Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:				(0	oee manucu	ons on nev	orse side,	,					
_ :	en Flow			Test Date:	:				lo. 15				
Del	liverabilt	/		12/30/	2015			15-0	007-0018	89-0000			
Company Atlas C	Opera	ting, LLC				Lease Cook,	R. B.			1	Well Nun	nber	
County Barber			Location SW-NE-NE		Section 20			RNG (E/W) 12W		Acres Attributed 160		tributed	
^{Field} Hardtner			Reservoir Missis		Gas Gathering Conne			ection	Kc	.			
Completion Date 12/06/1955			Plug Back 4796	Total Dept	h	Packer S		t at		.//.	CWIN		
Casing Size 5 1/2		Weig 14	ht	Internal D 5.012	liameter	Set at 4829		Perforations 4712		то 475 2	~~/// ~~.	08 20.	
Tubing Size 2 3/8		Weig 4.7	ht	Internal Diamete 1.995		Set at 4760		Perforations		То	-4£C	C WICE	
	npletion	(Describe)		Type Fluid	d Production			Pump Uni Pump l	t or Traveling Jnit	Plunger? Yes	/ No	_ 	
-	g Thru (Annulus / Tubii	ng)		arbon Dioxi	de		% Nitroge		Gas G	iravity - G		
Annulus	S			.1710				1.5268			<u> </u>		
Vertical D	Pepth(H)					sure Taps				,	Run) (Pr	over) Size	
4830					Pipe					4			
Pressure	Buildup	Shut in 12	2/30	20_ <u>15</u> _at_2	::45 PM	(AM) (PM)	Taken 12	2/31	20	15 _{at} 2:45 l	<u>-M</u> (AM) (PM)	
Well on L	ine;	Started	2	20 at		(AM) (PM)	Taken	= <u>:</u> ":	20	at		AM) (PM)	
				<u> </u>	OBSERVE	D SURFAC	E DATA			Duration of Shu	_{it-in} 24	Hours	
Static / Orifice Dynamic Size Property (inches		Meter Prover Pres	Differential	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Property	(inches	psig (Pm	i) Inches H ₂ 0	,		psig	psia	psig	psia		+-		
Shut-In					<u> </u>	75		50			_		
Flow		_				<u> </u>		ļ					
					FLOW STE	REAM ATTR	IBUTES					<u> </u>	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter ot Prover Pressure psia	Press Extension P _m x h	Extension Fac		tor Temperature		riation actor F _{pv}	Metered Flor R (Mcfd)	w GOF (Cubic F Barre	Feet/	Flowing Fluid Gravity G _m	
				•	OW) (DELIV		•				$_{a})^{2} = 0.2$.07	
(P _c) ² =	1	: (P _w) ²	Choose formula 1 or	P _d =		1	P _c - 14.4) +		 :	(P	d)2 =	 -	
(P _c) ² - ((P _c) ² -(P _w) ²	1. P _c ² -P _d ² 2. P _c ² -P _d ² divided by: P _c ² -P	LOG of formula 1. or 2. and divide	P _c ² -P _y ²	Slo As	ssure Curve pe = "n" - or signed lard Slope	l n x i	.og [Antilog	Del Equals	oen Flow Iverability 3 R x Antilog (Mcfd)	
_													
Open Fig	ow		Mcfd @ 14	1.65 psia		Deliveral	ollity			Mcfd @ 14.65 p	sia		
		•••	on behalf of the	• •		•		_	•				
the facts s	stated th	erein, and that	said report is tre	ue and correc	ct. Executed	this the <u>4</u>	<u> </u>	day of	unuary		 ·	20 _10	
		Witnes	s (if any)		<u> </u>				For	Company			
		For Co	mmission						Che	ecked by			

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating, LLC
	ne 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
	ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for the <u>Cook, R. B. #1</u>
	n 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
	(Check one)
	is a coalbed methane producer
	is cycled on plunger lift due to water
	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
1 furt	er agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as r	ecessary to corroborate this claim for exemption from testing.
Date: 1/	4/2016
	Signature:
	Title: _ENGINEER

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.