KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(-	See Instruct	ions on Reve	erse Side)					
√ Op	en Flo	W			Test Date				A DI	No. 15				
De	liverab	ilty			10/15/20	-)77-21264-0	000			
Company Atlas op		g Ll	_C				Lease Gaug, Ly	dia I.				Well Nu 4-		
County HARPER			Location NE-NE-SE		Section 1			TWP 31S		RNG (E/W) 9W		Acres Attributed 40		
					Reservoir MISSISSIPPI			Gas Gathering Connection ONEOK						
Completion Date 03/19/1993				Plug Baci 4562	Plug Back Total Depth 4562			Packer S	et at					
Casing Size 5 1/2			Weight 14		Internal Diameter 5		Set at 4562		Perforations 4418		то 4510	· -		
Tubing Size 2 7/8			Weight 6.5		Internal Diameter 2.5		Set at		Perforations		То			
Type Con		ı (De	escribe)	,	- •	d Production	1		Pump Un	it or Traveling UNIT	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide			% Nitrog	en	Gas G	Gas Gravity - G _g			
ANNUL					.1389				.908			.7080		
Vertical Depth(H) 4564					Pressure Taps PIPE						(Meter 4	Run) (Pi	over) Size	
Pressure	Buildu	p:	Shut in	15 2	o <u>14</u> at 1:	:00	(AM)(PM)	faken_10	0/16	20	14 at 1:00	(АМ)(РМ)	
Well on L	.ine:		Started	20	at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
	ı					OBSERVE	D SURFACE				Duration of Shut	_{-in_} 24	Hour	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential ure in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	ture (P_w) or (P_t) or (P_a)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			μοισ (*)	1101100 1120			193	psia	psig 40	psia		1		
Flow			-											
			· · · - ·			FLOW STR	EAM ATTRIE	BUTES	- -				Г	
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle ono: Meter or over Pressure psia	Press Extension	Extension Fact		tor Temperature		riation letor = pv	Metered Flow R (Mcfd)	w GOR (Cubic Fo	eet/	Flowing Fluid Gravity G _m	
							· · · · · · · · · · · · · · · · · · ·							
$(P_c)^2 =$			(P)² =	::	(OPEN FLO	, ,	ERABILITY) % (P		ATIONS · 14.4 =) ² = 0.2) ² =	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$			P _c) ² - (P _w) 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 _d ²	1. P _c ² - P _a ² LOG of formula 2. P _c ² - P _a ² and divide		Backpress Slope			.oe	Antilog	Or Del Equals	en Flow iverability R x Antilog (Mcfd)	
				UNIOGU DY: FG - FW	J 97.	<u> </u>	- Carridge	U.VpU				-		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	sia		
		_					-			-	ort and that he h		_	
the facts s	stated t	here	in, and that s	aid report is true	e and correc		this the 6T		-	OVEMBER		,	₂₀ <u>14</u> .	
			Witness	(if any)	<u> </u>		JAN 05	2015		For	Company		· · · · · · · · · · · · · · · · · · ·	
			For Com	nission			RECE	VED		Che	cked by			

exempt status under Ru and that the foregoing correct to the best of my of equipment installation	nalty of perjury under the laws of the state of Kansas that I am authorized to request ale K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC pressure information and statements contained on this application form are true and y knowledge and belief based upon available production summaries and lease records an and/or upon type of completion or upon use being made of the gas well herein named. One-year exemption from open flow testing for the Gaug, Lydia I. #4-1
gas well on the grounds	
is cy is a s is on ✓ is no I further agree to su	coalbed methane producer ycled on plunger lift due to water source of natural gas for injection into an oil reservoir undergoing ER n vacuum at the present time; KCC approval Docket No ot capable of producing at a daily rate in excess of 250 mcf/D upply to the best of my ability any and all supporting documents deemed by Commission orroborate this claim for exemption from testing.
Date: _11/06/2014	
JA	C WICHITA 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.