## فرع المري

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

Type Test	:		•	• • • • • • • • • • • • • • • • • • • •	(	See Instruc	tions on Re	verse Side	) )	,		
Open Flow Deliverabilty				Test Date 8/23/20			API No. 15 095-00773 <b>- 0000</b>					
Company		<u></u>	oroting Inc		0,20,20		Lease	othor A				Well Number
Chesapeake Operating, Inc.  County Location				Section	TWP	Fairbrother A  TWP RNG (E/W)			Acres Attributed			
Kingman 1650' FNL & 990' FEL			11		30S		8W Gas Gathering Co		· ·			
Field Spivey Grabs				Reservoir <b>Misissi</b>					nering Conne Gas Servic		REC	
Completion Date 9/13/57			Plug Bac 4204	k Total Dep	th	Packer Set at None		et at		DEC (		
Casing Size Weight 5 1/2 14#			Internal E 5.012	Diameter		Set at 4225		rations	то 4149	DEC U		
Fubing Size Weight 2 3/8" 4.7#			Internal E 1.995"	Diameter	Set :			rations	То			
Type Completion (Describe) Single Gas			Type Fluid Production Water			Pump Unit or Traveling Yes - Pumping Ur				/ No		
	Thru	(Anr	nulus / Tubing)			arbon Diox	ide		% Nitrog		Gas Gravity - G <sub>g</sub>	
Vertical E		)				Pres	sure Taps				(Meter F	Run) (Prover) Size
	Buildup	): {	Shut in 8/23	2	0_12 at 7		(AM) (PM)	Taken_8/	24	20	12 <sub>at</sub> 7	(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in Hours
Static / Orifice Dynamic Size Property (inches)			Circle one:  Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	I Flowing Well Hea		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			p3/g (1 ///)	mones ri <sub>2</sub> 0			109	psia 123.4	psig 10	24.4	24	
Flow			-									
						FLOW STE	REAM ATTE	IBUTES	· · · · · · · · · · · · · · · · · · ·	*		
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Temperature		eviation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>
					(OPEN FL	OW) (DELIV	/ERABILITY	) CALCUL	ATIONS		(P <sub>2</sub> ) <sup>2</sup>	?= 0.207
(P <sub>e</sub> ) <sup>2</sup> =		. :		<u> </u>	P <sub>d</sub> =	-	% (1	<sub>c</sub> - 14.4) +	14.4 =	:	(P <sub>a</sub> ) <sup>2</sup>	
(P <sub>c</sub> ) <sup>2</sup> - (I	-	(P	(c) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ ided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slo As	ssure Curve pe = "n" - or signed lard Slope	l n v i	.og [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 psi	a
			I authority, on				-				rt and that he ha	s knowledge of, 20 12
			Witness (if a	ny)			. •			For C	Company	
	***************************************		For Commiss	ion		•	-			Chec	ked by	<del></del>

## **KCC WICHITA**

	KCC WICHIA
	r penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	er Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
and that the foreg	oing pressure information and statements contained on this application form are true and
correct to the best	of my knowledge and belief based upon available production summaries and lease records
of equipment insta	llation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	st a one-year exemption from open flow testing for the Fairbrother A 1-11
	ounds 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
$\checkmark$	is not capable of producing at a daily rate in excess of 250 mcf/D
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 11/30/2012	
	Signature: Altha Devote
	Title: _Aletha Dewbre, Regulatory Specialist

## 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.