KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				6	See Instructi	ons on Re	verse Side))					
✓ Ope	en Flow				Test Date				ΔĐI	No. 15				
Deliverabilty					10/28/2010				API No. 15 15-077-10065 ~ OOO					
Company Atlas Ope		LLC				<u></u>	Lease KERN(OHAN			1	Well Nu	mber	
County Location HARPER NE-NE				Section 7		TWP 31		RNG (E/W) 8W		Acres Attributed 40		ttributed		
Field SPIVEY GRABS						Reservoir MISSISSIPPI			Gas Gathering Connection ONEOK					
Completion Date 1954					Plug Bac 4526	Plug Back Total Depth 4526			Packer S	Set at				
Casing Size 5 1/2	Casing Size Weight 5 1/2 14				Internal D 5)iameter	Set at 4526		Perforations 4390		то 4465			
Tubing Size Weight 2 3/8 4.7				Internal Diameter Set at 2			Perfo	rations	То					
Type Com		(Desc	ribe)			d Production WATER			Pump Ur PUMP		Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) ANNULUS					% c	% Carbon Dioxide .21			% Nitrog 1.54	en	.713	Gas Gravity - G		
Vertical De	epth(H)					Press PIPE	ure Taps				(Meter 4	Run) (Pi	over) Size	
Pressure Buildup: Shut in 10/28 20.						AM) (PM) Taken 10/29			20 10 at		(AM) (PM)			
Well on Li	ine:	Sta	irted	2	0 at		(AM) (PM)	Taken		20	at		AM) (PM)	
·					<u>,</u>	OBSERVE	SURFAC	E DATA			Duration of Shut	-in _24	Hours	
Static / Dynamic Property	ami¢ Size		Circle one: Meter over Pressure psig (Pm)	Pressure Differential in Inches H _o 0	Flowing Temperature t	Well Head Temperature t	emperature Wellhead F		Wellhe	fubing ad Pressure (P,) or (P _c) psia	Duration L. (Hours)		d Produced Barrels)	
Shut-In				<u> </u>			40	psia	parg	μικα		1	1	
Flow														
						FLOW STR	EAM ATTR	IBUTES						
Plate Coefflecient (F _b) (F _p) Mctd		Circle one: Meter or Prover Pressure psia		Press Extension	Fac	Gravity Te Factor F		Flowing Deviation mperature Factor Fig. Fpv		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
(P _c)² =		:	(P _w) ² =	<u></u> :	(OPEN FL	OW) (DELIVI) CALCUL ² c - 14.4) +		:) ² = 0.2 ⁴) ² =	07	
(P _e) ² - (F or (P _e) ² - (F	-	(P _c) ² ~ (P _w) ²		noose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of tormula 2. $P_c^2 - P_d^2$ and divided by: $P_c^2 - P_w^2$ by:		b ₅ -b ₃	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Op Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		<u></u> .									······································	<u> </u>		
Open Flow Mcfd @ 14.65				65 psia	•	Deliverability			Mcfd @ 14.6		5 psia			
				behalf of the					o make th		rt and that he h		ledge of	
			Witness (if a	ny)			_			For C	ompany	RE	CEIVE	
			For Commis	sion			_			Chec	ked by	MUN	/ 1 2 2 /	

exempt status	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC pregoing pressure information and statements contained on this application form are true and
of equipment i	nest 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. equest a one-year exemption from open flow testing for theKERNOHAN #1
gas well on th	e grounds that said well:
[[] I further a	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 gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: _11/08/2	2010
	Signature: Roman - 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.