KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Re	verse Side	3 <i>)</i>					
□ Ор	en Flo	w			Test Date				ADI	No. 15				
Deliverability					5/17/2011				API No. 15 15-075-20289 - 🖎 - ೦೦					
Company		Оре	rating, Inc.				Lease Wood					Well No 4-3		
County Locat Hamilton SW NE							TWP 24S		RNG (EA	RNG (E/W) 40W			Acres Attributed	
Field Bradshaw				Reservoli Winfield		· · · · · · · · · · · · · · · · · · ·			ering Conn	ection arketing, L.P.				
Completic 6/15/197		te		Plug Back Total De 2380'			th		Packer Se					
· · · · · · · · · · · · · · · · · · ·			Weigh 9.5#	nt	Internal (Internal Diameter		Set at 2440'		Perforations 2351'		т _о 2358'		
Tubing Size 2 3/8"			Weight 4.7#		Internal Diameter		Set at 2360'		Perforations		То	То		
Type Completion (Describe) Single - Gas				Type Fluid Production Water						eling Plunger? Yes / No nit.				
Producing	g Thru		nulus / Tubin	g)	% C	arbon Diox	ide		% Nitroge		Gas G	ravity -	G _e	
Vertical D		1)	<u>-</u>			Pres	sure Taps		<u></u>		(Mete	Run) (F	Prover) Size	
2450' Pressure	Bulldu	ID:	Shut in 5/1	7 2	0 11 at 7	:00 AM	(AM) (PM)	Taken 5/	/18	20	11 at 7:00	AM	(AM) (PM)	
Well on L											at			
						OBSERVE	D SURFAC	E DATA			Duration of Shu	24	hrs. Hours	
Static / Oynamic Property	namic Size		Circle one: Meter Prover Pressi psig (Pm)	Prossure Differential in Inches H,0	Flowing Well He Temperature t		Wallhood Praceura		Tubing Wellhead Pressure (P _w) or (P ₁) er (P ₄) psig psia		Duration (Hours)	Liqu	Liquid Produced (Barrels)	
Shul-In			-				65	79.4	80	94.4	24 hrs.			
Flow														
						FLOW STE	REAM ATTR	RIBUTES						
Plate Coefficient (F _a) (F _p) Mold		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fac F	tor	Flowing Temperaturo Factor F ₁₁		riation actor F _{pv}	Metered Flow R (Mcfd)	W GOF (Cubic if Barre	eet/	Flowing Fluid Gravity G _m	
				l.	(OPEN FL	OW) (DELIV	/ERABILITY) CALCUL	ATIONS		(5)			
(P _e) ² =		_ :_	(P _w) ² =		P _d =		% (P _c - 14.4) +	- 14.4 =	<u> </u>) ² = 0.2 ₀) ² =	:07	
$(P_q)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(P _u) ² · (P _w) ²		Choose formula 1 or 2 1. P _a ² - P _a ² 2. P _a ² - P _a ² avvided by: P _a ² - P _a	LOG of formula 1, or 2, and divide	P. 2 . P. 2	Backpressure Slope = "r		n x L	og [Antilog	De	Open Flow Deliverability Equals R x Antilog (Mctd)	
Open Flor	w		ļ	McId @ 14.	65 psia		Deliveral	bllity			Mcfd @ 14.65 p	sia		
The	unders	lgne	d authority, o	n behalf of the	Company, s	states that h	ne is duly a	uthorized t	o make the		ort and that he I		viedge of	
the facts s	tated t	herei	in, and that s	aid report is true	and correc	t. Executed	this the 8	th	day of Ju	ly	···-	 ,	20 11	
· · ·			Witness (if any)						For (Company	RE	CEIVED	
			For Comm	nission						Chec	cked by			
											•	SEF	06 201	

KCC WICHITA

exempt status und and that the foreg correct to the best of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc. soing 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 Wood #4-30
•	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 at to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: July 8, 201	1
	Signature: 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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