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

Type Test	:	0			(	See Instruc	tions on Rev	erse Side	e)			
	en Flow liverabilty				Test Date					No. 15		
Company			. <del> </del>		01/01/20	014	Lease		191	1-10240-0001		Well Number
Atlas Op		LLC					Hudson				4-1	weii Number
County Location Sumner NW-NW-NW				Section 10		TWP 35S			/W)		Acres Attributed	
Field Fall Creek				Reservoir MISSIS			Gas Gathering Conn Atlas Pipeline Mid (					
Completion Date 11/1995				Plug Bac 4449	k Total Dep	oth	Packer Se 4311		Set at			
Casing Size Weight 7 20 & 23				Internal E 6.33	Diameter		Set at 4776		rations 7	To <b>4367</b>		
Tubing Size Weight 2 3/8 4.7				Internal D 1.995	Diameter		Set at 4311		Perforations		<del></del>	
Type Completion (Describe) Single Gas					d Productio	on	Pump Unit or Traveling PI PUMP UNIT			Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)  Tubing					% C	% Carbon Dioxide			% Nitrogen 11.5		Gas Gravity - G <sub>g</sub>	
Vertical Depth(H)					Pressure Taps						Run) (Prover) Size	
Pressure	Buildup:	Shut in01	1/01	20	0_14_at		(AM) (PM)	Taken_01	1/02	20 .	······	(AM) (PM)
Well on L	ine:	Started		20	O at		(AM) (PM)	Taken		20	at	(AM) (PM)
	•		· · ·	1		OBSERVE	D SURFACE	DATA	··········		Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orifice Size (inches)	Size Prover Pressure		ressure fferential in ches H <sub>2</sub> 0	Flowing Well Heat Temperature t		Molhood Proceuro		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	'						100	pola	95	pola		
Flow	<u>'</u>		ļ									
	· .	· <del>-</del> · · · · · · · · · · · · · · · · · · ·			<del></del>	FLOW STE	REAM ATTRI	BUTES				
Plate Coeffieci (F <sub>b</sub> ) (F <sub>I</sub> Mcfd	ent ) P	Circle one: Meter or Prover Pressure psia		Extension F		vity Flowing tor Temperature Factor Factor Fit		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity
		···· / · · ·				<u> </u>						
(P <sub>o</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup>	=	:	(OPEN FLO	, ,	<b>/ERABILITY)</b> % (P <sub>.</sub>	CALCUL <sub>c</sub> - 14.4) +		:		<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	ŀ	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. l 2. l	formula 1 or 2: P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> ny: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop  Ass	sure Curve e = "n" or igned trd Slope	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					1							
Open Flov	V	· · ·	Mo	ofd @ 14.6	65 psia		Deliverabi	lity		N	/lcfd @ 14.65 psi	a
							•			<u> </u>	t and that he ha	<u>-</u>
ne racts st	ated there	ein, and that	ѕаю гер	ort is true	and correct	t. Executed	this the	-G I	day of	1110	Janoc le	, 20
	<del></del>	Witness	(if any)	•	<del></del>	· · · · · · · · · · · · · · · · · · ·				For Co	mpany	-KCC WI
		For Com	mission							Check	ed by	APR 14

	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 going pressure information and statements contained on this application form are true and
of equipment insta I hereby requ	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. est a one-year exemption from open flow testing for the Hudson 4-1 ounds 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 eto supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>01/14/201</u> 4	Signature:

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.

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