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

Type Test:	:					6	See Inst	ructi	ons on Rev	erse Side	)						
Op	en Flov	N				Toet Date					AC	No. 15					
Deliverabilty				Test Date: 10/30/2010					API No. 15 15-077-21264 ~ (\(\sum\)								
Company Atlas operating LLC				<del></del>			Lease GAUG					4	Well Nu	mber			
County HARPE	R		Location NE-NE-SE			Section 12				TWP 31		RNG (E/W) 9W		Ac. 40		cres Attributed	
						Reservoir MISSISSIPPI			Gas Gathering Conn. ONEOK		ection						
•				Plug Bac 4562	k Total D	epth	h	Packer Set at									
Casing Size Welg 5 1/2 14				ht		Internal C	Internal Diameter 5			Set at <b>4562</b>		orations 18		To 4510			
Tubing Si 2 7/8	ZĐ		Weight 6.5			Internal Diameter 2.5			Set at		Perf	orations	То			·- · •	
					Type Fluid Production OIL & WATER				Pump Unit or Traveling Plunger? Yes / No PUMP UNIT								
Producing Thru (Annulus / Tubing) ANNULUS					% C	arbon D	ioxid	le	% Nitrogen .9			Gas Gravity - G					
Vertical Depth(H)					Pressure Taps PIPE								Run) (P	rover) Size			
Pressure	Buildu	<b>p</b> :	Shut In 10	/30	2	0 10 at			(AM) (PM)	Taken 10	/31	20	10 a			(AM) (PM)	
Well on Li	ine:	;	Started		2	0 at			(AM) (PM)	Taken		20					
							OBSEF	VE	SURFACE	DATA			Duratio	on of Shut	-in 24	Hours	
Static / Dynamic Property	namic Size		Circle one:  Meter Prover Pressure psig (Pm)		Pressure Differential in Temperature t		Well Head Temperature		Casing Wellhead Pressure $(P_{\pi}) \text{ or } (P_{t}) \text{ or } (P_{e})$ psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_i)$ or $(P_c)$		Ouration (Hours)		Liquid Produced (Barrols)		
Shut-In									150	,	, , , , , , , , , , , , , , , , , , ,				<u> </u>		
Flow						•											
							FLOW S	STRI	EAM ATTRII	BUTES		,					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>g</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		1	Press Extension Pmxh	Grav Fact F	or	Flowing Temperature Factor F <sub>tt</sub>		Deviation Factor F <sub>g</sub> ,		Metered Flow R (Mcfd)	v	GOR (Cubic Fed Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>e</sub> )² =			(P <sub>w</sub> ) <sup>2</sup> :	_		(OPEN FLO	DW) (DE	LIVE	ERABILITY)	CALCUL.			•	(P <sub>a</sub> )	) <sup>2</sup> = 0.2	07	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(P <sub>0</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		2. $P_c^2 - P_d^2$		LOG of formula 1, or 2, and divide	P. 2 - P.	Backp S		ressure Curve ope = "n" or assigned idard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
. —				divide	of by: P <sub>e</sub> <sup>2</sup> -P <sub>a</sub> <sup>4</sup>	by:	<u></u>		Standa					<del></del>	<u> </u>		
														<del></del>			
Open Flo	w			- 1	Mcfd @ 14.	65 psla			Deliverabl	lity			Mcfd 6	14.65 ps	ila		
			d authority, o								,	the above repo	rt and	that he h		ledge of 20 10 .	
								_									
			Witness	(il any)	)				_			For (	Отрелу			RECEIVE	
<u>. –</u>			For Com	mission	n			-				Che	ked by		<b>!</b>	10V-1-2	

l declare	under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	s under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
	oregoing 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
	installation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby r	equest a one-year exemption from open flow testing for the GAUG #4
gas well on th	e grounds that said well:
(C	heck 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
I further a	agree to supply to the best of my ability any and all supporting documents deemed by Commissio
	ssary to corroborate this claim for exemption from testing.
Date: 11/04/2	2010
<u> </u>	
	Signature: Pamo H. Farray
	Title: _Production 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.