KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

· · ·	en Flow							e)				
L				Toot Date	٠.			۸۵	U No. 15			
Deliverabilty				Test Date: 9/22/2010				API No. 15 075-20244-				
Company Chesapeake Operating, Inc.					Lease Cheatum				Well Number 4-15			
County Location Hamilton C SW NE			Section 15		TWP 22S	, ,		E/W)	Acres Attributed			
Field Bradshaw					Reservoir Chase				Gas Gathering Connection OneOk Energy Services			
Completion Date 7/18/1978				Plug Bac 2690	Plug Back Total Depth 2690			Packer Set at None				
Casing Siz 4.5	Casing Size Weight 10.5			Internal (4.052	Diameter		Set at 2736		orations)8	.то 2618		
Tubing Siz 2.375	ubing Size Weight 2.375 4.7			Internal I 1.995	Diameter		Set at 2660		orations	То		
Type Completion (Describe) Single Gas				Type Flui Water	d Produ	ction	Pump Unit or Traveli Pump Unit			g Plunger? Yes / No		
Producing Annulus		Annulus / Tub	ing)	% (Carbon D	ioxide		% Nitro	gen	Gas G	ravity - G _g	
Vertical De	epth(H)				F	ressure Taps				(Meter	Run) (Prover) Size	
Pressure E	Buildup:	Shut in _9/	/22	20_10_at_7	:00	(AM) (PM)	Taken 9/	/23	20	10 at 7:00	(AM) (PM)	
Well on Lir	ne:	Started		20 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSE	RVED SURFAC	E DATA			Duration of Shut	-in 24 Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one Meter Prover Pres psig (Pm	Differential in	Flowing Well Temperature Temp		ture (P _w) or (sing I Pressure P ₁) or (P _c)	(P_w) or (P_1) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		pang (in				psig 31	45.4	30	44.4	24		
Flow												
·		t			FLOW S	STREAM ATTE	RIBUTES					
Plate Coeffiecie (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fac F _s	tor	Flowing Temperature Factor F _{It}	Fa	riation actor F _{pv}	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity	
(P _c) ² =	······································	(P _w)²	=:	OPEN FL		LIVERABILITY	P _c - 14.4) +		:	(P _a) (P _d)	2 ² = 0.207 2 ² =	
(P _c) ² - (P _a or (P _c) ² - (P _d	-	(P _c) ² - (P _w) ² 1.		formula 1 or 2: P 2 - P 2 c d lormula 1. or 2. and divide by: P 2 - P w		Backpresst Slope or Assig Standard		l n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		., .			· · · · · · · · ·							
Open Flow Mcfd @ 14.65 psia						Deliveral	Deliverability Mcfd @ 14.65 psia					
	_	•	on behalf of the	, ,				_	he above repo	rt and that he ha	as knowledge of, 20 <u>10</u>	
		Witness	(if any)	•			· · · · · · · · · · · · · · · · · · ·	<u></u>	For C	Company	RECEN	
						····				ked by	DEC 06	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	t 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
	to the best of my knowledge and belief based upon available production summaries and lease records
-	pment 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 the Cheatum 4-15
	eleby request a one-year exemption from open how testing for the
yas we	of 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	s necessary to corroborate this claim for exemption from testing.
Date: _	November 15, 2010
	Signature:

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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