

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
02-18-2014

API No. 15
15-175-50004-00-00

Company Rama Operating Co., Inc			Lease Patterson		Well Number 1
County Seward	Location C-Ne-Sw	Section 28	TWP 33s	RNG (E/W) 33w	Acres Attributed 80
Field Evalyn		Reservoir Marmaton/Morrow		Gas Gathering Connection Anadarko	
Completion Date 02/1967		Plug Back Total Depth		Packer Set at	
Casing Size 5.5	Weight	Internal Diameter	Set at 6552	Perforations 5218-22	To 5823-28
Tubing Size 2.375	Weight	Internal Diameter	Set at 6300	Perforations	To
Type Completion (Describe)		Type Fluid Production Oil/Water		Pump Unit or Traveling Plunger? Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in 02-18 20 14 at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					
Well on Line: Started 02-19 20 14 at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					

KCC WICHITA
OCT 20 2015
RECEIVED

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						42					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_d)² = 0.207
(P_d)² = _____

(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _d ² 2. P _c ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: P _c ² - P _w ²	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow

Mcfd @ 14.65 psia

Deliverability

Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the _____ day of _____, 20_____.

Witness (if any)

For Company

For Commission

Checked 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 Rama Operating Co., Inc 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 Patterson #1 gas well on the grounds that said well:

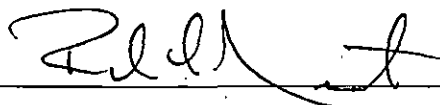
(Check one)

- 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: 10/19/2015

KCC WICHITA
OCT 20 2015
RECEIVED

Signature: 
Title: VP

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.



RAMA OPERATING CO., INC.

**P.O. Box 159
Stafford, KS. 67578
(620) 234-5191
(620) 234-5410 Fax**

MEMO

**KCC WICHITA
OCT 20 2015
RECEIVED**

October 19, 2015

Jim,

This shut-in for the Patterson was recorded on the gauges when the pumping unit was down for repairs. I will obtain a shut-in in the next couple of weeks with the unit running. If this is not acceptable, then I will have an open flow test preformed.

If you have question, please contact me at this office or ra@ramaop.com.

Thanks,

Robin Austin.

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

October 13, 2015

Robin Austin
RAMA Operating Company, Inc.
P.O. Box 159
Stafford, KS. 67578-0159

KCC WICHITA
OCT 20 2015
RECEIVED

Re: ~~Well #15-175-50,004-0000 Gas Test or Exemption - 30-day deadline~~

T.O. Patterson #1 15-175-50,004-0000 Sec. 28-33S-33W Seward County

Dear Mr. Austin:

KCC records indicate the above well is in violation of K.A.R. 82-3-304, which requires either an open flow test or possibly an exemption-claim due if its daily production has been under 250 Mcf. Either one or the other of these two regulatory options must be exercised. The KCC form that will achieve one of the two options (the same form gets utilized in either choice-of-response to this letter and would have satisfied state-testing liability for calendar year 2014) was due in this KCC office before the end of the previous calendar year. Either the gas test (if it has already been performed but not filed with this office) or the exemption-claim can still be submitted at this time by filling out a **Form G-2**, available online on the KCC website at kcc.ks.gov under the header "FORMS".

This letter is your only warning that this well has violated the testing regulation. The Form G-2 must be submitted within 30 days of the date of this letter. An exemption-claim must be accompanied by a shut-in pressure. Negative or zero psig shut-in pressure readings are not valid. Upon submission of an approved exemption-claim, the daily allowable of 250 Mcf/Day will be retroactively allocated to the gas well so as to cover the total gas sales which occurred from the gas well over the course of the preceding year.

If you do not submit an approved Form G-2 by the 30-day deadline, Production Staff will submit this matter to our Legal Department for enforcement action. A resulting penalty order may include the following: 1) a \$500 penalty fine per violation; 2) an order to perform the open flow test within 30 days (precluding exemption for the preceding calendar year).

Thank you for your prompt attention to this matter, and please call with any questions.

Sincerely,

Jim Hemmen
KCC Production Staff