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

Type Test:				(	See Instructi	ions on Reve	rse Side)	)				
<b>✓</b> Ope	en Flow			Tank Data				ADU	No. 45			
Deliverabilty			Test Date: 12/30/2015			API No. 15 15-007-22815-0000						
Company Atlas C	Operat	ing, LLC				Lease Cook, I	Robert	t		2-20	Well Nu	mber
County Location Barber SW-SW-NE		Section 20		TWP 34		RNG (E/W) 12W			Acres Attributed 160			
Field Hardtner			Reservoir Mississippi		Gas Ga ONE		Gathering Connection		KCC W.			
Completion Date 06/10/2004				k Total Dept	h	Packer Set at				JAN 110		
	Casing Size Weight			Internal Diameter		Set at 4895		- ations 3-28 4745-6	To 698 4774			
Tubing Si 2 3/8			Internal Diameter 1,995		Set at 4823		Perfor		То		TIVED	
Type Con Casing	pletion (				d Production			Pump Un	it or Traveling Unit	Plunger? Yes	/ No	
	Thru (A	nnulus / Tubin	g)		arbon Dioxid	de		% Nitroge		Gas Gr	avitv - (	
Annulus			-	.1710				1.5268	.625	,	g	
Vertical D 4899	epth(H)				Press Pipe	sure Taps			·		Run) (P	rover) Size
Pressure	Buildup:	Shut in 12	/30 2	0_15 at_2	<u>'</u> -		aken_12	2/31	20	15 at 2:30 P	M (	(AM) (PM)
Well on L	ine:	Started	2	0 at		(AM) (PM) 1	aken		20	at		(AM) (PM)
					OBSERVE	D SURFACE	DATA	ı	· · · · · · · · · · · · · · · · · · ·	Duration of Shut	in 24	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one:  Meter  Prover Press psig (Pm)		Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)		d Produced Barrels)
Shut-In					_	40	psia	psig 40	psia			
Flow												
	,				FLOW STR	EAM ATTRIE	UTES					
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter of over Pressure psia  Press Extension  Pmxh		Fac	Gravity Factor F <sub>g</sub>		Flowing Deviation Emperature Factor Fit F <sub>pt</sub>		Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
												<u> </u>
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup> :	<b>=</b> :	(OPEN FL		<b>ERABILITY)</b> % (P.	CALCUL - 14.4) +		:	(P <sub>a</sub> ; (P <sub>d</sub> )	) <sup>2</sup> = 0.2	:07
(P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(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>a</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>w</sub>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slope  Assi	sure Curve = "n" or gned rd Slope	l n x i	.og [ ]	Antilog	Del Equals	pen Flow liverability s R x Antilog (Mcfd)
							-					
								-			<u> </u>	
Open Flo			Mcfd @ 14			Deliverabil	<del></del>			Mcfd @ 14.65 ps		
			on behalf of the said report is tru						e above repo anuary	ort and that he h		vledge of 20 <u>16</u> .
		Witness	(if any)					_	Fore	Сотрапу		
		For Com	mission		-	_			Che	cked by		

	penalty of perjury under the laws of the state of Kansas that I am author Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating, LLC	rized to request
	ing pressure information and statements contained on this application for	rm are true and
correct to the best o	of my knowledge and belief based upon available production summaries an	d lease records
• •	ation and/or upon type of completion or upon use being made of the gas we	
I hereby reques	st a one-year exemption from open flow testing for the <u>Cook, Robert #2-20</u>	<u> </u>
gas well on the grou	unds that said well:	TCC IA.
(Check c	one)	KCC WILL JAN 08 20 RECEIVE
	is a coalbed methane producer	RECE
	is cycled on plunger lift due to water	SEIVE
	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	
<u></u>	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 deem	ed by Commission
staff as necessary	to corroborate this claim for exemption from testing.	
Date: 01/04/2016		
	•	
	Signature:	
	Title: ENGINEER	

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.