KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type/Test	:					(See Instruc	ctions on R	everse Side	e)					
	en Flov	v													
De	liverabi	lty				Test Date 10/6/20					No. 15 3-20962 - (0000			
Company		Or	perating, I	nc.				Lease Herri r	ngton				1-4	Well Nu	
County Location Comanche E/2					Section 4	•	TWP 33S		RNG (E	RNG (E/W) 16W			Acres Attributed DEC 1 0 KCC WICH		
Field Wilmore	<u> </u>					Reservoir						nering Connection Energy Service			DEC 10
Completic 9/29/98		·	,				k Total Dep	oth	Packer Set at None			K			
Casing Si 4.5			Weigh	nt		Internal E	Diameter	Set	at		orations		To 4904		- VVICH
Tubing Size Weight 2.375 4.7				Internal E 1.995	Diameter	Set 487		Perforations			To To				
Type Completion (Describe) Single Gas					d Production			Pump Unit or Traveling F			Plunger? Yes / No				
		(Ann	ıulus / Tubin	α)			arbon Diox	rida :		% Nitrog			Gas Gr	avity - C	2
Annulus		(1111	iulus / Tubiii	9)		, o U				/0 INIIIOĮ	jen		Gas Gi	avity - C	² 9
Vertical D	-)					Pres	ssure Taps					(Meter I	Run) (Pi	rover) Size
5675			•				Flar	nge					2.067		
Pressure	Buildup): S	Shut in 10/	6	2	0_12 at 1	1	(AM) (PM) Taken 1	0/7	20	12 at	11	(AM) (PM)
Well on L	ine:		Started		20	0 at		. (AM) (PM) Taken		20	at		(AM) (PM)
· · · · · · · · · · · · · · · · · · ·							OBSERVI	ED SURFAC	CE DATA	γ		Duration	n of Shut-	in 24	Hours
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Press	ure	Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead	asing d Pressure (P _t) or (P _c)	Wellhe	Tubing ead Pressure or (P ₁) or (P _c)	bling d Pressure Duration Liquid Produc (P_1) or (P_c) (Hours) (Barrels)			
Shut-In	-		psig (Pm)		Inches H ₂ 0			psig 365	379.4	psig 70	94.4	24			
Flow															
							FLOW STI	REAM ATT	RIBUTES					,	
Plate Coeffieci (F _b) (F _I Mcfd	ent ,)		Circle one: Meter or ver Pressure psia		Press Extension ✓ P _m x h	Grav Fact F _g	or	Flowing Temperature Factor F _{f1}	Fa	viation actor F _{pv}	Metered Flo R (Mcfd)	w .	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
	1			-L		(OPEN FLO	OW) (DELI\	/ERABILIT	Y) CALCUL	ATIONS			(P.)	² = 0.2	07
(P _c) ² =		_:	(P _w) ² =	:	:	$P_d = 1$		% ((P _c - 14.4) +	14.4 =	:			2 =	
(P _c) ² - (F or (P _c) ² - (F	_	(P	_c) ² - (P _w) ²	1	se formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ and by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Sie	essure Curve ope = "n" or ssigned dard Slope	n x	LOG	An	tilog	Deli Equals	pen Flow iverability R x Antilog (Mcfd)
				·····											
· · · · · · · · · · · · · · · · · · ·															
Open Flov	·				Mcfd @ 14.0	65 psia		Delivera	bility			Mcfd @	14.65 psi	а	
											ne above repo December				-
			Witness (if any)						For	Company			
			For Comm	nissio	n						Che	cked by			

	KCC WICHITA
Ē	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, Inc
	nd that the foregoing pressure information and statements contained on this application form are true and
	orrect to the best of my knowledge and belief based upon available production summaries and lease records
c	f 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 Herrington 1-4
Ĉ	as well on the grounds that said well:
S	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 taff as necessary to corroborate this claim for exemption from testing.
	Date: 12/7/2012
	Signature: Altha Dembre
	Signature: WWW Sungle
	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.