KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(See Inst	tructi	ions on Rev	verse Side)						
Op	en Flov	W			Test Date	ı <i>•</i>				API	No. 15					
Del	iverabi			06/19/2013					075-20459 - 0000							
Company Chesa p		o Op	perating, In	c.				_{Lease} Miller					2-23	Well Nu	mber	
County Hamilto	n	Location ESENWN		Section 23			TWP 22S		RNG (E/W) 41W			Acres Attributed				
Field Bradsha	aw		,	Reservoir Winfield			Gas Gathering Connecti OneOk Energy Servic						·			
Completion Date 7/13/90					Plug Back Total Depth			Packer Set		et at						
	asing Size Weight				Internal Diameter 4.052			Set at 2759		Perforations 2709			то 2714			
	ubing Size Weight				Internal Diameter			Set at 2727		Perforations			То			
Type Completion (Describe)					Type Fluid Production Water						aveling Plunger? Yes			/ No		
Single Gas Producing Thru (Annulus / Tubing)					% Carbon Dioxide					·				ias Gravity - G _g		
Annulus					Pressure Taps				.750 (Meter Run) (Prover) Size							
Vertical D 2714	epth(H	l) 				<u> </u>	ress	sure laps					2.067		rover) Size	
Pressure	Buildu	p:	Shut in	8 2	0 13 at 7	:00		(AM) (PM)	Taken_06	6/19	20	<u>13</u>	at		(AM) (PM)	
Well on Li	ine:	;	Started	2	0 at			(AM) (PM)	Taken		20	_	at		(AM) (PM)	
				·		OBSE	RVE	D SURFACI	E DATA			Dura	ition of Shut-	_{in} 24	Hours	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well F Temperature Temper t t		ature (P _w) or (P _t) or		Pressure	(P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	ut-In		F-19 (1 11)						49.4	25	39.4		24			
Flow																
						FLOW	STR	EAM ATTR	IBUTES						, 	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Extension Fact		tor Temp		Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		_:	(P _w) ² =_	:	(OPEN FL	OW) (DE		ERABILITY % (F	') CALCUL '' _c - 14.4) +		:		-	$r^2 = 0.2$ $r^2 = $	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		nose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divided by: $P_c^2 - P_w^2$ by:		P _c ² · P _w ²		Backpressure Curve Slope = "n" or Assigned Standard Slope		l n x I	og [Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	w	- -		Mcfd @ 14	65 psia			Deliverab	oility			Mefd	@ 14.65 ps	ia		
The (unders	•	d authority, on	behalf of the	Company, s			e is duly au	uthorized t		· ·		•	as know	=	
ne facts s	tated ti	herei	in, and that sai	d report is tru	e and correc	t. Exec	uted	this the	<u> </u>	day of	.		K	CC	20 <u>13</u> WICHI	
			Witness (if	any)				-			For	Compar	ıv		0 1 2013	
·····			For Commis	sion			_	_			Che	cked by				
														KE	CEIVE	

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc. coing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Sest a one-year exemption from open flow testing for the Miller 2-23 and belief based upon available production summaries and lease records and set a one-year exemption from open flow testing for the Miller 2-23 and belief based upon available production summaries and lease records and set a one-year exemption from open flow testing for the Miller 2-23 and belief based upon available production summaries and lease records and belief based upon available production summaries and lease records and belief based upon available production summaries and lease records all at the second production summaries and lease records and belief based upon available production summaries and lease records all at the second production summaries and lease records and belief based upon available production summaries and lease records all at the second production summaries and lease records are second production and second production summaries and lease records and second production and second production summaries and lease records and second production summaries and lease records are second production and second production summaries and lease records and second production summaries and lease records are second production summaries.
(Check	
	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
•	e to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>06/25/2013</u>	
	Signature: Dawn Richardson, Regulatory Technician III

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 signed and dated on the front side as though it was a verified report of annual test results.

JUL 0 1 2013

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