## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	i: en Flo				(	aee mstruc	tions on Rev	188 DIGE	7)				
	liverab				Test Date					No. 15	2442		
	_	,			8/20/20	<u> </u>	1		15-0	)95-00773 <i>-</i>		Mall Number	
Company Chesapeake Operating, L.L.C.						Lease Fairbrother A					1-11	Well Number 1-11	
County Location Kingman 1650 FNL & 990 FEL				Section 11				RNG (E/N	W)		Acres Attributed		
Field Spivey	Grab	s			Reservoir Misissi					ering Conn Exploration			
Completion Date 9/13/57				Plug Bac 4204	Plug Back Total Depth 4204			Packer Set at None			-		
Casing S 5.5	ize		Weigh 14	n <b>t</b>	Internal I 5.012	Diameter		Set at 4225		Perforations 4083		то 4149	
Tubing Si 2.375	ize		Weigh	nt	Internal Diamete 1.995		Set at 4170		Perforations		То		
				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes - Pumping Unit					
Producing	7 Thru	(Anı	nulus / Tubin	g)	% C	arbon Diox	ide		% Nitroge	en	Gas Gr	avity - G <sub>g</sub>	
Annulus		<b>1</b>	1		· · · · ·		T				/Motor	Dunt (Dravert Class	
Vertical D 4230	epin(F	1)				Pres	ssure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in 8/1	92	o_15_at_8	:00	. (AM) (PM)	Taken_8/	20	20	15 at 8:00	(AM) (PM)	
Well on L	ine:		Started	. 2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	ED SURFACI	DATA			Duration of Shut-	in 24 Hours	
Static / Dynamic	Orifi Siz	е	Circle ane: Meter Prover Press	Pressure Differential in	Flowing Temperature		Casi Wellhead (P <sub>w</sub> ) or (P	Pressure	Wellhea	ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Property	(inch	es)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig	psia	psig	psia	- '	ļ	
Shut-In							120	134.4	35	49.4	24		
Flow					,				· _				
				-	<del></del>	FLOW STI	REAM ATTR	BUTES					
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ent Meter of Prover Pre		Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Gravity Factor Fo		Flowing Devia Temperature Factor F <sub>11</sub>				w GOR (Cubic Fe Barrel)	I Gravity	
				<u> </u>			_						
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )² =	:	(OPEN FL	, ,	VERABILITY % (F	CALCUL 2 - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_u^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2. and divide		Backpre: Stop	ssure Curve te = "n" or signed ard Slope	, n v I	og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					<del> </del>								
Open Flow Mcfd @ 14.6			65 psia	5 psia Deliverability			Mcfd @ 14.65 psia						
•		iana	d authority o			states that I		i	o make th	e above rend	ort and that he ha		
				aid report is true					day of O		ort and that he he	, <sub>20</sub> <u>15</u>	
				-			ICHITA						
			Witness (	if any)		OCT 2 6 2015			ForCompany				
			ForCom	nission	-		EIVED			Che	cked by		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to rec									
exempt	status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C.								
and tha	t the foregoing 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								
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.								
1 he	reby request a one-year exemption from open flow testing for the Fairbrother A 1-11								
gas wel	on the grounds 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.								
	is not capable of producing at a daily rate in excess of 250 mcf/D								
	<u>v</u>								
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.								
1	<u> </u>								
Dato: 1	0/21/2015								
7ale. <u> </u>									
	Signature: <u>On a Evere M</u>								
	Title: Sara Everett 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.