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

Type Test	t:			(	(See Instruct	tions on Rev	∕erse Side	)				
	pen Flow			Test Date	·a·			API	l No. 15	15-15	7-6107	
<u> </u>	eliverabilty	<b>.y</b>		10/21/20					NO. 19	<del></del> ,,-	<del></del>	
	y perating						SON-OL		7-1	1	Well Number	
County BARBE	<u>∃R</u>	Locat NE-S	ation SW-NW		30 ag.						Acres Attributed 160	
Field HARD1	TNER				SSIPPI			Gas Gat ONEC	thering Conne	ection	- :_	
Completion 11/12/5				Plug Bac 4844	ck Total Dept	ıh		Packer S	set at			
Casing S 5 1/2	ize	Weigt 14	ht	Internal D 5.012	Jiameter	Set at 4874		Perfo 478	orations 30	To 4806		
Tubing S 2 3/8	ize	Weigh 4.7	ht	Internal E 1.995	Diameter	Set at 4760		Perforations		То		
Type Cor CASING		(Describe)			id Production WATER	n.		Pump Unit or Travelin		g Plunger? Yes / No		
Producing		Annulus / Tubin	19)	% c	Carbon Dioxid	de		% Nitrogen 7.114		Gas Gro	ravity - G	
Vertical E			·	<u> </u>	Press	sure Taps					Run) (Prover) Size	
•	Buildup:	: Shut in	)/21 2	20 <u>11</u> at 9:		(AM) (PM)	Taken_10	/22	20	1 <u>4</u> 9:15an	m(AM) (PM)	
Well on L	_ine:	Started	2	:0 at							(AM) (PM)	
					OBSERVE	D SURFACE	E DATA			Duration of Shut-	-in 24 Hours	
Static / Dynamic Property	Orifice Size (inches)	Meter Prover Press	Differential sure in	1 1	Well Head Temperature t	Casir Wellhead F (P <sub>*</sub> ) or (P <sub>1</sub>	Pressure	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	<b>\'</b>	psig (Pm)	nches H <sub>2</sub> 0	!	,	psig 40	psia	pslg	psla			
Flow						+	<del></del>		+ +		+	
	<u> </u>				FLOW STF	EAM ATTRI	BUTES					
Plate Coeffied (F <sub>e</sub> ) (F	cient	Circle one: Meter or Prover Pressure psia	Press Extension	Extension Fact		Flowing Temperature Factor F <sub>I</sub> ,	Devia Fac F <sub>p</sub>	ctor	Metered Flow R (McId)	GOR (Cubic Fed Barrel)	1 Grounts I	
(P <sub>c</sub> )² =		.: (P <sub>w</sub> ) <sup>2</sup> =	=:	(OPEN FLO		'ERABILITY) % (P	) CALCULA 2 <sub>c</sub> - 14.4) + 1		:	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	<sup>2</sup> = 0.207	
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>e</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		$ (P_{c})^{2} - (P_{w})^{2} $ Choose formula 1 or $ 1. P_{c}^{2} - P_{a}^{2} $ $ 2. P_{a}^{2} - P_{d}^{2} $ divided by: $P_{c}^{2} - P$		LOG of formula 1. or 2. and divide	LOG of tormula 1. or 2. and divide p2.p2		ssure Curve ne = "n" or signed and Stope	n x tog		Antilog E	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	- I		Mcfd @ 14.	65 osia		Deliverabil				Mcfd <b>@</b> 14.65 psi		
		ned authority,	·	•	states that h		<u>-</u>	make th		t and that he has	<del></del>	
			said report is true						ovember		, 20 11	
			(if any)			_	1)4	2/26	seely	Litson	RECEIVE	
		Mitnace.	. (if anvi						For Cor	mpany		

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 Atlas Operating LLC
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 theJOHNSON-OLSEN #1
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.
Signature: <u>Debbee Latson</u> Title: Regulatory Coordinator

## 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.