Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:					(See Instruc	ctions on Re	verse Side	e)						
:	en Flo liverab				Test Dat 4/28/1					No. 15 175-20465	-0000	,			
Company Lime Rock Resources II-A, LP						Lease Hacker					Well Number 2-1				
County Seaward			Location SW		Section 1	Section 1		TWP 34S		RNG (E/W) 34W			Acres Attributed 640		
Field Archer						Reservoir Morrow		Gas G WNG		Gathering Connection					
Completion Date 8/04/1980					Plug Ba 6637	Plug Back Total Depth 6637		Packer None		et at '					
Casing Size 4 1/2"			Weigh 10.5	nt	Internal Diameter 4.052		Set at 6503		Perforations 6028			To 5995			
Tubing Size 2 1/16"			Weigl 3.25	nt	Internal Diame 1.751		Set at 6025		Perforations			То			
Type Con Single C		n (De	escribe)		Type Fit None	aid Production	on		Pump Uni No	it or Traveling	Plunger?	Yes	/ No		
Producing Tubing	g Thru	(Anr	nulus / Tubin	g)	%	Carbon Diox	ride		% Nitroge	en		Gas Gr	avity - G	9	
Vertical Depth(H) 6035						Pres	ssure Taps			_		(Meter I 3	Run) (Pr	over) Size	
Pressure	Buildu	p: :	Shut in 4/2		20 15 at 1			Taken		20	at		(/	 AM) (PM)	
Well on L	ine:		Started 4/2	9 	20 15 at 1	11:30 PM	(AM) (PM)	Taken		20	at	<u> </u>	(AM) (PM)	
						OBSERVI	ED SURFACI	E DATA		•	Duration (of Shut-	_{in 24}	Hours	
Static / Orifice Dynamic Size Property (inches)		e	Circle one: Meter Prover Press psig (Pm)	Pressure Differentia in Inches H _a	remperature	Well Head e Temperature t	I Mollhood Proceuro		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In				2			232	psia	232	рыд			_		
Flow															
				1	- -	FLOW ST	REAM ATTR	BUTES	•						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter of Prover Pressure psia		Press Extension √P _m xh	Fa	avity octor F _g	Tomporaturo		riation actor = pv	Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
				<u> </u>	(075)							_			
(P _c) ² =		_;	(P _w) ² =	<u>:</u>	P _a =	=	VERABILITY	-	.ATIONS · 14.4 =	;		(P _a) (P _d)	2 = 0.20 2 =	07 	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 of 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - F_d^2$	LOG of formula 1, or 2, and divide		Backpressure Slope = " or Assigne Standard S		n x I	og [Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
				_			_								
Open Flo	w			Mofd @ 1	4.65 psia		Deliverab	ility			Mofd @ 1	4.65 psi	a		
The	unders	gned	authority, c	n behalf of th	e Company,	states that	he is duly at	uthorized t	o make th	e above repor	t and tha	at he ha	ıs knowl	edge of	
the facts s	tated ti	nerei	n, and that s	aid report is tr		ect. Executed Received RPORATION CO	(7W	day of De	ecember	Q 1.		, 2	<u>15</u> .	
	<u> </u>		Witness	(if any)		B 2 5 20		<u>יעיע</u>		For C	ompany 0		-		
			For Com	πission	CONSE	RVATION DIV	ISION		<u> </u>	Chec	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 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 Hacker 2-1
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: 12/7/2015
Signature: Many Much
Received KANSAS CORPORATION COMMISSION Title: Production Analyst
FEB 2 5 2016
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.