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

Type Test	t:				(	See Instruc	tions on Re	verse Side	)			
✓ Open Flow  Deliverabilty					Test Date	Test Date: API No. 15						
		ilty			09/12/20	)15			15-	077-10140-0		
Company Atlas Op		g L	LC.				Lease KERN	NAHC	*		1	Well Number 2
County HARPE	County Location Sec HARPER NE-NW-NE 7		Section 7				RNG (E/	/W)	•	Acres Attributed		
Field SPIVEY GRABS					Reservoir MISSISSIPPI			Gas Gat	thering Conn	ection		
Completic 01/24/6		e			Plug Baci 4496	( Total Dep	th		Packer S	Set at		
Casing Si 5 1/2	ize		Welgh 15 1/2		Internal D 5	iameter	Set a 452		Perfo 438	rations 0	To 4450	
Tubing Si 2 3/8	-		Weigh 4.7	t	Internal E	Internal Diameter 2		Set at		rations	То	
Type Con		n (De	escribe)	1		d Productio	n		Pump U	nit or Traveling	Plunger? Yes	/ No
Producing		(Anr	nulus / Tubing	)	% C	arbon Diox	ide		% Nitrog	jen	Gas Gr	avity - G <sub>g</sub>
Vertical D		1)				Pres	sure Taps					Run) (Prover) Size
4526						PIPE					4	
Pressure	Buildu	p:	Shut in	12 2	o_15_at_1:	:00 PM	(AM) (PM)	Taken_09	9/13	20	15 at 1:00 P	M (AM) (PM)
Well on L	ine:		Started	29	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in _24 Hours
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P	Pressure	Wellhe	Tubing ead Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Fili)	menes H <sub>2</sub> 0			psig 65	psia	psig 65	psia		
Flow												
		•	<b>'</b>	<u>'</u>		FLOW STR	REAM ATTR	IBUTES				
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient p)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fact F <sub>q</sub>	or	Flowing Temperature Factor F <sub>ft</sub>	Fa	iation ctor pv	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>
L					(OPEN FL	OW) (DELIV		CALCUL	ATIONS	<del>-</del>	(P.)	<sup>2</sup> = 0.207
(P <sub>c</sub> ) <sup>2</sup> =		<u>_:</u>	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>d</sub> =		% (F	° - 14.4) +	14.4 =	<u></u> ;		2 =
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	P_)²	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.  1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 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>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Sloj As	ssure Curve pe = "n" - or signed ard Slope	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
-					ļ						" .	
				M. G. C.	05 - 1:			*****		<u>.</u>	N-14 @ 44.55	
Open Flo				Mcfd @ 14.			Deliverab				Mcfd @ 14.65 psi	
		-	-	n behalf of the aid report is true			-			ECEMBER	ort and that he ha	s knowledge of, 20 <u>15</u>
							Received RPORATION CO					
Witness (if any)  JAN 0 4 2016  For Company												
			For Comm	ission		CONSER	RVATION DIVIS /ICHITA, KS			Che	cked by	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
and that the foregoing 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
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the KERNOHAN #2  gas well on the grounds that said well:
gub Holl off the grounds that said Holl.
(Check 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 agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 09/30/2015
Signature:
Received KANSAS CORPORATION COMMISSION Title: ENGINEER
JAN 0 4 2016
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.