KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

type tes	st:				(See Instruc	tions on Hev	rerse Side	?)				
	pen Flow eliverabil			Test Dat 11-19-2					No. 15 119-10086 -	-0xx		
Compan Rama C		g Co., Inc		11-19-2		Lease Gano		10-	119-10000		Well Nu	mber
County Location Meade			Section 17		TWP 31		RNG (E/W) 29w			Acres Attributed		
Field Hockett				Reservoir Kinderhook			Gas Gathering Connection Oneok					
Completion Date 12-13-1957			Plug Bac	Plug Back Total Depth			Packer S					
Casing S 5 1/2	Size	Weight 15.5		Internal Diameter		Set at 5549		Perforations 5458		To 5466		
Tubing S 2 3/8	ubing Size Weight 3/8			Internal Diameter Set at 5430				Perforations To				
Type Completion (Describe) Single (Gas) Production Thru (Appulus / Tubica)					Type Fluid Production water			Pump Unit or Traveling Plunger? Yes flowing			(M)	
Producing	省 Thru (Annulus / Tubin	DEC 142	/6 C	Carbon Dioxi	de		% Nitroge	en	Gas Gr	avity - C	ào
Vertical D	Depth(H)	1/0	20 14404	1150		sure Taps		di III.		•	, ,	rover) Size
•			Shut in20		1 46 at		(AM) (PM) Taken		20	at	(AM) (PM)
Well on L	ine:	Started 11-	23 2	0 <u>10</u> at	*************************************	(AM) (PM)	Taken		20	at	(AM) (PM)
	I	Circle one:	Pressure		OBSERVE	D SURFACE		I		Duration of Shut-	in 96	Hou
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pressi	Differential	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In						480	·	Port Posta				
Flow											<u>.</u>	
				1	FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Gravity T		Flowing Device Factor F _{rr}		iation Metered Flow ctor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
								·				<u> </u>
P _c) ² =		: (P _w) ² =		(OPEN FLO		ERĄBILITY) 6 (P _e	- 14.4) +		<u> </u> :	(P _a) (P _d)	² = 0.20) 7
(P _c) ² - (F or (P _c) ² - (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 _c ² - P _w ²	Backpressure Curve Slope = "n"		n x 1.06		Antilog	Open Flow Deliverability Èquals R x Antilog (Mcfd)	
			- W					·				
Open Flo	w		Mcfd @ 14.	SE pois		Dolling to the		andre leave true		144 @ 44 0F = -1		
The u	undersigi	ned authority, or	behalf of the	Company, s			norized to	make the	above repo	Mcfd @ 14.65 psi	s knowl	ledge of
		Witness (if	any)			-			For C	ompany	· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·		For Commi	ssion	-Barrier					Chan	kád hu		

	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Rama Operating Co., Inc.
	ping pressure information and statements contained on this application form are true and
	of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named.
	st a one-year exemption from open flow testing for the Gano
	unds that said well:
(Check d	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
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12-13-2010	
•	
	Signature:
	Title: Vice 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.