KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(-	See Instructi	ions on Re	everse Side	9)				
	en Flow Iiverabil				Test Date 5/17/20					No. 15 5-20290 —	Ω		
Company		Or	perating, Inc				Lease Wood				5-29	Well Nur	nber
County Hamilto	n	<u>-</u>	Location SW NE		Section 29		TWP RNG (E/W) Acres Attri		tributed				
Field Bradsh	aw				Reservoir Chase	•				hering Conne haw Gas G			
Completic 7/24/19)			Plug Back 2384	k Total Depti	h		Packer S None	Set at			
Casing Si 4.5	ize		Weight 10.5			Internal Diameter 4.052		Set at 2444		rations 3	то 2347		
Tubing Si 2.375			Weight 4.7	Internal Diameter 1.995		Diameter	Set at 2378		Perforations		То		
Type Com	_'	(De	escribe)		Type Flui Water	d Production)		Pump Ur Pump	nit or Traveling Unit	Plunger? Yes	/ No	
-	Thru	(Anr	nulus / Tubing)		% C	arbon Dioxid	de		% Nitrog		Gas G .825	ravity - G	9
Vertical D)				Press Flang	sure Taps		·				over) Size
	Buildup);	Shut in	2	11 at 7		 	Taken_5/	18	20	11 at 7:00	(/	AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(/	AM) (PM)
				· · · · · · · · · · · · · · · · · · ·		OBSERVE	D SURFAC	E DATA			Duration of Shut	-in _24	Hours
Static / Dynamic Property	Orifice Size (inches)		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		Wellhe	Tubing ad Pressure r (P _t) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		,		2			69	83.4	58	72.4	24		
Flow									<u> </u>				
			· · · · · · · · · · · · · · · · · · ·			FLOW STR	EAM ATT	RIBUTES					
Coeffied (F _b) (F	Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: , Meter or over Pressure psia	Press Extension ✓ P _m xh	Extension Fact		emperature Fa		viation Metered Flor actor R F _{pv} (Mcfd)		W GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
(P _c) ² =		:	(P _w) ² =	:	•	OW) (DELIV		Y) CALCUI (P _c - 14.4) -		:	•) ² = 0.20) ² =)7
(P _c) ² - (I or (P _c) ² - (I		(F	P _c) ² - (P _w) ²	oose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n" or		Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)			
Open Flo	w			Mcfd @ 14	.65 psia		Delivera	bility			Mcfd @ 14.65 p	sia	
		gne	d authority, on			states that h			to make t	he above repo	ort and that he h	as knowl	edge of
		-	in, and that said						day of _				20 11 .
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************		Witness (if a	ny)						For	Company	RE(CEIVED
			For Commiss	sion						Che	ecked by	SEP	0 6 201

l de	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request										
exempl	status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.										
	at 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.											
l he	ereby request a one-year exemption from open flow testing for the Wood 5-29										
gas we	ll 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										
l fu	rther 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.										
Data: .	July 8, 2011										
Jaie											
	2 2 0 2										
	Signature:										
	Title: David Wiist, Production Engineer										

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.

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SEP 0.6 2011

KCC WICHITA