## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:			(	See Instruci	tions on Re	verse Side	<del>)</del> )					
Open Flow			T1 D-1				451	N- 45				
Deliverabilty			Test Date 6-16-14				API No. 15 15-175-10020 <b>- 0000</b>					
Company Lime Rock Resources II-A, LP			Lease Handy				Well Number				mber	
County Location Seward SW-NE			Section 29		TWP 33S		RNG (E/	RNG (E/W)		Acres Attributed		
Field Arkalan	Reservoir Chester				Gas Gathering Connection Panhandle Eastern							
Completion Date 09/18/1961	Plug Back Total Depth 5833				Packer Set at None							
Casing Size Weight 4 1/2" 9.5			Internal I 4.090	Diameter	Set at <b>5873</b>		Perforations 5739		то 5782			
Tubing Size Weight 1.66 2.4			Internal Diameter Se 1.380 57				Perfor	ations	То			
Type Completion (E Single Gas	Type Fluid Production None				Pump Unit or Traveling Plunger? Yes / No							
Producing Thru (Ar Tubing	nnulus / Tubing)		% C	arbon Dioxi	de		% Nitroge	en	Gas Gr	avity - G	9	
Vertical Depth(H) 5760				Pres	sure Taps				(Meter 4	Run) (Pro	over) Size	
•							20 at			(AM) (PM)		
Well on Line: Started 6/17 20			14 at 7:50 AM (AM) (PM) Taken					20 at (AM) (PN			M) (PM)	
				OBSERVE	D SURFACI	DATA			Duration of Shut-	<sub>in_24</sub>	Hours	
Static / Orifice Dynamic Size Property (inches)	ic Size Meter Differential		Flowing Well Hear Temperature t		e Wellhead Pressure (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	paig (i iii) liiches 11 <sub>2</sub> 0				187	psia	psig psia				· · · · · · · · · · · · · · · · · · ·	
Flow				_								
	<u>'</u>	·		FLOW STR	EAM ATTR	BUTES	<u> </u>	_L		<u> </u>		
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	coefficient Meter or Extension (F <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure		Gravity Factor F <sub>a</sub>		Temperature F		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
	<u>,,                                    </u>		OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS	_				
(P <sub>c</sub> ) <sup>2</sup> =:	(P <sub>w</sub> ) <sup>2</sup> =	ose formula 1 or 2:	•	* *			14.4 =	:		2 = 0.20 2 =	, 	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 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>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		nхЏ	oe [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
										_		
Open Flow		Mcfd @ 14.6			Deliverability					fd @ 14.65 psia		
	d authority, on b		`	tates that he		<u> </u>	make the		<u>.</u>		ndao et -	
the facts stated there			and correct	. Executed	this the	2	day of	July	T and that he ha	, 20		
	Witness (if an	у)		JL 16 2	_	04	<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	For Ce	offipany			
									_			

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 Lime Rock Resources II-A, LP 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 Handy #1
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. 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: 7/10/15
Received KANSAS CORPORATION COMMISSION  JUL 1 6 2015  CONSERVATION DIVISION WICHITA, KS

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.