Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	t:				('See Instruci	ions on Re	everse Side	e)					
✓ Open Flow					T D				4.0	1 NJ- 4F				
Deliverability				Test Date 6/18/20			API No. 15 15-075-20512 ~ Q Q Q Q							
Company Chesapeake Operating, L.L.C.				*****	<u> </u>	Lease St Columbans				2-12	Well Number 2-12			
County Location Hamilton 1250 FNL & 1250 FWL				Section 12		TWP 22S		RNG (E/W) 41W			Acres Attributed			
Field Bradshaw				Reservoi Winfiel				Gas Gathering Connection OneOk Energy Services		ection rices	KCC MIC			
Completion Date 4/21/1994				Plug Bac 2780	k Total Dept	1		Packer S None			KCC WICH JUN 05 2015 2755 RECEIVED			
Casing Size Weight 4.5 10.5				Internal [4.012	Diameter	Set at 2880		Perfo 273	orations 9	то 2 75 5	To 2755 RECEUCE			
Tubing Size Weight 2.375 4.7				Internal I 1.995	Diameter	Set at 2799		Perfo	prations	То		TIVED		
Type Completion (Describe) Single Gas				Type Flui Water	d Production				mp Unit or Traveling Plunger? Yes					
Producing Thru (Annulus / Tubing) Annulus				% C	Carbon Dioxi	de	% Nitr				Gas Gravity - G _g .761			
Vertical Depth(H) 5550				Pressure Taps Flange						(Meter 2.06		Prover) Size		
				0 14 at 8	<u> </u>	(AM) (PM) Taken 6/18		18	20	14 _{at} 8:00		(AM) (PM)		
Well on L	.ine:	:	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE					Duration of Shu	t-in_24	Hours	
Static / Orific Dynamic Size Property (inches		Prover Pressure		Pressure Differential re in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _f) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_g) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			<u>-</u>		-	<u> </u>	35	49.4	7	21.4	24			
Flow			·			<u></u>								
						FLOW STR	EAM ATTE	IBUTES			-			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Extension Faci		Flowing emperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
				-										
(P _c) ² =		_:	(P _w) ² =	:	(OPEN FLO	OW) (DELIVI %		') CALCUL ⁻ 14.4) +		:		$)^2 = 0.$ $)^2 =$	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	1. P ₂ ² - P ₄ ² LOG of formula 1. or 2. 2. P ₂ ² - P ₄ ² and divide		Backpressu Slope =or Assign Standard		l n x	LOG	Antilog	Op		
	\longrightarrow								-			-		
Open Flow Mcfd @ 14.			65 psia		Deliverability		Mcfd @ 14.65 psia							
		~	•	behalf of the			•			•	t and that he h		•	
-			Witness (if	апу)			-			For Co	отрапу			
			For Commi	ssion			-			Check	red by			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C.
and that 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
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the St Columbans 2-12
gas well on the grounds that said well: (Check one) is a coalbed methane producer is cycled on plunger lift due to water KCC WICHITA JUN 05 2015 RECEIVED
(Check one) JUN 05 202
is a coalbed methane producer
=
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
I further 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.
Date: 5/12/2015
Signature: <u>Kater Unig Lil</u> Title: <u>Katie Wright, Regulatory Analyst</u>

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.