KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(See ins	struct	tions on Re	everse Side	9)						
= .	en Flov eliverabi					Test Date						l No. 15		_			
		iity				9/09/20	13				03	3-21343 -	000	10			
Chesar		O e	perating, I	lnc.					Lease Pierce	•				6-27	Well No	ımber	
County Comac	he		Locat NW N		NE	Section 27		7	TWP 32S		RNG (E	/W)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Acres	Attributed	
Field Bird Ea	ıst					Reservoi Mississi		tamo	ont			thering Cont Energy Se		1			
Completic 2/8/03	on Date	Ð				Plug Bac 5926	k Total	Dept	h		Packer : CIBP	Set at - 5775'					
Casing S 5.5	ize		Weigh 15.5	nt		Internal (4.950	Diamete	er	Set 598		Perfo 494	rations 2'		To 4948'			
Tubing Si 2.875	ize		Weigh 6.5	nt		Internal (2.441	Diamete	r	Set 537		Perfo 512	orations 0		™ 5222			
Type Con (Gas) (2	· .	ingled			Type Flui Water	d Produ	uction	າ		Pump U Pump	nit or Travelin Unit	g Plun	iger? Yes)/ No		
Producing	g Thru	(Anı	rulus Tubin	g)		% C	arbon I	Dioxid	de		% Nitrog	_		Gas G	ravity -	<u> </u>	
Annulus	-																
Vertical D 5988	epth(H)					1	Press	sure Taps					(Meter	Run) (P	rover) Size	
Pressure	Buildup): :	9/8 Shut in		20	0 13 at 1	1		(AM) (PM)	Taken_9/	9	20	13	at11		(AM) (PM)	
Well on L	ine:		Started		20) at			(AM) (PM)	Taken	<u>.</u>	20	' <u>—</u>	at		(AM) (PM)	
	_						OBSE	RVE	D SURFAC	E DATA			Dura	tion of Shut	-in_24	Hours	
Static / Dynamic Property	ic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well He Tempera t	erature Wellhea		1		Tubing ead Pressure (P ₁) or (P ₂)	Duration (Hours)			Liquid Produced (Barrels)	
Shut-In									110	124.4	55	69.4	24			-	
Flow																	
_							FLOW	STRI	EAM ATTR	IBUTES							
Plate Coeffieci (F _b) (F _p Mcfd	ent	Circle one: Meter or Prover Pressure psia			Extension		ravity actor T		Flowing emperature Factor F ₁₁	Fa	iation ctor p*	Metered Flo R (Mcfd)	w	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
			-														
(P _c) ² =		.:	(P _w) ² =		:	(OPEN FLO		ELIVE) CALCUL		:		(P _a)	² = 0.2 ² =	07	
(P _c) ² - (P or (P _c) ² - (P) ²	(P)²- (P _w)²	2.	e tormula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ 1 by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P.2. P.	2	Backpre Slog 	ssure Curve oe = "n" - or signed ard Slope	nxl	<u>г</u>		Antilog	Op Deti Equals	en Flow verability R x Antilog (Mcfd)	
	+	<u>.</u>								-							
Open Flow			[_	N	fcfd @ 14.6	5 psia			Deliverab	ilitv			Mefd	@ 14.65 psi			
The	ndersio	ned	authority or			· · · · · · · · · · · · · · · · · · ·	lator 45	at be									
			authority, or								make the day of O	e above repo ctober	ert and	that he ha		ledge of 20 <u>13</u> .	
	_								_						RECE	IVED	
			Witness (if	any)					_			For (Company	KANSAS CO	ORPORA	TION COMMIS	
			For Commi	ission					_			Che	cked by		OCT 2	3 2013	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
	going pressure information and statements contained on this application form are true and
	st of my knowledge and belief based upon available production summaries and lease records
	tallation and/or upon type of completion or upon use being made of the gas well herein named.
	uest a one-year exemption from open flow testing for the Pierce 6-27
	rounds that said well:
(Chec	k 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.
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
	ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
staff as necessa	ry to corroborate this claim for exemption from testing.
staff as necessa	ry to corroborate this claim for exemption from testing.
	ry to corroborate this claim for exemption from testing.

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.