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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruct	ions on Re	verse Side	»)				
✓ Open Flow Deliverability				Test Date: 7/19/2014				API No. 15 15-189-22491 - 0 0 0 0					
Company Chesapeake Operating, L.L.C.			Lea		Lease Cox				Well Number 1-29				
County Stevens			Location 330 FSL & 2310 FEL		Section 29		TWP 34S		RNG (E/W) 36W		Acres Attributed		
Field Voorhee	s				Reservoir Morrow				Gas Gathering Conn OneOk Field Service				
Completic 8/18/200		е			Plug Bac 6801	k Total Dept	h		Packer	Set at			
Casing S 5.5	Casing Size 5.5		Weight 17		Internal Diameter 4.892		Set at 6845		Perforations 6300		то 6344		
Tubing S 2.875	Tubing Size 2.875		Weight 6.5		Internal Diameter 2.441		Set at 6280		Perforations		То		
	Type Completion (Describe) Single - Gas			Type Flui Oil/Wa	d Production ter	า		Pump Unit or Traveli Plunger		ng Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Tubing)	% Carbon Dioxide				% Nitrog	gen	Gas Gravity - G _g			
Vertical C	Depth(F	i)			-	Pres	sure Taps		<u> </u>		(Meter F	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in	3 2	0_14_at_8	:00	(AM) (PM)	Taken_7/	19	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-	n 24 Hour	
Static / Orific Dynamic Size Property (inche		6	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	I Wallhood Praceura		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				2			146	160.4	148	162.4	24		
Flow													
Plate			Circle one:			FLOW STR	Flowing					Flowing	
Coeffied (F _b) (F	ient ,)	Pro	Meler or over Pressure psia	Press Extension √ P _m x h	Grav Fact	tor T	Factor F _{It}	Fa	iation ctor pv	Metered Flow R (Mcfd)	v GOR (Cubic Fee Barrel)	Eluid	
					-								
					•	OW) (DELIV		•				= 0.207	
(P _c) ² =	 _	<u>-:</u>	(P _w)² =	Chaose formula 1 or 2	P _d ,=	 `		2 _c - 14.4) +		;	(P _d) ²		
(P _o) ² - (I	- I	(F	P _c) ² - (P _w) ²	1. P _o ² - P _o ² 2. P _o ² - P _o ² divided by: P _o ² - P _o ³	LOG of formula 1, or 2, and divide by:	P _c ² - P _w ²	Šlo _l	ssure Curve pe = "n" - or signed lard Slope	l n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	

Open Flo				Mcfd @ 14.			Deliverab				Mcfd @ 14.65 psi		
		-	•	n behalf of the aid report is true	•		•			•	rt and that he ha	s knowledge of , 20 <u>15</u>	
			Witness (i	'anv)		KANSAS (Receive corporation		NC	En-f	Company		
							UN 29.	2015	<u> </u>				
			For Comm	ssion			=			Che	ked by		

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C.
and that the foreg	oing pressure information and statements contained on this application form are true and
correct to the bes	t 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.
I hereby requ	est a one-year exemption from open flow testing for the Cox 1-29
gas well on the gr	ounds that said well:
	
(Check	·
	is a coalbed methane producer
<u> </u>	is cycled on plunger lift due to water
片	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 agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
_	y to corroborate this claim for exemption from testing.
	,
Date: 5/11/2015	
Date: Of 11/2010	
	Received KANSAS CORPORATION COMMISSIGNATURE: WWW WRUNT WALL WRIGHT Katie Wright, Regulatory Analyst
	CONSERVATION DIVISION WICHITA, KS
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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.