KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instruc	tions on Re	verse Side)					
Open Flow					Test Date			API	No. 15					
Deliverability				June 18			15-035-24,141-000							
Company Cowley Energy Associates, LLC						Lease Born					Well Number #4 well			
County Location Cowley SE/4 SW/4				4	Section 13		TWP 33S		RNG (E/W) 4E			Acres Attributed		
Field Winfield				Reservoir Admire	•	-		Gas Gathering Connecti Cowley Gas Systems,						
Completion Date 7/18/2002				Plug Back Total Depth 780				Packer S						
Casing Siz		Weight 9.5#			Internal C	Diameter	Set a			rations	To 716'	To 716'		
Tubing Siz	ze	Weight			Internal I	Diameter	Set a		Perforations		То			
N/A Type Completion (Describe)				Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No NO				 -		
Single (gas) Producing Thru (Annulus / Tubing)				<u> </u>	N/A % C	arbon Diox	ide	% Nitrogen		Gas Gravity - G _g				
Casing Vertical Depth(H)					Pressure Taps							(Meter Run) (Prover) Size		
Pressure 8	Buildup:	Shut in June 17		172	14 at 11:00 AM		. (AM) (PM)	Taken_Ju	en June 18 20		14 _{at.} 2:30 P	.м.	M (AM) (PM)	
Well on Line:		Started												
	-					OBSERVI	D SURFAC	E DATA			Duration of Shut-	in_27	.5 Hours	
Static / Dynamic	Orifice Size	Circle one: Meter Prover Pressure		Pressure Differential	Flowing Temperature t	, ,	Cas Wellhead (P _w) or (F	Pressure	Wellhe	Tubing ead Pressure r (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Property	(inches)	psig (Pm))	Inches H ₂ 0		t	psig	psia	psig	psia	 	 		
Shut-In Flow							24#					0		
Flow		<u> </u>				EI OW ST	REAM ATTR	IBIITES	<u> </u>		<u> </u>	<u> </u>		
Plate Coefficcient (F _b) (F _p) Mcfd		Meter or Exter		Press Extension Pmxh	Grav Fact	rity	Flowing Temperature Factor F ₁₁		Deviation Factor F _{pv}		w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
(D.12		/D \3			•		/ERABILITY	•			· •	² == 0.2	207	
$(P_c)^2 = \frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$		$ \begin{array}{c c} (P_{w})^{2} = & \vdots \\ \hline (P_{c})^{2} - (P_{w})^{2} & \text{Choose farmula 1 or} \\ 1. \ P_{c}^{2} - P_{a}^{2} \\ 2. \ P_{c}^{2} - P_{d}^{2} \\ \text{divided by:} \ P_{c}^{2} - P \end{array} $		1. P _c ²-P _s ² 2. P _c ²-P _d ²	LOG of formula 1. or 2. and divide P2. D2		Backpre Stop	Ssure Curve pe = "n" - or signed lard Slope	n x	LOG [(P _d)	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			<u>.</u>											
Open Flow	<u> </u>			Mcfd @ 14.	65 psia		Deliverat	oility		-	Mcfd @ 14.65 psi	a		
	_	ed authority, o							_	ne above repo une,	ort and that he ha		vledge of 20 <u>14</u> .	
		Witness			-		_	9	Jan	y W	Loon!			
	-			·			_			`		/ <u>N</u> U	,U VVIU	
		For Com	missk							Che	ocked by	JL	JL 142	
													RECEIV	

exempt status und and that the fore correct to the bes	fer penalty of perjury under the laws of the state of Kansas that I am authorized to request the Rule K.A.R. 82-3-304 on behalf of the operator Cowley Energy Associates, LLC going pressure information and statements contained on this application form are true and the office of the total
	est a one-year exemption from open flow testing for the Born #4 well
	rounds that said well:
-	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 e to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: May 26, 20	
	Signature: Whomly Title: Manager

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**

JUL 14 2014