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

Type Test	:		J.1.2		• (	See Instruct	ions on Rev	erse Side	)				
= :	en Flov liverabi				Test Date 09/14/20					No. 15 077-21286-0	0000		
Company Atlas Op		 g LL	.c				Lease Freeland	d, Beth				Vell Nun	nber
County Harper			Locat C SW S		Section 4		TWP 31S		RNG (E/	W)	A	cres At	tributed
Field SPIVEY GRABS						Reservoir MISSISSIPPI			Gas Gathering Connection ONEOK				
Completic 11/11/19		е			Plug Bac 4518	k Total Dept	h		Packer S	Set at			
Casing Size Weight 5 1/2 15.5				Internal I 5	Diameter	Set at 4548		Perforations 4448		то 4494			
Tubing Size Weight 2.7/8 4.7			nt	Internal [	Diameter		Set at Perf 4514		rations	То			
Type Completion (Describe) SINGLE					Type Fluid Production OIL & WATER			Pump Ur PUMP	nit or Traveling UNIT	Plunger? Yes / No			
Producing	-	(Anr	nulus / Tubin	g)	% c .1286	arbon Dioxi	de		% Nitrog		Gas Gra .6930	vity - G	g
Vertical D		ł)	-			Pres	sure Taps				(Meter F	Run) (Pre	over) Size
Pressure	Buildu	p: :	Shut in09/	14	20 15 at 8	:50 AM	(AM) (PM)	Taken_09	9/15	20	15 at 8:50 ar	n (/	AM) (PM)
Well on L	.ine:	;	Started		20 at		(AM) (PM)	Taken		20	at	(/	AM) (PM)
						OBSERVE	D SURFACE	DATA	_,		Duration of Shut-i	n_24	Hours
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Press psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P <sub>w</sub> ) or (P <sub>p</sub>	Pressure	Wellhe	rubing ad Pressure r (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		Produced arrels)
Shut-in				1			145	polu	50	para			
Flow													
	i					FLOW STR	EAM ATTRI	BUTES				ī	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension  P <sub>m</sub> xh	Gra Fac F	tor 1	Flowing Temperature Factor F <sub>1</sub> ,		iation ctor	Metered Flor R (Mcfd)	w GOR (Cubic Fed Barrel)	et/ .	Flowing Fluid Gravity G <sub>m</sub>
											_		
(P <sub>c</sub> )² =		_:	(P <sub>w</sub> )² =	·:	•		'ERABILITY) % (P	CALCUL - 14.4) +		:	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.20	)7 
(P <sub>c</sub> ) <sup>2</sup> -( or (P <sub>c</sub> ) <sup>2</sup> -(	P <sub>a</sub> )²		)°- (P <sub>w</sub> )°	Choose formula 1 or  1. P <sub>c</sub> <sup>2</sup> - P <sub>s</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>c</sub>	LOG of formula 1. or 2.		Slop Ass	ssure Curve te = "n" or signed ard Slope	l n x	rog	Antilog	Deliv Equals	en Flow verability R x Antilog Mcfd)
									<u> </u>				
Open Flo	W			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 psi	<u>a</u>	
		_	•	n behalf of the aid report is tru			•			-	ort and that he ha		edge of 10 <u>15</u> .
						Rec	eived ATION COMMI <del>S</del>						
			Witness	if any)				SION		For	Company		
			For Com:	nincian		<del>~- ୬/ጓ/∀</del> し	) 4 2016-			Cho	cked by		

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 at correct to the best of my knowledge and belief based upon available production summaries and lease record 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 the Freeland, Beth #2-4	nd ds
gas well on the grounds that said well:	
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 Commisstaff as necessary to corroborate this claim for exemption from testing.	ssion
Date: 12/30/2015	
Received KANSAS CORPORATION COMMISSION  JAN 0 4 2016  CONSERVATION DIVISION WICHITA, KS	- -

## 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.