KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instruc	tions on Re	verse Side)					
$=$ \cdot	en Flow iverabilty			Test Date):			API N	lo. 15				
Company Joel Associates, Inc.				4/9/14	4/9/14 15-145-21217 - Lease Starke-Murphy					- 0000 A#2	Well Number		
County Location Pawnee C-NE-NW			Section 24		TWP			RNG (E/W)		Acres Attributed			
Field GreenRidge Northwest			Reservoir	asal Con		Gas Gathering Conn Lumen Energy		ection	320				
Completion Date					k Total Dep			Packer Set at					
Casing Size Weight			Internal D	Diameter		Set at 4035'		Perforations		To -			
1 1/2 Tubing Size Weight			Internal Diameter		Set at		3937' Perforations		3949' To				
2 3/8 Type Completion (Describe)				d Productio	n ·	Pump Unit or Travelin		Plunger? Yes	/ No				
single Producing Thru (Annulus / Tubing)			none % C	arbon Diox	ide	none % Nitrogen		Gas Gravity - G _g					
ubing Vertical Depth(H)				Pressure Ta				(Meter Run) (Prover) Size					
		1/0		14 2.	00		Ale	10		14 2:01			
			9 20 14 at 2;00			(AM) (PM) Taken 4/10 (AM) (PM) Taken							
Vell on Lir	ne: 	Started	2	u at		(AM) (PM)	Taken		20 	at	(/	M) (PM) ———	
· ·		Circle one:	Pressure		OBSERVE	D SURFACE	_			Duration of Shu	t-in	Hours	
Static / lynamic Property	Orifice Size (inches)	Meter Differential Prover Pressure in		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		paig (i iii)	Inches H ₂ 0			psig 80	psia	psig 135	ala	24	0		
Flow													
					FLOW ST	REAM ATTR	IBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meler or over Pressure psia Press Extension Pmxh		Gravity Factor F _o		Flowing Temperature Factor F _{II}	emperature Factor		or R		i eet/ i)	Flowing Fluid Gravity G _m	
						<u> </u>							
); =	:	(P _w)² =_	:	(OPEN FLO		/ERABILITY % (F) CALCUL ² c - 14.4) +		 ;		() ² = 0.2 0)7 	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$ (P_c)^2 - (P_w)^2 $ $ (P_c)^2 - (P_w)^2 $ $ (P_c)^2 - P_a^2 $ $ (P_c)^2 - P_d^2 $		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 10G		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Door Flat			Made	GE mail:		D.B.	tra.			W.(1.0.1.1=	<u> </u>		
Open Flow		d authority an	Mcfd @ 14.	_		Deliverab	<u> </u>	1 41		Mcfd @ 14.65 p			
		in, and that said	-				•		above repo	rt and that he h	ias knowi	age of	
	Ma	Witness (if a	all			- Line inc		Jan	Ma	rally	KCC	MICF	
		For Commiss				-			Che	cked by	APR	16 204	
											R	FCEIVE	

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Joel Associates</u> , Inc.
and th	at the foregoing pressure information and statements contained on this application form are true and
correc	ct to the best of my knowledge and belief based upon available production summaries and lease records
-	ripment installation and/or upon type of completion or upon use being made of the gas well herein named. The starke-Murphy A#2
	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
	further agree to supply to the best of my ability any and all supporting documents deemed by Commissions necessary to corroborate this claim for exemption from testing.
Date:	4/11/14
	Signature:
	Title: Vice President

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.

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