KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test				(See Instruc	tions on Re	verse Side	e)				
✓ Open Flow Deliverability			Test Date: 8/24/2014			API No. 15 15-189-21621 - 0000						
Company Chesapeake Operating, L.L.C.				Lease Alderman			Well Number 3-11					
County Location Stevens 1980 FNL & 660 FWL			Section 11		TWP 33S			W)	Acres Attributed			
Field Northwoods SE				Reservoir Morrov			.		nering Conn Field Service			
Completion 8/19/96				Plug Bac 6050	k Total Dept	th		Packer S	et at			
Casing S 5 1/2	ize	Weight 15.5		Internal Diameter 4.950		Set at 6300		Perforations 5942		то 5962		
Tubing Size 2 3/8		Weig 4.7	ht	Internal Diameter 1.995		Set at 6003		Perforations		То		
Type Con Gas	npletion	(Describe)		Type Flui	d Production	n		Pump Unit or Travel Pump Unit		ng Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Annulus			ng)	% Carbon Dioxide				% Nitrogen		Gas Gravity - G _o .642		
Vertical D	epth(H)			_	Pres	sure Taps		_		(Meter R	un) (Prover) Size	
	Buildup	: Shut in 8/2	23 2	0 14 at 8	:00	(AM) (PM)	Taken_8/	24	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-i	24 Hours	
Static / Dynamic Property	ianic Size Prover Pressure		Differential in	Temperature Temperature		I Wollhood Praceura		Tubing Welihead Pressure (P_w) or (P_i) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-in	,					30	44.4	0	14.4	24		
Flow												
Plate		Circle one:	.	<u> </u>	FLOW STR	Flowing	RIBUTES				Flowing	
Coeffiec (F _b) (F Mcfd	ient ,)	Meter or Prover Pressure psia	Press Extension P _m x h	Grav Fact	or 1	remperature Factor F _{f1}	Fa	iation ctor : pv	Metered Flov R (Mcfd)	(Cubic Fee Barrel)	Eluia	
									•			
					OW) (DELIV						= 0.207	
(P _c)² =		: (P _w) ²	Choose formula 1 or 2	' 'P _a =			P _c - 14.4) +		;	(P ₀)²	<u></u>	
(P _c) ² - (I or (! ² _c) ² - (I	~ i	(P _o)²- (P _u)²	1. P _a ² - P _a ² 2. P _a ² - P _a ² diviced by: P _a ² - P _a ²	LOG of formula 1, or 2, and divide by:	P _c ² -P _w ²	Slo As	essure Curve pe = "n" - or esigned fard Slope	n x i	.og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
-							·					
Open Flor	.v		Mcfd @ 14.	65 psia		Deliveral	oility			Mcfd @ 14.65 psia		
-		•	on behalf of the said report is true			,			•	rt and that he has	knowledge of, 20	
		Witness	(if any)	•	KANSAS	Receis CORPORATI	ved ON COMMISS	SION	For C	company		
		For Com				JUN 2 9				ked by		

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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 Alderman 3-11
gas well on the grounds that said well:
(Check one) is a coalbed methane producer is cycled cn 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
staff as necessary to corroborate this claim for exemption from testing.
Date: _5/8/15
Received Signature: Late Wright KANSAS CORPORATION COMMISSION Title: Katie Wright, Regulatory Analyst CONSERVATION DIVISION WICHITA, KS

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.