KCC WICHITA

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			•	. (	See Instruc	tions on Re	verse Side	)					
□ Ор	en Flo	w					-							
Deliverability				Test Date: 8/7/2010				API No. 15 075-20340 <b>00</b>						
Company Chesapeake Operating, Inc.					Lease F <b>ederal</b>				1-32	Well Number				
County Location Hamilton C-NW NW NW				Section 32				RNG (E/W) 40W			Acres Attributed			
Field Bradshaw					Reservoir <b>Chase</b>	Reservoir Chase			Gas Gathering Connection Bradshaw Gas Gather				· . ·	
Completic 9/29/19		e			Plug Bac 2395	k Total Dep	th		Packer S None	et at		<del>- '</del>		
				Internal E 4.052			Set at Perf 2445 23		rations	To 2386	то 2386			
Tubing Si	ize		Weigh	nt	Internal [ 1.995	Diameter	Set a 238		Perfo	rations	То			
***************************************				Type Flui Water	Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Pump Unit						
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide			% Nitrog	*		Gas Gravity - G <sub>g</sub>			
Vertical D	-	<del></del>				Pres	sure Taps					Run) (F	Prover) Size	
2450						Flange *					3.06	3.068		
Pressure	Buildu	ip:	Shut in 8/7	2	0 10 at 7	:00	(AM) (PM)	Taken_8/	8	20	10 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 Shu	t-in24	Hours	
Static / Orifice Dynamic Size Property (inches)		e	Circle one: Meter Prover Presso		Flowing Temperature t	Well Head Temperature t	ature $(P_w)$ or $(P_1)$ or $(P_c)$		Tubing  Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 101	psia 115.4	psig 95	109.4	24	4		
Flow		-												
<u> </u>	······	•	:			FLOW STF	REAM ATTR	IBUTES						
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor	1	ation ctor	Metered Flow R (Mcfd)	GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
				<u> </u>								<b></b>		
(P <sub>c</sub> ) <sup>2</sup> =		<u></u> :	(P <sub>w</sub> ) <sup>2</sup> =	·	(OPEN FL		<b>/ERABILITY</b> % (F	) CALCUL <sup>2</sup> c - 14.4) +		:		a) <sup>2</sup> = 0.2	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	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 <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		Backpre Slop  P.2 - P.2 As Stand		nxi	og [	Antilog	De	pen Flow liverability s R x Antilog (Mcfd)	
			34											
								· ·						
Open Flo				Mcfd @ 14.			Deliverab				Mcfd @ 14.65 p			
		•	•	n behalf of the	•		-,			ovember	rt and that he f		20 <u>10</u>	
14013 5	u		, and that s	roport is trut	oone							· · · · ·		
			Witness (	if any)			~			For C	ompany	REC	EIVED	
**************************************			For Comn	nission			-			Chec	ked by	DEC (	3 2010	

	•			•	1
	•				·
· .					
	r penalty of perjury				
exempt status unde	er Rule K.A.R. 82-3-3	04 on behalf of the o	perator Cnesapea	ke Operating, Inc.	
and that the forego	oing pressure inform	ation and statemer	nts contained on thi	is application form	are true and
correct to the best	of my knowledge and	d belief based upon	available productio	n summaries and	lease records
• •	lation and/or upon ty	•	•	•	erein named.
I hereby reque	st a one-year exemp	tion from open flow	testing for the Fed	eral 1-32	
gas well on the gro	unds that said well:				
				•	
(Check o	one)				<u> </u>
	is a coalbed methan	e producer			
	is cycled on plunger	lift due to water	,		
	is a source of natura	al gas for injection ir	nto an oil reservoir u	ındergoing ER	
	is on vacuum at the	present time; KCC a	approval Docket No.		
$\checkmark$	is not capable of pro	oducing at a daily ra	te in excess of 250	mcf/D	
		•			4
I further agree	to supply to the bes	t of my ability any a	nd all supporting do	ocuments deemed	by Commission
staff as necessary	to corroborate this o	claim for exemption	from testing.		
			•	•	Ç T
Date: November 1	2010		•		
Jale				•	
			· · · · · · · · · · · · · · · · · · ·		
			$\sim$		
		Signature: /	$>$ $\cdot$	X //_	<del>-</del>
		Title: Dav	rid Wiist - Productio	n Engineer	
	2	. '	+		+ .

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.

RECEIVED
DEC 0 3 2010