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

Type Test	t:				6	See Instruct	ions on Reve	erse Side	)				
<b>√</b> Op	en Flo	w			Test Date				A 131	No. 15			
De	liverat	oilty			10/20/20					NO. 13 095-01185-0	0000		
Company Atlas Op		ng L	.LC			<u></u>	Lease GWYNN	N RENI	DER	<del></del>	1	Well Number	
County Location KINGMAN SW-NE-NW				Section 1				RNG (E	W)		Acres Attributed		
Field				Reservoir MISSIS			Gas Gathering ONEOK			ection			
Completion Date 01/25/1957				Plug Bac <b>4207</b>	k Total Dept	th	Packer Se <b>423</b> 9		Set at				
Casing Size 5 1/2			Weigi 14	nt	Internal E	Internal Diameter 5		Set at 4239		rations 6	то 4176		
Tubing Size 2 3/8			Weight 4.7		Internal Diameter		Set at 4100		Perforations 4129		To 4176		
Type Completion (Describe) CASING			Type Flui	d Production	ח			nit or Traveling	Plunger? Yes	/ No			
Producing Thru (Annulus / Tubing) ANNULUS				% C	arbon Dioxi	de	% Nitrog 2.0836		-		avity - G <sub>g</sub>		
Vertical D		H)			12,00	Pres	sure Taps					Run) (Prover) Siz	
4240						PIPE	Ξ				4		
Pressure	Buildt	ıb:	Shut in 10	/20 2	0_14_at_1	1:00	AM) (PM)	Taken 10	)/21	20	14 at 11:00	(РМ)	
Well on L	.ine:		Started	2	0 at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in <u>24</u> Ho	
Static / Orifice Dynamic Size Property (inches)		ze e	Circle one: Meter Prover Press	Pressure Differential ure in	Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P <sub>m</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>5</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Property	(Incr	185)	psig (Pm)	inches H <sub>2</sub> 0	t	t	psig	psia	psig	psia			
Shut-In							175		85				
Flow	•								<u> </u>				
<u>-</u>						FLOW STR	EAM ATTRIE	BUTES				. г	
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Motd		Pro	Meter or psia	Press Extension P <sub>m</sub> xh	Grav Fact F	tor	Temperature Fac		riation Metered Flow actor R = (Mcfd)		w GOR (Cubic Fe Barrel)	Cravity	
(P <sub>c</sub> ) <sup>2</sup> =		•	(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FLO		ERABILITY)	CALCUL - 14.4) +			(P <sub>a</sub> )	<sup>2</sup> = 0.207	
(' °, ' <u></u>		<u> </u>		Choose formula 1 or 2			<del>-                                    </del>	ure Curve		<del></del>	\' <u>a</u> /	T	
(P <sub>c</sub> ) <sup>2</sup> - (	P_)2	(F	P <sub>0</sub> )²-(P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula			) = "ถ"	пх	LOG	Antilog	Open Flow Deliverability	
(P <sub>c</sub> ) <sup>2</sup> · (	P <sub>d</sub> )²			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>d</sub> <sup>2</sup>	1. or 2. and divide by:	P.2-P.2	Assi	gned d Slope			7 <b>1</b> 110g	Equals R x Antil (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	ia	
The	unders	signe	d authority, c	on behalf of the	Company, s	states that h	e is duly aut	horized t	o make tl	ne above repo	ort and that he ha	as knowledge of	
the facts s	stated t	there	in, and that s	aid report is true	e and correc	t. Executed	this the 28° Received		uay or	CTOBER		, 20	
			Witness	(if any)	<del></del>		10V 077			ForC	Company	<del></del>	
			For Com	mission		CON	ISERVATION D	IVISION		Che	cked by		

and that the correct to the of equipment	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request as under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC foregoing pressure information and statements contained on this application form are true and be best of my knowledge and belief based upon available production summaries and lease records t installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the GWYNN RENDER #1
gas well on t	he grounds that said well:
I further	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 agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
Date: 10/28/	/2014
	Signature:  Received KANSAS CORPORATION COMMISSI  Title:  Regulatory Coordinator  Received KANSAS CORPORATION COMMISSI  NOV 0 7 2014  CONSERVATION DIVISION WICHITA, KS

## 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.