KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

7

Type Test	t:				(See Instruc	tions on Rev	rerse Side))				
□ Ор	en Flo	w			Test Date				ADI	No 1E			
De'	liverat	oilty			6-17-14					No. 15 175-20465	- 0000		
Company Lime Ro		leso	urces II-A	, LP	_ .		Lease Hacker	_			2-1	Well Nu	ımber
County Seward			Locat SW	ion	Section 1		TWP 34S		RNG (E/W) 34W			Acres Attributed 640	
Field Archer					Reservoir Morrow				Gas Gai WNG	thering Conn	ection		
Completic 08/04/1		te			Plug Bac 6637	k Total Dept	th		Packer S None	Set at	·		
Casing Size 4 1/2"			Weigh 10.5	nt	Internal 1 4.052	Diameter	Set a 6503	602		rations 8	то 6039		
Tubing Size 21/16"			Weigh 3.25	nt	Internal [1.751	Diameter	iameter Set at 6025		Perforations		То		
Type Con Single C		n (D	escribe)		Type Flui None	d Production	n		Pump U No	nit or Traveling	Plunger? Yes	/ No	
Producing Tubing	g Thru	(Ani	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	jen	Gas G	iravity - (G _,
Vertical D	epth(l	H)				Pres	sure Taps				(Meter 3	Run) (P	rover) Size
Pressure	Buildu		Shut in 6/1				(AM) (PM)	Taken		20	at		(AM) (PM)
Well on L	ine:		Started 6/1	8 2	o <u>14</u> at <u>1:</u>	00 PM	(AM) (PM)	Taken		20	at		(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shu	t-in_24	Hours
Static / Dynamic Property	Orif Siz (inch	e	Circle one: Meter Prover Press:	I	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P _w) or (P,	Pressure	Wellhe	Tubing ead Pressure r (P ₁) or (P ₀)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0			psig 222	psia	psig 222	psia			
Flow										-			
				1		FLOW STR	REAM ATTRI	BUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension √P _m xh	Grav Fact	Tomporature		l Fa	riation actor = pv	Metered Flov R (Mcfd)	GOR (Cubic F Barret	eet/	Flowing Fluid Gravity G _m
					(OPEN EL	OWN (DELIV	ERABILITY)	CALCIII	ATIONS				<u> </u>
(P _c) ² =		_:_	(P _w) ² =		P _d =			· 14.4) +		:) ² = 0.2) ² =	
(P _c) ² - (F or (P _c) ² - (F		(F	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: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P.2- P.2	Slop Ass	sure Curve e = "n" or igned ırd Slope	l n x	LOG	Antilog .	Del Equals	oen Flow iverability BR x Antilog (Mcfd)
Open Flor				Mcfd @ 14.	65 nsia		Deliverabi				Mcfd @ 14.65 ps	eia.	
		!	d ===4t ===**	<u>-</u>	•			•	1 ···	Ŧ	<u></u>		1
		-	•	n behalf of the	and correc		this the	thorized t	day of	Sulp	rt and that he h	as know	20 15.
			Witness (if any)		L 16 2	_	L	ニフ	Jack .	ompany		
			For Comm	nission	CONSE	RVATION DIV		ノ	1	Chec	ked by		

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Lime Rock Resources II-A, LP						
	going pressure information and statements contained on this application form are true and						
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records						
of equipment insta	allation and/or upon type of completion or upon use being made of the gas well herein named.						
I hereby requ	est a one-year exemption from open flow testing for the Hacker #2-1						
gas well on the gr	ounds that said well:						
(Check							
	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 y to corroborate this claim for exemption from testing.						
Date: 7/10/15							
KANSAS CORF	eceived ORATION COMMISSION 1 6 2015 Title: The slutton analytic or a light of the commission of the						

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.