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

Type Test	t: en Flo	w	0		(	See Instruct	ions on Reve	erse Side	)				
Deliverability					Test Date 08-19-2		API No. 15 033-21292-00-00						
Company REDLAND RESOURCES, LLC						Lease MICHAEL					Well Number #12-16		
County Location COMANCHE SE/4				on	Section 12		TWP 35S		RNG (E/W) 16W		Acres Attributed 320		
AETNA GAS AREA M					Reservoir MISSISSIPPIAN				nering Conne GAS PIPEL				
Completion Date 02/06/2002					Plug Bac 5392'	k Total Dept	Packer Set at N/A		et at				
Casing Size 4.5"			Weight 10.50#		Internal Diameter 3.876"		Set at 5463'		Perforations 5246'		To 5236'		
Tubing Size 2.375"			Weight 4.7#		Internal Diameter 1.995"		Set at 5374'		Perforations		То		
SINGLE ZONE C						Type Fluid Production CRUDE OIL/ SALT WATER				it or Traveling	_	/ No	
Producing Thru (Annulus / Tubing) TUBING				% C	% Carbon Dloxide			% Nitrog	en	Gas Gra	Gas Gravity - G		
Vertical D	epth(l	H)				Pres	sure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildu	ıp:	Shut in 08-	19 2	0 14 at 1	2:01PM	(AM) (PM)	raken_08	3-20	20	14 <sub>at</sub> 2:05PN	/ (AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
			<del></del>		·	OBSERVE	D SURFACE	DATA			Duration of Shut-	in_24 Hours	
Static / Orifice Dynamic Size Property (inches		:е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	Shut-In		1 - 0 ( ) - 1				psig psia 85		psig psia 225		<u> </u>		
Flow						_					_		
Γ	-					FLOW STR	EAM ATTRI	BUTES				<del></del>	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	Gravity Factor F <sub>g</sub>		Temperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Fe Barrel)	et/ Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>e</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =		-		ERABILITY)			ē	(P <sub>a</sub> ); (P <sub>a</sub> );	? = 0.207	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 of 2  1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" Assigned Standard Stope		, , , , ,		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		_			05 :-								
Open Flo				Mcfd @ 14.	· -		Deliverabil	•			Mcfd @ 14.65 psi		
				n behalf of the uid report is true							rt and that he ha	s knowledge of, 20	
			Witness (i				Received PRPORATION TO				Company		
							P 0 2 20		' 				
			For Comm	ISSION		JL	. 022(	)   4		Cher	ked 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 MICHAEL #12-16									
gas well on the grounds 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  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:     Check one									
Signature: 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.