KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Ins	truci	tions on Re	verse S	Side))						
✓ op	en Flow				Test Date	·					ΔĐI	No. 15					
Deliverabilty			9/16/2014						API No. 15 15-007 - 22931 - 94 00								
Company Chesapeake Operating, L.L.C.					Lease Martha					1-3				Well Number			
County Location Barber 1320 FNL & 1980 FWL			Section 31			TWP 34S			RNG (E/ 15W	W)				Attributed			
Field SOUTH AETNA				Reservoir PAWNE			Gas Gathering ONEOK			•	Connection			C WIC.			
Completion Date 1/19/2006				Plug Bac 4883	th	Packer Set at 4812			iet at				V 05 20.				
Casing Size Weight 5.5 15.5				Internal Diameter 4.950			Set at 5111			Perfor 4834	rations 4	то 4 842			CEIVE		
Tubing Size Weight 2-3/8 4.7				Internal D 1.995	Diamete	Set at 4806			Perforations			То					
Type Completion (Describe) Single Gas					Type Fluid Production				Pump Unit or Travelir				eling Plunger? Yes / No				
Producing Thru (Annulus / Tubing) TUBING				% C	% Carbon Dioxide					% Nitrogen				Gas Gravity - G _g .711			
Vertical Depth(H) 4838					Pressure Taps FLANGE								(Meter 2.067		Prover) Size		
			0_14_at_9	14 at 9:00 (AM) (PM				Taken 9/16 2				at_9:00		(AM) (PM)			
Well on L	.ine:	Started		2	0 at		_	(AM) (PM)	Taken .			20	·	at		(AM) (PM)	
			. 1			OBSE	RVE	D SURFAC				<u></u>	Dur	ation of Shut	-in_24	Hours	
Static / Orifice Dynamic Size Property (inches)		Prover Pres	sure	Pressure Differential in Inches H ₂ 0	Flowing Well F Temperature Temper t t		-	Vellhead (P,) or (F	Pressure () or (P _e)	essure Wellhea		Tubing sad Pressure r (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In		_			. —			0	14.4		400	414.4	24				
Flow		<u> </u>							_		<u> </u>	<u> </u>			<u> </u>		
		•				FLOW	STR	EAM ATTR	IBUTES	3		<u>-</u>	I				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _g		Т	Flowing Temperature Factor	Deviation Factor F _{pv}		ctor	Metered Flo R (Mcfd)		ow GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
												<u></u>					
(P _c) ² =		: (P _w) ²	=	:	(OPEN FLO	OW) (DE	LIVI 9		•		ATIONS 14.4 =	:		(P _a ; (P _a ;) ² = 0	207	
(P _a) ² - (F or (P _a) ² - (F	P _a) ²	(P _e) ² - (P _w) ²		se formula 1 or 2: . P _o ² - P _o ² . P _o ² - P _d ² d by: P _o ² - P _w ²	LOG of formula 1, or 2, and divide by:		2	Backpre Slo	ssure Cu pe = "n"	sure Curve e = "n" or gned		.og []		Antilog	De	pen Flow liverability s R x Antilog (Mcfd)	
	_	:.				_								- -	-		
O 51			<u> </u>	neja Deli			iverability			Mcfd @ 14.65 ps			<u></u>				
Open Flor				Vicfd @ 14.0			_, .	Deliverab									
	-	ned authority, rein, and that						•						of that he ha		-	
		Witnes	(If any)				_	-		_	<u> </u>	For	Compa	ny	· · —		
		For Co-	nmicolor				_	-				<u> </u>	akad L	· · ·			
		For Cor	nmission	1								Che	cked b	у			

I declare under penalty of perjury under the laws of the st exempt status under Rule K.A.R. 82-3-304 on behalf of the opera and that the foregoing pressure information and statements c correct to the best of my knowledge and belief based upon avail of equipment installation and/or upon type of completion or upon I hereby request a one-year exemption from open flow testing gas well on the grounds that said well:	chtor Chesapeake Operating, L.L.C. contained on this application form are true and lable production summaries and lease records use being made of the gas well herein named. In the Martha 1-31
(Check one) is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into a is on vacuum at the present time; KCC appro is not capable of producing at a daily rate in I further agree to supply to the best of my ability any and a staff as necessary to corroborate this claim for exemption from	excess of 250 mcf/D I supporting documents deemed by Commission
Date: <u>5/11/2015</u> Signature:	ight, Regulatory Analyst

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.