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

Type Test	i:				(	See Instruc	tions on Re	verse Side	)				
Ор	en Flo	w			Test Date				A DI	No. 15	_		
De	liverab	ilty			6/20/20					081-21499	-000C	)	
Company Chesape		Oper	rating, Inc.	•			Lease MLP Bi	ack				Well No 4-2	umber
County Location Haskell SE SW			Section 2			TWP 30S	. , ,		W)	Acres Allributed			
Field South Eubank				Reservoir Chester			Gas Gathering Connec Panhandle Field Sen				-		
Completion Date 11/14/2003				Plug Back Total Depth 5504'				Packer Set at					
Casing Size 5 1/2"			Weight 15.5#		Internal Diam		er Set at 5600'		Perforations 5381'		т <sub>о</sub> 5389'		···
Tubing Size 2 7/8"			Weight 6.5#		Internal Diameter		Set at 5420'		Perforations		То		<del></del>
Type Con Single 2			escribe)		Type Flui	d Productio				nit or Traveling	Plunger? Yes	/ No	
Producing	g Thru		nulus / Tubing	)	% C	arbon Diox	ide		% Nitrog		Gas G	ravity -	G <sub>0</sub>
Annulus Vertical D 5606'		H)	111 E		· · · · · · · · · · · · · · · · · · ·	Pres	ssure Taps				(Meter	Run) (F	Prover) Size
Pressure	Buildu	ıp:	Shut in 6/20	. <del></del>	0 10 at 8	:00 AM	. (AM) (PM)	Taken_6/	21	20	10 at 8:00 A	AM	(AM) (PM)
Well on L	.ine:				0 at		(AM) (PM)	Taken	···	20	at		(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in _24	Hours
Static / Dynamic Property	Siz	Oritice Circle one: Meter Size Prover Pressure psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	lemperature Temper		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>t</sub> )		Tubing Wellhead Pressure {P <sub>w</sub> } or (P <sub>1</sub> ) or (P <sub>0</sub> )		Ouration Li (Hours)		id Produced (Barrels)
Shut-In			pang (,,	mones rigo			psig 18	32.4	psig 1	15.4	24 hrs.		
Flow													
						FLOW STI	REAM ATT	RIBUTES					<del></del>
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Metar or Prover Pressure psia		Press Extension P <sub>m</sub> xh	xtension Fact		tor Temperature		riation actor F <sub>pv</sub>	Metered Flov R (Mcfd)	v GOP (Cubic F Barre	eeV	Flowing Fluid Gravity G <sub>m</sub>
					(OPEN FL	OW) (DELIV	/ERABILITY	r) CALCUL	.ATIONS		l	) <sup>2</sup> = 0.:	207
P <sub>c</sub> )2 =		_:_	(P <sub>x</sub> ) <sup>2</sup> =	;	P <sub>a</sub> =		% (	P <sub>e</sub> - 14.4) +	14.4 =	:		) <sup>2</sup> =	
$(P_e)^2 \cdot (P_a)^2$ or $(P_e)^2 \cdot (P_d)^2$		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		cose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of tormula 2. $P_c^2 - P_d^2$ and divide by:		P.2. P.2	Backpressure Curve Slope = "n" or Assigned Standard Stope		n x	og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	w	<u> </u>		Mcfd @ 14.	.65 psia		Deliveral	bility			Mcfd <b>@</b> 14.65 ps	sia	
		igne	d authority, on			states that I			o make th		rt and that he h		wledge of
		-	in, and that sa										20 10 .
		···-	Witness (if	any)				•		For (	Сотрапу		RECEIN
			For Commi	esion					<u> </u>	Che	cked by		
										31,0	·,		SEP 07

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operatorCheapeake Operating Inc.
and the	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.  ereby request a one-year exemption from open flow testing for theMLP_Black #4-2
	li 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 Commiss
staff as	necessary to corroborate this claim for exemption from testing.
Date: 4	August 9, 2010
	Signature: 1 1 1 2 1
	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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**KCC WICHITA**