## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(5	See Instructi	ons on Reve	rse Side)	)						
<b>✓</b> Ope	en Flow	,			Total Date	_			451	N. 45					
Del	liverabii	ty			Test Date 12/30/20					No. 15 107-01375 —	0000				
Company Atlas Operating LLC					Lease BOGGS ESTA						Well Number				
County Location BARBER 330 FSL, 990 FEL			Section 9		TWP 33					Acres Attributed 160					
CHASE N				Reservoir MISSISSIPPI				nering Conne			gr.	`			
06/09/48			Plug Back 4866	Plug Back Total Depth 4866				et at		To 4866 RECEIVED					
Casing Si 5 1/2	ize		Weight		Internal Dia 5.012		Set at 4846			ations		то 4866	~4/ <sub>1</sub>	08 20	
Tubing Si 2 7/8	ize		Weight	· · · · · · · · · · · · · · · · · · ·	Internal Dia		Set at 4870		Perforations			То	- TEC	EIVA	
	Completion (Describe)			Type Fluid	Type Fluid Production OIL & WATER			Pump Un	Yes /	No No	0				
	g Thru	hru (Annulus / Tubing)				% Carbon Dioxide			% Nitrogen 7.114				Gas Gravity - G <sub>o</sub>		
Vertical D		)				Press	sure Taps		7.114				un) (Pro	over) Size	
4412						PIPE	<u> </u>					4			
Pressure	Buildup	); S	Shut in12/3	302	o 15 at 1:	00 PM	(AM) (PM)	Taken_12	2/31	20	15 at_1	1:00 PN	<u>Л</u> (А	M) (PM)	
Well on L	ine:		Started	20	O at		(AM) (PM)	Taken		20	at _		(/	M) (PM)	
						OBSERVE	D SURFACE	DATA			Duration	of Shut-ii	24	Hours	
Static / Dynamic Property	Orific Size (Inche	,	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re In Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Durat (Hou			Produced arrels)	
Shut-In			Fa.3 (1 m)	1101100 1720			psig 60	psia	psig 60	_ psia					
Flow															
						FLOW STR	EAM ATTRI	BUTES	·,						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> xh	Grav Fac F <sub>e</sub>	tor 1	Flowing Femperature Factor F <sub>11</sub>	ture Eac		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)	eV	Flowing Fluid Gravity G <sub>m</sub>	
					_L										
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )² =:	:	(OPEN FL		ERABILITY) % (P,	CALCUL - 14.4) +		:		(P <sub>a</sub> )² (P <sub>d</sub> )²	= 0.20	17	
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (		(P	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slope Ass	sure Curve e = "n" origned rd Slope	l n x	LOG	Antil	log	Deliv Equals	en Flow verability R x Antilog Mcfd)	
				divided by: $P_c^2$ - $P_w^2$	by:		Statitua	та эторе			1		,		
Open Flow Mcfd @ 14.65 psia					Deliverability Mcfd @ 14.65 psia										
The	undersi	gned	d authority, o	n behalf of the	Company,	states that h	e is duly au	thorized t	o make ti	ne above repo	ort and the	at he ha	s knowl	edge of	
the facts s	stated ti	nerei	n, and that sa	aid report is true	e and correc	t. Executed	this the 4th	<u> </u>	day of	anuary			,2	:0 <u>16</u> .	
			Witness (i	f any)			_		_	For	Company				
	_		For Comm	ission			_			Che	cked by				

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC	
	t 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 equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named.	
l he	reby request a one-year exemption from open flow testing for the BOGGS #2	
gas wel	I on the grounds that said well:	
	I 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 petural gas for injection into an oil reservoir undergoing ER	1//
	(Check one)	2
	is a coalbed methane producer	<(
	is cycled on plunger lift due to water	EZ
	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	
1 4	that agree to supply to the heat of my shility any and all supporting desuments deemed by Commission	_
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commission	l
siaii as	necessary to corroborate this claim for exemption from testing.	
Date:_	<u>/4/2016</u>	
	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.