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

Type Test	t:				6	See Instru	ctions on Re	everse Side	»)						
Op	en Flo	N			T 0				4.01	No de					
De	liverab	lty			Test Date 8/2/201					No. 15 075-20697	$- \alpha \alpha \alpha \dot{\alpha}$	$\mathcal{O}$			
Company		per	ating, Inc.				Lease Thurow	,			2-1	Well Nun	nber		
County Location Hamilton N/2 SE SW		Section 11		TWP 23S			W)		Acres Attributed						
Field		Reservoir Chase	,				hering Conn beake Energ	ection yy Marketing, Inc.							
Complete 2/8/1999		9			Plug Bac 2615'	k Total De	pth		Packer S	Set at					
Casing S 4 1/2"	ize		Weight 10.5#	<u>.</u>	Internal E	Diameter	Set 263		Perfo 255	rations 1'	To 257	'1'			
Tubing Si 2 3/8"	ing Size Weight			Internal Diameter			Set at 2624'		rations	То	То				
Type Completion (Describe) Type Fluid Production Single - Gas Vater Pump Unit or Traveling Plung Yes. Pump Unit.			Plunger? Y	es / No											
			nulus / Tubing)			arbon Dio	xlde		% Nitrog	<u> </u>	Gas	Gravity - G			
Annulus	\$								_			- '	•		
Vertical D	epth(F	1)				Pre	ssure Taps				(Met	ter Run) (Pro	over) Size		
	Buildu	p: :	Shut in 8/2	2	0_11_at_7	MA 00:	(AM) (PM)	Taken_8/	3	20	11 at 7:00	) AM (A			
Well on L	.ine:	;	Started	2	0 at		_ (AM) (PM)	Taken		20	at	( <i>F</i>	M) (PM)		
						OBSERV	ED SURFAC	E DATA			Duration of Sh	hut-in 24	Hours		
Static / Dynamic	Orlfi Size	9	Circle one: Meter Prover Pressur	Pressure Differential			Wellhead	sing d Pressure P,) or (P,)	Wellhe	Tubing ead Pressure r (P <sub>1</sub> ) or (P <sub>6</sub> )	Duration (Hours)		Produced arrels)	ıced	
Property Shut-In	(inch	98)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig 85	99.4	psig 56	70.4	24 hrs		200		
Flow					<del></del>		00	33.4	30	70.4	241113		RECEIVE E <del>P 2 3</del> 2	ED	
	<u> </u>					FLOW S1	REAM ATT	RIBUTES			<u> </u>	<u> </u>	P 2 3 2	2011	
Plate Coeffice (F <sub>b</sub> ) (F	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac	lor	Flowing Temperature Factor F <sub>f1</sub>	Fa	riation actor F	Metered Flo R (Mcfd)	(Cubic	OR KC( C Feet/ (rel)	WALCH Gravity G	ITA	
												•			
					(OPEN FL	OW) (DEL	IVERABILIT	Y) CALCUL	ATIONS		(	$(P_{\bullet})^2 = 0.20$	17		
(P <sub>e</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =_	:	P <sub>d</sub> =		_% (	P <sub>c</sub> - 14.4) +	14.4 = _	<del></del> ;	(	(P <sub>d</sub> ) <sup>2</sup> =			
(P <sub>a</sub> ) <sup>2</sup> - ( or (P <sub>a</sub> ) <sup>2</sup> - (	-	(F	P <sub>a</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>a</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> Wided by: P <sub>a</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	Backpressure Curve Slope = "n"  1. or 2. and divide p 2. p 2  Assigned  Backpressure Curve Slope = "n"  n x LOG  Antilog  Antilog  Antilog  Antilog  Antilog  Antilog  Antilog		en Flow verability R x Antilog Mcfd)								
						<u>_</u>	-	· ·							
Open Flo	w			Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65	psia			
		•	d authority, on				•			he above repo	ort and that he		edge of 0 <u>11                                   </u>		
			Witness (if	eny)				<del>\</del>	M	For	Company		<del></del>		
			For Commit	ssion						Che	cked by				

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.
and that the foregoerect to the best of equipment instance.  I hereby requ	going pressure information and statements contained on this application form are true and tof 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

## 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.