KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Re	verse Side	e)			•	
Open Flow				Test Date	Test Date: API No. 15								
Deliverabilty										81-21402 - 0000			
Company Chesape	/ eake ()per	ating, L.L.C				Lease Ellsae	sser			2-23	Well Number	
County Haskell			Locatio 2181 FN	on L & 990 FWL	Section 23		TWP 29S		RNG (E/W) 33W		Acres Attributed		
Field Lemon	NE	•			Reservoir Cheste	r/Morrow	<i>'</i>			hering Conn Energy Ser			
				Plug Bac 5620	Plug Back Total Depth 5620			Packer S	Set at				
Casing Si	ize		Weight 15.5		internal E 4.950	Diameter	Set at 5700		Perforations 4805		то 5369(ОА)		
Tubing Si	ize		Weight	:	Internal Diameter 2.441		Set at 5453		Perforations		То		
Type Con Single (-	ı (De				d Production			Pump Ur Pump	nit or Traveling Unit	Plunger? Yes	/ No	
		(Anr	nulus / Tubing)		% Carbon Dioxide			% Nitrogen		Gas Gravity - G _a		
Annulus													
Vertical D 5700	epth(\) 				Pres	sure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildu	p: :	Shut In _6/19	2	0 14 at 8	:00	(AM) (PM)	Taken 6/	20	20	14 _{at} 8:00	(AM) (PM)	
Well on L	ine:	:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
			-			OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_24Hours	
Static / Dynamic Property	Orifi Siza (inche	3	Clicte one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₅ 0	Flowing Temperature t	Well Head Temperature t	(P _w) or (F	Pressure	Wellhe	Tubing ad Pressure r (P,) or (P _o)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			poig (i m)	Monor (50			psig 16	30.4	psig 2	16.4	24		
Flow	_							•					
-						FLOW STR	EAM ATTR	IBUTES					
Plate Coeffieci (F _b) (F Mcfd	ient ,)		Circle one: Meter or ver Pressure psìa	Press Extension P _m xh	Grav Fact F _s	tor 7	Flowing Femperature Factor F _{II}	Fa	iation ctor pv	Metered Flow R (Mcfd)	(Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
/D \2			(D \2 -		•	OW) (DELIV		•			•	= 0.207	
(P _c)² ==		- '-		Choose formula 1 or 2		<u>^</u>		c - 14.4) + ssure Curve		 :	(P _d) ²		
$(P_{o})^{2} - (P_{a})^{2}$ or $(P_{c})^{2} - (P_{d})^{2}$				 P_c² - P_a² P_c² - P_d² 	2. P _c ² - P _d ² 1. or 2.		Slo p2_p2 As		l n x i	_og	Antilog	Open Flow Deliverability Equals R x Antilog	
	\dashv			livided by: Pc2-Pw	by:	c w	Stand	ard Slope	 			(Mcfd)	
Open Flow	N			Mcfd @ 14.	65 psia		Deliverab	ility			Vicfd @ 14.65 psi	a	
											rt and that he ha	-	
the facts st	tated th	erei	n, and that sa	d report is true	and correct	t. Executed	this the		day of _M	ay	·	, ₂₀ <u>15</u> .	
			IAHIN ##	enul		KANIGA	Receives corporation		SION				
			Witness (if	any/					aon	For C	ompany		
			For Commi	ssion			JUN 29	2015		Chec	ked by		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator		
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for theEllsaesser 2-23 gas well 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	exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator _Chesapeake Operating, L.L.C.
I hereby request a one-year exemption from open flow testing for theEllsaesser 2-23 gas well on the grounds that said well: (Check one)	correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
(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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing. Date: 5/11/2015 Received	•	
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JUN 2 9 2015	KAN	AS CORPORATION COMMISSION Title Katie Wright, Regulatory Analyst
TO VICEDIVATION DIVISION		JUN 2 9 2015
		TO NOTE PLATION DIVISION

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.