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

Type Test:			(Sec	e instructi	ions on Re	verse Side	)				
Open Flor	w		Test Date:				API 1	No. 15			
Deliverabilty			10/19/2014				15-191-10240-0001				
Company Atlas Operatin	ng LLC				Lease Hudson				4-1	Well Number	
County Location Sumner NW-NW-NW			Section TWP 10 35S				RNG (EA	<b>(V)</b>	Acres Attributed		
Field Fall Creek			Reservoir MISSISSIPPI				Gas Gathering Connection Atlas Pipeline Mid Continent				
Completion Date 11/1995			Plug Back Total Depth 4449				Packer Set at 4311				
Casing Size Weight 7 20 & 23			Internal Diameter Set a 6.33 4776				Perfor		т <sub>о</sub> 4367		
fubing Size Weight 2.3/8 4.7			Internal Diameter Set a 1.995 431			at	Perfor		То		
Type Completion Single Gas			Type Fluid F			•	Pump Uni	t or Traveling	Plunger? Yes	/ No	
	(Annulus / Tubi	ng)		on Dioxid	de		% Nitroge		Gas Gr	ravity - G	
Tubing Vertical Depth(H)			.3220 Pressure Taps				11.5		.727 (Meter Run) (Prover) Size		
4786									4	Tially (1 total) dize	
Pressure Buildu	p: Snut in		0_14 <sub>at_</sub> 9:00		(AM) (PM)				14 at 9:00	(AM) (PM)	
Well on Line:	Started	20	) at	<del></del>	(AM) (PM)	Taken		20	at	(AM) (PM)	
	• •		0	BSERVE	D SURFAC	E DATA		<del></del>	Duration of Shut-	in 24 Hours	
Static / Orific	e Prover Pres	Meter Differential .		Vell Head mperature	Casing Wellhead Pressure (P_ ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Property (inch	es) psig (Pm	- 1 "" 1	t	t	psig	psia	<del> </del>		(1.00.0)	(,	
Shut-In					100		95				
Flow											
			FL	LOW STR	EAM ATTR	IBUTES					
Plate Coeffications (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Citate one:  Meter or  Prover Pressure psia  Prass Extension  ✓ P <sub>m</sub> xh		Gravity Factor F <sub>9</sub>	Т	Flowing emperature Factor F <sub>II</sub>	Fa	iation ctor : pv	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
			(OPEN FLOW	/) (DELIVI	ERABILITY	) CALCUL	ATIONS		(P.)	p <sup>2</sup> = 0.207	
P <sub>c</sub> ) <sup>2</sup> =	_: (P <sub>w</sub> ) <sup>2</sup>		P <sub>d</sub> =	9	6 (F	o - 14.4) +	14.4 =	:	(P <sub>a</sub> )		
$(P_c)^2 - (P_e)^2$ or $(P_c)^2 - (P_d)^2$	(P <sub>a</sub> )² - (P <sub>w</sub> )²	Choose formula 1 or 2:  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2. and divide by:	2.p <sub>2</sub> 2	Slo <sub>l</sub>	ssure Curve oe = "n" - or signed ard Slope	пхL	og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
-							-				
Open Flow		Mcfd @ 14.6	S5 osia		Deliverab				Mcfd @ 14.65 ps	ia	
<del>-i</del>	anad nuth-at-			ac that h	•	<u> </u>	n make 45		<u>-</u>		
		on behalf of the said report is true			•	-		TOBER	nt and mat ne na	, 20 14	
		· 							KANSA	Received as corporation comm	
	Witness	·			_				Company	NOV 0 3 2014	
	For Con	mission						Che	cked by	= 3 • •	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt	t status under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
and tha	at 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 equip	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	ereby request a one-year exemption from open flow testing for the Hudson 4-1
gas we	ll 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
l fu	orther 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	10/23/2014
	Quialdanah
	Signature: CNO Walle
	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 received signed and dated on the front side as though it was a verified report of annual test results.

KANSAS CORPORATION COMMISSION