KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					0	See Inst	tructi	ons on Re	verse Side))						
Ор	en Flo	w				Test Date	Y :				API	No. 15					
De	liverab	ilty				06/11/20						5-20525 -	000	00			
Company Chesa p		e Op	perating, l	nc.					Lease Witt					2-14	Vell Nu	mber	
County Location Hamilton NW SE SE				Section 14				TWP 23S		W)	Acres Attributed			Attributed			
Field Bradsh	aw					Reservoir Winfiel						hering Conn Energy Ser					
				Plug Bac	k Total [Depti	n	Packer Set at									
Casing Size Weight 4.5 10.5				Internal Diameter 4.052			Set a 254		Perforations 2499			то 2518					
Tubing Size 2.375			Weight 4.7			Internal Diameter 1.995			Set at 2541		Perforations			То			
Type Completion (Describe) Single Gas					Type Fluid Production					nit or Traveling Unit	Plui	Plunger? Yes / No					
Producing	g Thru	(Anr	nulus / Tubin	g)			arbon D	ioxic	de		% Nitrog			Gas Gra	ivity - (
Annulus Vertical D 2550		1)					F	Press	sure Taps					(Meter F	lun) (P	rover) Size	
Pressure	Buildu	p:	Shut in 6/1	0	2	0_13_at_7			(AM) (PM)	Taken 06	5/11	20	13	at 7		(AM) (PM)	
Well on Line: S			Started	<u>-</u>	2	0 at	at		(AM) (PM)	(PM) Taken		20) at		(AM) (PM)		
							OBSEI	RVE	D SURFAC	E DATA			Dura	ation of Shut-i	_n _24	Hours	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In			F 3 ()		2				45	59.4	129	143.4	24	4			
Flow																	
							FLOW	STR	EAM ATTR	IBUTES							
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{tt}		Fa	riation actor = _{pv}	Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
						(OPEN FL	OW) (DE	LIVI	ERABILITY) CALCUL	.ATIONS			/D \2	e 0.2	207	
P _c) ² =		_:	(P _w) ² =	=	:	$P_d =$		%	6 (F	_c - 14.4) +	14.4 =	<u> </u>		(P _d) ²			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		;	ose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: LOG of formula 1. or 2. p 2 p 2		,2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG			Antilog E		Open Flow Deliverability Equals R x Antilog (Mcfd)	
															<u> </u>		
Open Flo					Mefel @ 14	65 peia			Deliverat	nility			Mofo	d @ 14.65 psi			
		•	-1 41- · · ·		Mcfd @ 14.	-						· · · · · · · · · · · · · · · · · · ·		-		dada	
		-	•						•				ort ar	nd that he ha		•	
ne racts s	tated t	nerei	in, and that s	aid	report is true	e and correc	t. Exect	uted	this the	<u> </u>	day of			£		₂₀ <u>13</u> C WICH	
			Witness	(if an	у)			_	-			For	Compa		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	, VVICIT	
			For Com	missio	n			_	-			Che	cked b	ру	JUL	<u> 0 1 201</u>	
															R	ECEIVE	

exempt status und and that the fore correct to the bes of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request the Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Increasing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the Witt 2-14
gas well on the gr	ounds that said well:
•	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 eto supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>06/25/2013</u>	
	Signature: Lichardson, Regulatory Technician III

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.

JUL 0 1 2013