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

Type Test	:	,	•		(	See Instruc	ctions on Re	verse Side	e)					
✓ Op	en Flov	W			Took Date				ΔDI	l No. 15				
Deliverabilty				Test Date: 10/22/2014				-	·055-22041-(	0000				
Company Atlas Op		g Ll	.c	-			Lease Garden	City "B"			21-19	Well Nui	mber	
County Location Finney NW			tion	Section 19		TWP 22S			RNG (E/W) 33W		Acres Attributed			
Field Hugonton			Reservoir Chase (			Gas Gathering Connection			ection					
Completion Date 03/06/2009				k Total Dep	oth	Packer Set at 2625			<u> </u>		<u></u>			
Casing Size Weight			Internal [	Diameter		Set at 2739		orations	то 2606					
4.5 Tubing Size			9.5 Weight		4.052 Internal Diameter		Set at		2556 Perforations		То			
2 3/8 4.7 Type Completion (Describe)				1.995 Type Fluid Production					4389  np Unit or Traveling Plunger?		4392 r? Yes / No			
Single (	Gas)			\	Water				PUMF	UNIT				
Producing Thru (Annulus / Tubing) ANNULUS			19)	% Carbon Dioxid			e % Nitrogen 32.1126			Gas Gravity - G <sub>g</sub> 31.8				
Vertical D 2751	epth(H	1)			·	Pre: PIP	ssure Taps E				(Meter 4	Run) (Pr	over) Size	
Pressure				/22	14 at 2	:00	(AM)(PM)	(AM) (PM) Taken 10/23					AM) (PM)	
Well on Line: S				0 at			(AM) (PM) Taken		20	at	(AM) (PM)			
						OBSERV	ED SURFAC	E DATA			Duration of Shu	24	Hours	
Static / Dynamic Property	Oynamic Size Property (inches)		Circle one: Meter Prover Press	Differential in	Flowing Weil Head Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)	Liquic	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0	-		psig 20	psia	psig 60	psia			<del>                                     </del>	
Flow									"	<u> </u>				
			I	<u> </u>		FLOW ST	REAM ATTR	IBUTES	_			_ <del> </del>		
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> x h	Extension Fact		Flowing Temperature Factor F <sub>ft</sub>	Deviation Factor F <sub>pv</sub>		Metered Flov R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
				_			<u>-</u>							
(P <sub>c</sub> )² =		_:	(P <sub>w</sub> )² :	<u> </u>	(OPEN FL	• •	VERABILITY .% (I	') CALCUL P <sub>c</sub> - 14.4) +		:		$()^2 = 0.20$ $()^2 = 0.20$	07	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_a)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  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>w</sub>	LOG of formula 1. or 2. and divide	b.s. b.s	Backpress Slope Pc²-Pc² Standar		n x	rog	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)	
									_	<del> </del>		<u> </u>		
Open Flow Mcfd @ 14.65 psia					Deliverat	Deliverability Mcfd			Mcfd @ 14.65 p	sia				
	-						•			he above repo	ort and that he h			
ne racts s	tated th	ıerei	in, and that s	aid report is true	e and correc	ii. Execute	a this the <u></u>	<u> </u>	day of		KANSA	Rec	20 <u>14</u> . eived ATION COMMIS	
			Witness	(if any)		<del></del>				For (	Company	NOV (	3 3 2014	
			For Carn	mission		<del>-</del>	-			Che	cked by CC		TON DIVISION	

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
and that the foregone correct to the best of equipment insta	poing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Garden City "B" 21-19 counds that said well:
staff as necessar	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 10/23/2014	Signature: 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 Received December 31 of the year for which it's intended to acquire exempt status for the subject well KARBESTONE SIGNED AND SIGNED AND ADDRESS OF THE STATE OF THE ST

NOV 03 2014