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

Type Test:				(See	Instructio	ons on Re	verse Side	e)	:				
✓ Open	Flow '			Test Date:				ADIN	lö. 15				
: Delive	erabilty			9/15/2015			8.	15-0	07-22686 <b>-</b>	0000	<del>)</del> .		i :
Company Chesapeal	ke Ope	· erating, L.L.0	<b>5.</b>		•	Lease Brownb	ack				1-7	Well Ņu	mber
County Barber	.,	Locat 330 FS	ion L & 530 FWL	Section 7	•	TWP. 35S	.**	ŔNG (E/V 15W	<u>/</u> )		, .	Acres A	ttributed
Field South Aetr	na '		: .	Reservoir Mississippi	-		1	Gas Gath Atlas	ering Conne	ection	<u> </u>	· :	<del></del>
Completion 3/26/2002		:	<del> </del>	Plug Back Tot 5360	al Depth	9		Packer Se None	t at		<del>.</del>	,	,
Casing Size		Weig	n <b>t</b>	Internal Diame	eter	Set 540		Perfora 5248		*	To 5300	1	<u>,                                     </u>
Tubing Size 2.375	, ,	Weigi 4.7	nt j	Internal Diame	ter	Set . 519	at	Perfora			То	i i	·
Type Compl Single Ga		·· ·	· · · · · · · · · · · · · · · · · · ·	Type Fluid Pro water/oil	duction		; ;;	Pump Unit	or Traveling	Plunger	? : Yes	/ No	· ;
, :-	Thru (Ar	inulus / Tubin	g)	% Carbo	n Dioxid	e		% Nitroge		•	Gas Gr	avity - G	
Vertical Dep				<u>. •</u>	Pressi	ure Taps	<u> </u>	•				Run) (Pr	over) Size
5274				• ;	Flang	e ·		<u> </u>	· ·	٠	2.067		11 1
Pressure Bu	uildup:	Shut in 9/1	4 2	0.15 at 8:00	(	 (AM) (PM)	Taken 9/	15	· : 20	15 at_	8:00	, 	AM) (PM)
Well on Line	ə: <sub></sub> .	Started	<u>;</u>	0 at		(AM) (PM)		: '	20	at _	• 1	(	AM) (PM)
		. •	, · · · · ·	OBS	SERVED	SURFAC	E DATA	1		Duration	of Shut-	in 24	Hours
Dynamic	Orifice Size	Circle one: Meter Prover Press	Differential	Temperature Temp	l Head perature	Wellhead	sing Pressure	Wellhead	bing I Pressure P,) or (P <sub>c</sub> )	Dùra		Liquic	Produced
Property (i	(inches)	psig (Pm)		1 2	-t· ·	psig	psia -	psig	psia	: ' '		`	
Shut-In			<u> i :                                    </u>			160	174.4	80	94.4	24			-
Flow	<u>.</u> . *•	-		<u> </u>	::. : · <u> </u>	<u> </u>	<u>.                                    </u>			· · · · · · · · · · · · · · · · · · ·			
			<del></del>	, FLO	т.	AM ATTR	IBUTES	· ·	•	:	<u>· ·</u>	,, -	· -
Plate Coeffiction (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> x h	Gravity Factor F	4 .	Flowing mperature Factor F <sub>11</sub>	l Fa	iation ctor	Metered Flow R (Mcfd)		GOR (Cubic Fed Barrel)		Flowing Fluid Gravity Gravity
		. ,	:		1 1 1 1 1	,		_ :				;	
·				(OPEN FLOW)	DELIVE	RABILITY	) CALCUL	ATIONS		•	(P.)	=∶ 0.20	07.
(P <sub>c</sub> ) <sup>2</sup> =	<u>`</u> :	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =	%	(1	್ಮ +.14.4) +	14.4 = <u> </u>		<u>,                                     </u>		² = <u>;</u>	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>4</sup>	² · (	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> ·	Choose formula 1 or 2 1. Pc - Pa <sup>2</sup>	LOG of	] [		ssure Curve pe = "n"		. [ ]	··	.':		en Flow
· · · or (P_)² - (P_)²	. · · · ·		2. P <sub>c</sub> <sup>2</sup> P <sub>d</sub> <sup>2</sup>	formula 1. or 2. and divide p 2			or signed	n x LC	·	: Anti	ilog		verability R[x Antilog
	<u>.   :</u>	1. 1.	divided by: Pc - Pw	by:	<u>'*</u> ].		lard Slope		L ;: J		· ·,	1. (	Mofd)
:. • • · · · · ·	:		1.		<u>: '.'                                  </u>	· · ·	· · · · · · · · · · · · · · · · · · ·		<u>1. j </u>		<u> </u>		·
· ; ·		<u> </u>	<u> </u>	, , , , , , , , , , , , , , , , , , ,				; ;	· · · ·			<u>                                     </u>	·
Open Flow		·	. Mcfd @ 14.	65 psia	٠.	Deliverat	oility :	- •	<u>:- 1</u>	Mcfd @ 1	14.65 psi	a 🕂 E	<u> </u>
. The unc	dersigne	d authority, o	n behalf of the	Company, states	that he	is duly a	uthorized t	o make the	above repo	rt and th	at he ha	 s knowl	edge of
he facts state	ed there	in, and that s	aid report is true	and correct. Ex	ecuted t	his the 2	0 ,	day of Oc	tober		•	; ,2	<u> 15</u> :.
			· · · · · · · · · · · · · · · · · · ·	KCC W			.   .				•		and the
** .	:	Witness	(if any)	OCT 26	<del></del>		·   . ·		· For C	ompany		·. ::::	······································
:*		<u> </u>	1,	JUI, 20			.				<u> </u>	i, 1,	<del></del> ·

			· •
I declare under penalty of perjury under exempt status under Rule K.A.R. 82-3-304 of and that the foregoing pressure information correct to the best of my knowledge and belief equipment installation and/or upon type of l hereby request a one-year exemption	on behalf of the operator n and statements cont lief based upon availab of completion or upon us	Chesapeake Operating ained on this application le production summaries being made of the gas	g, L.L.C. n form are true and s and lease records
gas well on the grounds that said well:		· · · · ·	<del></del>
(Check one)  is a coalbed methane profile is cycled on plunger lift of the second seco	due to water s for injection into an oi	_	<b>:</b> R
is not capable of produc	ing at a daily rate in ex	cess of 250 mcf/D	emed by Commission
staff as necessary to corroborate this claim	for exemption from te	sting.	•
Date: 10/20/2015		20.0	
s	Signature:	tt, 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.