KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Rev	erse Side)				
Open Flow			Test Date) :			API	No. 15					
	liverat	ilty			12/18/20					007-00189-0	0000		
Company Atlas Op		ıg, L	LC				Lease Cook, R	. В.			ν 1	Vell Number	
County Barber				Location SW-NE-NE		Section 20		TWP 34		/W)		Acres Attributed	
Field Hardtner					Reservoir Mississippi			Gas Gathering ONEOK			ection		
Completi 12/06/19		e			Plug Bac 4796	k Total Dept	h		Packer	Set at			
Casing S 5 1/2	lize	Weight 14		Internal Diameter 5.012		Set at 4829		Perforations 4712		то 475 2			
Tubing Size 2 3/8			Weight 4.7		Internal Diameter 1.995		Set at 4760		Perforations		То		
Type Cor Casing	npletio	n (D	escribe)		Type Fluid Production OIL & Water			Pump Unit or Traveling P Pump Unit			Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Annulus				% c .1710	de	% Nitrogen 1.5268			Gas Gravity - G _g .625				
Vertical Depth(H) 4830				Pressure Taps Pipe						(Meter Run) (Prover) Size 4			
Pressure	Buildu	p:	Shut in 12/	18 2	14 at 1	:00	(AM) (PM)	Taken 12	2/19	20	14 at 1:00	(AM(PM)	
Well on L	ine:		Started	2	0at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	n 24 Hours	
Static / Orific Dynamic Size Property (inches		Brovet Pressure		Pressure Differential in Inches H ₀ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				2			30	psid.	0	psia			
Flow													
	1		Circle one:	1	<u> </u>	FLOW STR	EAM ATTRI	BUTES	·				
Plate Coeffied (F _b) (F Mofd	ient ,	Pro	Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact F ₁	tor T	Flowing Femperature Factor F _{f1}	Fa	iation ictor pv	Metered Flow R (Mcfd)	v GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
<u> </u>		. .			(ODEN EL	OW) (DELIV	ERABILITY)	CALCIII	ATIONS				
(P _c) ² =		:	(P) ² =	::	$P_d =$, ,	•	- 14.4) +		:	(P _a) ² (P _d) ²	= 0.207 =	
(P _c) ² - (or (P _c) ² - (무,)²	(F	P _c)2- (P _w)2	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.	P _c ² -P _w ²	Backpres Slop Ass	sure Curve e = "n" origned ird Slope	n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo)W			Mcfd @ 14	.65 psia	·	Deliverabi	litv			Mcfd @ 14.65 psia	<u> </u>	
		ione	d authority -		····	states that L			o males a				
		-		n benair of the	• •	t. Executed	this the 30		day of _	•	ort and that he has	s knowledge of, 20	
					KANSA	Recein S CORPORATION	VOD COMMISS <u>ic</u> On Commiss <u>ic</u>	N					
			Witness (FEB 0 9	2015			For C	Company		
			For Comm	nission				· · · · · · · ·		Chec	cked by		

exempt status und and that the foreg correct to the best of equipment insta	er Rule K.A.R. 82-3-304 or bing pressure informatio of my knowledge and be llation and/or upon type o	er the laws of the state of Kansas that I am authorized to request on behalf of the operator Atlas Operating, LLC on and statements contained on this application form are true and elief based upon available production summaries and lease records of completion or upon use being made of the gas well herein named. from open flow testing for the Cook, R. B. #1
gas well on the gro	ounds that said well:	
_	is a coalbed methane priscycled on plunger lift is a source of natural gais on vacuum at the presis not capable of producto supply to the best of	
Date: 01/30/2015		
F	Received CORPORATION COMMISSION EB 0 9 2015 SERVATION DIVISION WICHITA, KS	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.