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

Type Test  ✓ Op	: en Flo	w			(	'See Instr	ructions on	Reverse Sid	e)					
Deliverability				Test Date 08/21/2			API No. 15 15-077-21286-0000							
Company Atlas Operating LLC				JOIL 112	1	Lease Freel	and, Beth					Well Number 2-4		
County Location Harper C SW SE				Section 4		TWP 31S			RNG (E/W) 9W			Acres	Attributed	
Field SPIVEY GRABS				Reservoi MISSIS			Gas Ga ONE(			Conn	ection		<del></del>	
Completion Date 11/11/1994				Plug Bac 4518	k Total D	epth		Packer	Set at					
Casing Size Weight 5 1/2 15.5				Internal I 5	Diameter		Set at <b>4548</b>		Perforations 4448		то <b>4494</b>			
Tubing Size 2 7/8			Weigi 4.7	ht	Internal [	Diameter		Set at 4514		Perforations		То	-	
Type Completion (Describe) SINGLE					d Produc WATEF				Pump Unit or Traveling Plunger? Ye			s / No		
Producing Thru (Annulus / Tubing) ANNULUS				% ( .1286	Carbon Di	oxide		% Nitrogen 1.5213			Gas Gravity - .6930		G <sub>g</sub>	
Vertical D 4550	epth(F	-				Pı	ressure Tap	S			-	(Meter	r Run) (P	rover) Size
Pressure	Buildu	ıp: !	Shut in _08	/21	20_14 at 8	:00	(AM)(P	M) Taken 0	8/22		20	14 at 8:00		(AM) (PM)
Well on L	ine:				20 at						20	at		(AM) (PM)
				···	_	OBSER	VED SURF	ACE DATA	-			Duration of Shu	t-in_24	Hours
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t	Well Hea Temperate	wellhe	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing ead Press or (P, ) or	(P <sub>e</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-in			pois (i iii)	110103 1120			145	psia	45	<del> '</del>	osta			
Flow					_						;			
				1		FLOW S	TREAM AT	TRIBUTES	<u> </u>		1.			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Gra Fac F	tor	_			ctor R		w GOF (Cubic I Barre	eet/	Flowing Fluid Gravity G <sub>p</sub>
											_			
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> )2 :	= ;		OW) (DE	LIVERABIL' %	TY) CALCU (P <sub>e</sub> - 14.4)			:		$a_0)^2 = 0.2$ $a_1)^2 = $	207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> - P <sub>d</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		Backpressure Slope =		e Curve "n" n x			Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				divided by: Pc2 - P	by:	<u> </u>		andard Slope			-		-	
Open Flow Mcfd @ 14.65 psia					sia Deliverability					Mcfd @ 14.65 psia				
		_					-					ort and that he l		=
he facts s	tated t	herei	in, and that s	said report is tru	e and correc	ct. Execu	ted this the	างเก	day of _		·			20 <u>14</u>
			Witness	(if any)	_						For	Company K	A <del>NS</del> A <del>S C</del> C	Received RPORATION CO
			For Com	mission			_		<del></del>		Che	cked by	<del>0</del> 0	T 2 9 20

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
	nat the foregoing pressure information and statements contained on this application form are true and
	at to the best of my knowledge and belief based upon available production summaries and lease records
	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.  nereby request a one-year exemption from open flow testing for the Freeland, Beth #2-4
	ell 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
taff a	urther agree to supply to the best of my ability any and all supporting documents deemed by Commission secessary to corroborate this claim for exemption from testing.
)ate:_	10/13/2014
	Signature: Knis Wauck
•	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.

Received

KANSAS CORPORATION COMMISSION