KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruci	ions on Rev	erse Side	·)				
✓ Open Flow					T . D .				. 50				
Deliverability				Test Date: 7/14/2014				API No. 15 15-175-20524 00 0 0					
Company Chesapeake Operating, L.L.C.						Lease Light Unit						Well Number	
County Seward			Location		Section 8			TWP 35S		W)	Acres Attributed		ted
Field Liberal SE					Reservoir Morrov			Gas Gathering C DCP Midstrean			onnection Marketing L.P.		
Completic 9/24/81		9			Plug Bac 6101	k Total Dept			Packer Set at 6025				
Casing S 4.5	İze	Weight 11.6			Internal Diameter 4.0		Set at 6151		Perforations 6058		то 6070		
Tubing Size Weight 2.375 4.7				Internal D	Diameter	Set at 6022		Perforations		То			
Type Con	npletio	n (Di			1.995	d"Production			Pump Ur	nit or Traveling	Plunger? Yes	/ No	
Single					1,00 1 14.	. , , , , , , , , , , , , , , , , , , ,			No	or maroning	Tidiigoti 100		
Producing Tubing	g Thru	(An	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrogen		Gas Gravity - G _e .636		
Vertical E	epth(F	1)				Pres	sure Taps		_		(Meter	Run) (Prover)	Size
6151 Pressure	Buildu	p:	Shut in	3 2	20_14_at_8	:00	(AM) (PM)	7/	14	20	14 at 8:00	(AM) (F	 PM)
Well on L											at		
				 -	-	OBSERVE	D SURFACE	DATA			Duration of Shut-	in_24	Hours
Static / Orifice Dynamic Size Property (inches)		e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		(P _m) or (P ₁) or (P _c)		Tubing ad Pressure r (P,) or (P _e)	Duration (Hours)	Liquid Produ (Barrels)	
Shut-In			poig (* iii)	mones 120			Psig 0	psia 14.4	128	142.4	24		
Flow													
						FLOW STR	EAM ATTRI	BUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xħ	Grav Fact F	or T	Flowing Temperature Factor F _{ft}	nperature Factor F		Metered Flow R (Mcfd)	(Cubic Feet/		wing uid wity a _m
	ĺ												
(P)2 -			(P _w) ² =_		•		ERABILITY)	CALCUL - 14.4) +			(P _a)	²= 0:207	
$\frac{(P_c)^2 = \underline{\qquad \qquad }}{(P_c)^2 - (P_a)^2}$ or $\frac{(P_c)^2 - (P_c)^2}{(P_c)^2 - (P_c)^2}$				2. P ² -P ²	LOG of formula 1, or 2,		Backpres Stop	sure Curve e = "n" or	n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog	
(P ₀)*- (I	- _d)*			livided by: P.2 - P.	and divide 2 by:	P _c ² - P _w ²		igned rd Slope				(Mcfd)	
Open Flor	w			Mcfd @ 14.	.65 psia		Deliverabi	ity			Mcfd @ 14.65 psi	ia_	
		_	*				•				rt and that he ha	-	
the facts s	tated t	nerei	n, and that sa	id report is true	e and correct	t. Executed			day of <u>IV</u>	<u> </u>	<u>.</u>	, 20 _15	· ·
			Witness (if	eny)	-	KANSA	Receiv s corporation		S!ON	For C	Сотралу		
		_	For Commi	ssion			JUN 29	2015		Chec	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 Light Unit 2-8 gas well on the grounds that said well:
(Check 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 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: 5/11/2015
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.