KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

A . 15 .

Type Test	t:				(See Instruc	tions on Re	verse Side))					
✓ Open Flow				Test Date:				4.0	I NI- 28					
Deliverability				Test Date: 7/13/2014				API No. 15 15-033-20964 - 000						
Company		Ope	rating, L.L.C	 _			Lease Booth				1-13	Well Num	nber	
County Location Comanche 660 FSL & 1320 FEL			Section 13				RNG (E	/W)	Acres Attributed					
Field Wilmore				Reservoir Marmat			_		thering Conn					
Completion Date 9/29/98				Plug Bac 4913	k Total Dept	lh		Packer :	Set at					
Casing Size Weight 5.5 15.5			Internal E 4.950	Diameter	Set at 5611		Perforations 4830		то 4834					
Tubing Size 2.375			Weight 4.7		Internal Diameter 1.995		Set at 4883		Perforations		То			
Type Completion (Describe) Gas				<u>-</u>	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump Unit					
Producing		(An	nulus / Tubing	3)	% Carbon Dioxide			% Nitrog			Gas Gravity - G _g .626			
Vertical D		Η)	_			Pres	sure Taps					Run) (Pro	ver) Size	
5675			_			Flan	ge				2.067			
Pressure	Buildu	ıp:	Shut in	2 2	20_14_at_8:	:00	(AM) (PM)	Taken 7/	13	20	14 at 8:00	(A	M) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(A	M) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{in_} 24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu		Flowing Well Head Temperature		Casing Wellhead Pressure (P_w) or (P_l) or (P_s)		Tubing Wellhead Pressure (P _w) or (P _f) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-in			psig (Pm)	Inches H ₂ 0	_	-	psig 800	psia 814.4	psig 10	psia	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 xh	Grav Fact F _g	or 1	Flowing emperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
(P _o) ² =			(P _w) ² =	:	•	OW) (DELIV	,) CALCUL ² c - 14.4) +			(P _a) (P _d)	2 = 0.207 2 =	7	
(P _c) ² - (F	P _a) ²	<u>·</u> (F		Choose termula 1 or 2	LOG of	<u> </u>	Backpre	ssure Curve				Оре	n Flow	
or (P _c) ² - (P _d) ²				2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	2. P _c ² -P _d ² 1. or 2. and divide		Ass	or			Antilog	Equals F	Deliverability quals R x Antilog (Mcfd)	
					 									
Open Flor	I w			Mcfd @ 14,	65 psia		Deliverab	ility			Mcfd @ 14.65 psi	L а		
		ianer	f authority or		•	tates that h		<u> </u>	n make th		rt and that he ha		due of	
				id report is true			-				T and that he ha		-	
						-	oooiyad							
			Witness (ii	any)	1	KANSAS CORP	eceived - ORATION COM	MISSION	-	Far C	Company			
			For Comm	ssion		JUN	2 9 20	15		Cher	cked by			

	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, L.L.C.						
	egoing 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 Booth 1-13						
	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						
I further agre	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.						
olan as necessar	y to compare this claim for exemption from testing.						
Date: <u>5/8/2015</u>							
	1, -						
	paceived wassonSignature: Yatu WMMT						
	Received Received COMMISSION Signature: LULU MANGET Title: Katie Wright, Regulatory Analyst						
	1118 2 9 2013						
	CONSERVATION DIVISION WICHITA, KS						
	OCHUM MICHINATION						

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.