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

Ţype Test:	:			(5	See Instructi	ons on Reve	erse Side)				
<b>☑</b> Ope	en Flow			Test Date				ADI	No. 15		
Del	liverabilty	,		11/11/20					95-22097-0	000	
Company ATLAS OPERATING LLC			Lease Lloyd Wells			/ells			v 11-20	Well Number 11-20	
County Location Kingman SE SW NE			Section 20				RNG (E/W) 8W		Acres Attributed		
Field Spivey-Grabs-Basil			Reservoir Mississ	ippi		Gas Gathering Conr Pioneer Exploratio			ection n LLC		
Completic 04/17/0				Plug Back 4346'	Total Depti	h		Packer S	et at		JAN WICK
Casing Size Weight 4.5" 10.5#			Internal Diameter 4.052"		Set at <b>4373'</b>		Perforations 4269		То <b>4273'</b>	RECO 2016	
Tubing Si 2 3/8"	Tubing Size Weight 2 3/8" 4.7#		t	Internal Diameter 1.995"		Set at 4253			ations	То	KCC WICH JAN 08 2016 RECEIVED
Type Con Single (		(Describe) Bas)		Type Fluid Oil & W	Production	1		Pump Un Pump	it or Traveling Unit	Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Annulus			3)	% Carbon Dioxide			% Nitrogen 1.210			Gas Gravity - G <sub>g</sub> .670	
Vertical D	epth(H)	<u> </u>	· · · · · · · · · · · · · · · · · · ·		Press Pipe	sure Taps				(Meter F 4	Run) (Prover) Size
Pressure	Buildup:	Shut in11/	11 2	0_15 <sub>at_2</sub>		(AM) (PM)	Taken_11	/12	20	15 at 2:49 pr	n (AM) (PM)
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
			_		OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orifice Size (Inches	Meter Prover Pressi	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P <sub>w</sub> ) or (P <sub>t</sub>	Pressure	Wellhe	ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		, , , ,				350	psia_	paig	psía		
Flow											
			<u>,                                      </u>		FLOW STR	EAM ATTRI	BUTES				
Plate Coeffice (F <sub>b</sub> ) (F	eient <sub>p</sub> )	Gircle one: Meter of Prover Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fac F	tor 1	Flowing Femperature Factor F <sub>ft</sub>	Fa	iation ctor py	Metered Flor R (Mcfd)	W GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	_	(8.)	²= 0.207
(P <sub>c</sub> )² =		: (P <sub>w</sub> ) <sup>2</sup> =	·:	P <sub>d</sub> =		% (P	' <sub>e</sub> - 14.4) +	14.4 =	:	(P <sub>a</sub> )	
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (	(P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> )²- (P <sub>w</sub> )²	Choose formula 1 or:  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub>	LOG of formula 1, or 2. and divide	P.2-P.2	Stop	ssure Curve le = "n" or signed ard Slope	l n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mofd)
									_		
Open Flo	ow		Mcfd @ 14	.65 psia		Deliverab	ilitv			Mcfd @ 14.65 ps	ia
		ned authority o		·	states that h			o make #	ne above ron	ort and that he ha	<u>.</u>
	_	erein, and that s		• •		-	_		ECEMBER	At and that he ha	, 20 <u>15</u>
	<del></del>	Witness	(if any)			_			For	Company	
		Eor Com	mission			_				and have	

i de	clare 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	t the foregoing pressure information and statements contained on this application form are true and
correct t	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 Lloyd Wells #11-20
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
	(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
l fu	rther 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.
Date: 1	12/29/2015
	<del></del>
	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.