## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test	t:				(•	See Instrud	ctions on He	verse Side,	,						
= :	en Flo				Test Date	:			API	No. 15					
LJ	liverab	iity			4/3/14				15-	009-21063	-0000				
Company Joel Associates, Inc									ease Bird				umber		
County Barton			Locatio C-NE/4		33		TWP 18		RNG (E/W) 15 W			Acres Attributed 160			
Field Otis-Alb					Reservoir Krider			Gas Gathering Connection IACX							
Completion Date 8/15/76					Plug Back Total Dept			Packer Set at				<u>-</u>			
Casing Si 11/2			Weight		Internal C	iameter	Set at 1820'		Perfo kride	rations er	то 1764-	то 1764-96ОА То			
Tubing Si 2 3/8			Weight	·	Internal Diameter			Set at		Perforations					
Type Completion (Describe) Single					Type Fluid Production Saltwater				Pump Unit or Traveling Plui Pump unit						
Producing Thru (Annulus Annulus			/ Tubing	)	% C	arbon Diox	xide	% Nitrogen			Gas Gravity - G <sub>g</sub>				
Vertical D	Depth(H	1)				Pre	ssure Taps				(Meter	Run) (F	rover) Size		
Pressure	Buildu	p: Shut	in 4/2	2	14 at 3:	30pm	_ (AM) (PM)	AM) (PM) Taken 4/3		20	14 at 3:31	3:31 (AM) (PM)			
Well on L	ine:	Start	ed	20	) at	·	_ (AM) (PM)	Taken		20	at		(AM) (PM)		
						OBSERV	ED SURFAC	E DATA			Duration of Shut	l-in	Hour		
Static / Dynamic	ynamic Size		Dircle one: Meter ver Pressu	Pressure Differential re in	Flowing Well Heat Temperature Temperat		I Mallhaad	Pressure	Wellhe	Tubing ad Pressure r (P, ) or (P, )	Duration (Hours)	,	quid Produced (Barrels)		
Property	(inch	(inches) psig (Pri		Inches H <sub>2</sub> 0	t	t	psig	psia	psig psia			`			
Shut-In							70				24	0			
Flow	Flow														
						FLOW ST	REAM ATTR	IBUTES							
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	nsion Factor		Tomporetura		ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>		
					<u> </u>								i		
(P <sub>c</sub> )² =		.:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO		VERABILITY	) CALCUL P <sub>2</sub> - 14.4) +		:		) <sup>2</sup> = 0.2	207		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(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>c</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>c</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P. 2 - P. 2	Backpressure C Slope = 'n' or Assigned Standard Slo			roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)			
			-						1			-			
Open Flo	w			Mcfd @ 14.	 65 psia	·	Deliverab	oility	l		Mcfd @ 14.65 ps	sia			
		aned su	haritu		-	states the			n moden at				wlodgo of		
					•				day of A		ort and that he h		20 <u>14</u>		
ne racts 6	stated the	Musi	Witness (if	aid report is true	and correc	i. Execute	a this the O		day of	Zun M	auter		C WI		
		<del></del>	For Comm	ission			-		<del></del>	Che	cked by	— <u>A</u>	PR 16		
													RECE		

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator JOEL Associates, Inc.
	at the foregoing pressure information and statements contained on this application form are true and
of equi	to the best of my knowledge and belief based upon available production summaries and lease records pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Bird A-1 ell on the grounds that said well:
	(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
	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissics necessary to corroborate this claim for exemption from testing.
Date: ַ	4/8/14
	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.

KCC WICHITA

APR 16 2014