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

Type Test	: en Flo	w	•			(	See Ins	truct	ions on Re	verse Side	e)						
Deliverabilty						Test Date						I No. 15 5-00773	- ቤዕ	ណ			
Company Chesapeake Operating, Inc.									095-00773 <b>- 0 090</b> Lease Well Number Fairbrother A 1-11							ımber	
County Location Kingman 1650' FNL & 990' FEL					Section 11			TWP		RNG (E	RNG (E/W)				Attributed		
Field Spivey Grabs				Reservoir Misissippi				Gas Gathering Co Pioneer Explorat				อก					
Completion Date 9/13/57				Plug Back Total Depth 4204			n Packer Se <b>None</b>										
Casing Si 5 1/2	asing Size Weight 1/2 14#				Internal Diameter 5.012			Set at <b>4225</b>		Perforations 4083			то 4149				
Tubing Si 2 3/8"					Internal Diameter 1.995"			Set at 4185		Perforations			То				
Type Completion (Describe) Single Gas				Type Fluid Production Water			Pump Unit or Ti Yes - Pump				veling Plunger? Yes / No ng Unit						
Annulus	3		nulus / Tubir	ıg)		% C	arbon [	Dioxio	de		% Nitro	gen		Gas Gr	avity - (	3,	
Vertical D 4230'	epth(F	1)						Press	sure Taps					(Meter	Run) (P	rover) Size	
Pressure	Pressure Buildup:			Shut in 9/27 20			13 at 7			(AM) (PM) Taken 9/28		20 10		13 at 7		(AM) (PM)	
Well on Li	ine:		Started		20	) at			(ÁM) (PM)	Taken		:	20	_ at		(AM) (PM)	
							OBSE	RVE	D SURFAC	E DATA			Du	ration of Shut-	in	Hours	
Static / Dynamic Property	c Size		Circle one:  Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	tn								109	123.4	10	24.4	2	24			
Flow						·											
							FLOW	STR	EAM ATTR	IBUTES				1			
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension Pmxh	1	Gravity Factor F <sub>g</sub>		Flowing emperature Factor F <sub>II</sub>	i Deviation		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
										, ]							
(P <sub>c</sub> )² =		_;	(P <sub>w</sub> )² :	=	=	(OPEN FLE			<b>ERABILITY</b> % (F	) CALCUL P <sub>e</sub> - 14.4) +	_	:		(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.2 <sup>2</sup> =	07	
(P <sub>e</sub> ) <sup>2</sup> - (F or (P <sub>e</sub> ) <sup>2</sup> - (F		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		;	1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> LOG 1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> tom 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 1. or and di by		f		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG			Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	l				Mcfd @ 14.6	55 psia	-7		Deliverab	oility			Mcf	d @ 14.65 psi	ia_		
													port a	nd that he ha	ıs know	ledge of	
he facts st	tated ti	nerei	n, and that s	aid	report is true	and correct	t. Exec	uted	this the 18	8	day of _	October			,	20 <u>13</u> .	
			Witness	(if any	<i>(</i> )				_			F	or Comp	KANSAS	CORPO	CEIVED RATION COM	
			For Corns	nissio	חפ			_	-			С	hecked	by	<del>OCT</del>	<del>2 3 201</del> 3	

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•	alty of perjury under the laws of the state of Kansas that I am authorized to request
	e K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
	pressure information and statements contained on this application form are true and
_	knowledge and belief based upon available production summaries and lease records
• •	and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a o	ne-year exemption from open flow testing for the Fairbrother A 1-11
gas well on the grounds	that said well:
(Check one)	
isac	oalbed methane producer
is cyc	cled on plunger lift due to water
is a s	ource of natural gas for injection into an oil reservoir undergoing ER
is on	vacuum at the present time; KCC approval Docket No.
is no	t capable of producing at a daily rate in excess of 250 mcf/D
<del></del>	
I further agree to su	pply to the best of my ability any and all supporting documents deemed by Commission
-	rroborate this claim for exemption from testing.
•	,
40/40/00/0	
Date: 10/18/2013	·
	Signature: Durn & Chandron
	Title: Dawn Richardson, Associate 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 size be signed and dated on the front side as though it was a verified report of annual test results KANSAS CORPORATION COMMISSION