KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	at:				(See Instruc	tions on Rev	erse Side)					
Open Flow									•					
✓ Deliverabilty				Test Date: 08-13-2014					No. 15 7-23198-000	o .				
Company REDLAND RESOURCES, LLC					Lease RAY					20100 000		Well Number #22-2		
County Location BARBER NE/4			on	Section 22				RNG (E/W) 14W		Acres Attributed 160				
Field AETNA GAS AREA				Reservoir MISSISSIPPIAN				Gas Gathering Connection ATLAS GAS PIPELINE						
Completion Date 02/05/2009				Plug Back Total Depth 4965'			Packer S	Set at						
			Weigh 10.50			Internal Diameter 3.927"		Set at 4998'		orations '8'	то 4867'			
Tubing Size 2.375"			Weight 4.7#		Internal Diameter 1.995"		Set at 4764'		Perforations		То			
Type Cor	mpletic E ZO	on (D			Type Flui	d Production		<u> </u>	Pump U	nit or Traveling	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) TUBING				% Carbon Dioxide				% Nitrog		Gas Gra	Gas Gravity - G _g			
Vertical E		H)	<u>.</u>	<u> </u>		Pres	sure Taps				(Meter F	Run) (Pr	over) Size	
Pressure	Buildi	up:	Shut in _08-	13 2	14 at 8	25AM	(AM) (PM)	Taken 08	3-14	20	14 _{at_} 8:25AN	<u></u>	AM) (PM)	
Well on L	ine:		Started								at			
						OBSERVE	D SURFACE	DATA			Duration of Shut-	n_24	 Hours	
Static / Orifice Dynamic Size Property (inches)		ze	Circle one: Meter Prover Pressu		Flowing Well Head Temperature		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			psig (Pm)	Inches H ₂ 0	-		psig 250	psia	psig	psia	•	_		
Flow												_		
						FLOW STR	EAM ATTRII	BUTES			_			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fac F _e	tor	Flowing Deviate Factor F _{tt}		ctor R		GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	·	(P.)	= 0.20	 07	
(P _c) ² =			(P _w) ² =	:	P _d =		% (P _e	- 14.4) +	14.4 =	:		=	 -	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _d ² 1. or 2. and divide		Backpressi Slope o Assig Standard		nx	roe	Antilog	Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
													_	
		_												
Open Flow Mcfd @ 14.65 psia			65 psia	osia Deliverability			Mcfd @ 14.65 psia							
											rt and that he ha		•	
ure idois Si	iaieu 1	6161	n, and that Sa	id report is true	anu correc	. Executed	uns me <u></u>		day of	<u> </u>		, 2	<u>14</u> .	
			Witness (i	any)		KANSAS C	Received ORPORATION C	OMMISSIŌI	·	ForC	ompany			
For Commission					SEP 0 2 2014				Checked 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 REDLAND RESOURCES, 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 RAY #22-2
gas well 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. vis 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: 8/22/14
Signature: Title:

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.