KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instruc	tions on Re	everse Side)					
√ Op	en Flo	w				T1 D-1				40	No. 45				
De	liverab	ilty				Test Date 7/7/2014					. No. 15 007-30263 -	0000			
Company		Oper	rating, L.L.	Э.				Lease Morro	w A				Well No	umber	
County Barber		<u> </u>	Locai 5180 F		& 600 FEL	Section 1		TWP 35S		RNG (E.	(W)		Acres /	Attributed	
Field Blunk S	South		-			Reservoir		· · · · · · · · · · · · · · · · · · ·			thering Conn Energy Sen			WIC WIC	
Completic 8/15/66		e				Plug Bac	k Total Dep	oth		Packer 8	Set at			W 05 20	
Casing S			Weig	ht	<u> </u>	Internal D	Diameter	Set 492			rations 4	To 4839	—- 	CC WIC W 05 20 CEIVEL	
Tubing Si 2.375	ze		Weig	ht		Internal E	Diameter	Set 483		Perfo	rations	То			
Type Con Single (n (De					d Productio		-	Pump Ui Pump	nit or Traveling	Plunger? Yes	/ No		
	Thru	(Anr	nulus / Tubin	ıg)		% C	arbon Diox	ide		% Nitrog		Gas Gr	avity -	G _ç	
Vertical D		4}					Pres	sure Taps				/Meter	Bun) (P	rover) Size	
4925		·,										(1110101		101017 0.20	
Pressure	Buildu	p: :	Shut in 7/6	<u> </u>	2	0_14_at_8:	:00	(AM) (PM)	Taken_ <u>7/</u>	7	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_} 24	Hours	
Static / Dynamic Property	Orifi Siz (Inch	е	Circle one: Meter Prover Press psig (Pm)	- 1	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature f	Wellhead (P _w) or (I	sing I Pressure P ₍) or (P _c)	Wellhe	Tubing ad Pressure r (P _t) or (P _a)	Duration (Hours)		id Produced Barrels)	
Shut-In			Prio (m)					psig 14	28.4	psig O	14.4	24			
Flow															
_							FLOW STE	REAM ATTE	RIBUTES						
Plate Coeffiect (F _b) (F Mcfd	ient ,)		Circle one: Meter or ver Pressure psla		Press Extension ✓ P _m x h	Grav Fact F _g	tor	Flowing Temperature Factor F _{IL}	Fa	ation ctor pv	Metered Flov R (Mcfd)	(Cubic Fe	GOR (Cubic Feet/ Barrel) Flowing Fluid Gravity G _m		
												_			
(D)?			/D \2 -	_	•	•	OW) (DELIV		•		•	(P _a)	² = 0.2	:07	
$(P_c)^2 \simeq \underline{\hspace{1cm}}$ $(P_c)^2 - (F_c)^2 - (F_c)^2 - (F_c)^2 - (F_c)^2 = (F_c)^2 - (F_c)^2 - (F_c)^2 = (F_c)^2 - (F_c)^2 = (F$	⊃ _ຄ)²		(P _w) ² =	Choc	ose formula 1 or 2. 1. P _c ² · P _c ² 2. P _c ² · P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo	P _c - 14.4) + essure Curve epe = "n" - or ssigned	n x 1		Antilog	O _l Del Equals	cen Flow iverability B R x Antilog (Mcfd)	
			-	divid	ed by: P _c ² - P _w ²	by:	<u> </u>	Stand	tard Slope					(WCIG)	
Open Flov	N				Mcfd @ 14.	65 psia		Deliverat	Deliverability Mcfd @ 14.65 psia						
			l authority, o									rt and that he ha			
			Witness (if any)		 .	•	<u>-</u>		For C	ompany			
			For Comm	nlasio	n			-	Checked 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 Chesapeake Operating, L.L.C. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records 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 the Morrow A 1-1 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. 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. Signature: Katte Wright, Regulatory Analyst	
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 Signature:	exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
Signature:Katu Wmgm	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
Signature: Katu Wugzy	
	Date: _5/11/2015

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.