilog ---- Of----2. P2. P2 Equals R x Antilog (Pa)2- (Pa)2 Asslaned P 2 - P 2 (Mcfd) Standard Slope rided by: P\_2 - P\_2 Mcfd @ 14.65 psia Mcfd @ 14.65 psia Open Flow Deliverability The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 30 day of November . 20 12 Witness (if any) For Company

For Commission

Checked by

## DEC 0 3 2012

	KCC WICHITA
	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request nder 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
correct to the be	est of my knowledge and belief based upon available production summaries and lease records
of equipment ins	stallation and/or upon type of completion or upon use being made of the gas well herein named.
	guest a one-year exemption from open flow testing for the Brummer, Joe "A" 1-2
gas well on the	grounds that said well:
(Che	ck one)
, certain	is a coalbed methane producer
<u> </u>	is cycled on plunger lift due to water
<u> </u>	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
<u> </u>	
I further agi	ree 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: 11/30/20	12
Date: _1 1/30/20	
	Signature: altha Devote
	Title: Aletha Dewbre, Regulatory Specialist
	Title,

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 catendar 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.