

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **BSI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
4/23/2008

API No. 15
023-20536-00 **00**

Company Rosewood Resources, Inc.		Lease Raymond		Well Number 3-4	
County Cheyenne	Location SESE	Section 4	TWP 3S	RNG (E/W) 42W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10-7-2005		Plug Back Total Depth 1773'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1777'	Perforations 1578'	To 1613'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production Dry Gas		Pump Unit or Traveling Plunger? Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1613'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 4-23 20 08 at 12:00 (AM) (PM)		Taken 4-24 20 08 at 1:20 (AM) (PM)			
Well on Line: Started 4-24 20 08 at 1:20 (AM) (PM)		Taken 4-25 20 08 at 2:00 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (P _m)	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						114	128.4				
Flow						90	104.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						14		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(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 by: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	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 20 day of January, 2009.

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KANSAS CORPORATION COMMISSION

Wayne Mahan
For Company

Witness (if any)

For Commission

MAR 27 2009

Checked by

CONSERVATION DIVISION
WICHITA, KS

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 Rosewood Resources, 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 Raymond 3-4 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: 1/20/09

Signature: Wayne Maken
Title: Production Foreman

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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.

W367
 Raymond 3-4
 West St. Francis
 St. Francis
 Pumping Unit/Gas
 April-08

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
4/1/2008		89	19	3.5	24	0	13	
4/2/2008		89	19	3.5	24	0	14	
4/3/2008		91	19	3.5	24	0	14	bucket test 12
4/4/2008		94	19	3.5	24	0	15	
4/5/2008		102	19	3.5	24	0	14	
4/6/2008		103	19	3.5	24	0	14	
4/7/2008		111	19	0	0	0	0	shut off pump / HFP
4/8/2008		105	18	0	0	0	0	shut off pump / HFP
4/9/2008		86	18	0	0	3/4	0	shut off pump / HFP
4/10/2008		86	18	0	0	0	0	shut off pump / HFP
4/11/2008		86	16	0	0	0	0	shut off pump / HFP
4/12/2008		86	16	0	0	0	0	shut off pump / HFP
4/13/2008		86	16	0	0	0	0	shut off pump / HFP
4/14/2008		82	16	0	0	0	0	shut off pump / HFP
4/15/2008		89	16	0	0	0	0	shut off pump / HFP
4/16/2008		114	15	0	0	0	0	shut off pump / HFP
4/17/2008		116	16	0	0	0	0	shut off pump / HFP
4/18/2008		128	16	0	0	0	0	shut off pump / HFP
4/19/2008		136	18	0	0	0	0	shut off pump / HFP
4/20/2008		114	15	0	0	0	0	shut off pump / HFP
4/21/2008		93	15	0	0	0	0	shut off pump / HFP
4/22/2008		141	13	0	0	0	0	shut off pump / HFP
4/23/2008		153	0	0	0	24	0	shut off pump / HFP
4/24/2008		107	18	0	0	3	0	shut off pump / HFP
4/25/2008		102	17	0	0	0	0	shut off pump / HFP
4/26/2008		97	16	0	0	0	0	shut off pump / HFP
4/27/2008		105	16	0	0	0	0	shut off pump / HFP
4/28/2008		101	16	0	0	0	0	shut off pump / HFP
4/29/2008		184	15	0	0	0	0	shut off pump / HFP
4/30/2008		106	19	0	0	0	0	shut off pump / HFP
5/1/2008								

Total

492

84

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W367
 Raymond 3-4
 West St. Francis
 St. Francis
 Pumping Unit/Gas
 May-08

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
5/1/2008			100	17	0 0	0	0	pump off hfp
5/2/2008			100	17	0 0	0	0	pump off hfp
5/3/2008			115	16	0 0	0	0	pump off hfp
5/4/2008			106	16	0 0	0	0	pump off hfp
5/5/2008			102	15	0 0	0	0	pump off hfp
5/6/2008			98	15	0 0	0	0	pump off hfp
5/7/2008			100	15	0 0	0	0	pump off hfp
5/8/2008			99	15	0 0	0	0	pump off hfp
5/9/2008			100	15	0 0	0	0	pump off hfp
5/10/2008			94	14	0 0	0	0	pump off hfp
5/11/2008			94	14	0 0	0	0	pump off hfp bp
5/12/2008			96	14	0 0	0	0	pump off hfp
5/13/2008			90	14	0 0	0	0	pump off hfp
5/14/2008			90	14	0 0	0	0	pump off hfp
5/15/2008		75	89	14	0 0	0	0	shut in for test
5/16/2008		165	95	2	0 0	0	0	open
5/17/2008			94	16	0 0	0	0	pump off / HFP
5/18/2008			122	15	0 0	0	0	pump off / HFP
5/19/2008			128	17	0 0	0	0	pump off hfp
5/20/2008			92	16	0 0	0	0	pump off/hfp
5/21/2008			96	16	0 0	0	0	pump off hfp
5/22/2008			89	14	0 0	0	0	pump off hfp
5/23/2008			89	14	0 0	0	0	pump off hfp
5/24/2008			89	14	0 0	0	0	pump off hfp
5/25/2008			90	14	0 0	0	0	pump off hfp bp
5/26/2008			90	14	0 0	0	0	pump off hfp
5/27/2008			85	14	0 0	0	0	pump off hfp
5/28/2008			85	14	0 0	0	0	pump off hfp
5/29/2008			93	14	0 0	0	0	pump off hfp
5/30/2008			97	14	0 0	0	0	pump off hfp
5/31/2008			95	14	0 0	0	0	pump off hfp

Total

447

0

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W367
 Raymond 3-4
 West St. Francis
 St. Francis
 Pumping Unit/Gas
 June-08

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
6/1/2008			96	14	0 0	0	0	pump off HFP
6/2/2008			102	14	0 0	0	0	pump off HFP
6/3/2008			102	14	0 0	0	0	pump off HFP
6/4/2008			99	14	0 0	0	0	pump off HFP
6/5/2008			99	14	0 0	0	0	pump off HFP
6/6/2008			101	14	0 0	0	0	pump off HFP
6/7/2008			101	15	0 0	0	0	pump off HFP
6/8/2008			101	15	0 0	0	0	pump off HFP
6/9/2008			156	13	0 0	0	0	pump off HFP
6/10/2008			184	14	0 0	0	0	pump off HFP
6/11/2008			184	14	0 0	0	0	pump off HFP
6/12/2008			184	14	0 0	0	0	pump off HFP
6/13/2008			184	14	0 0	0	0	pump off HFP
6/14/2008			184	14	0 0	0	0	pump off HFP
6/15/2008			96	13	0 0	0	0	pump off HFP
6/16/2008			90	13	0 0	0	0	pump off HFP
6/17/2008			117	13	0 0	0	0	pump off HFP
6/18/2008			87	13	0 0	0	0	pump off HFP
6/19/2008			97	13	0 0	0	0	pump off HFP
6/20/2008			98	13	0 0	0	0	pump off HFP
6/21/2008			95	13	0 0	0	0	pump off HFP
6/22/2008			97	13	0 0	0	0	pump off hfp bp
6/23/2008			97	13	0 0	0	0	pump off hfp
6/24/2008			114	13	0 0	0	0	pump off/ hfp
6/25/2008			114	13	0 0	0	0	pump off/ hfp
6/26/2008			114	13	0 0	0	0	pump off / HFP
6/27/2008			114	13	0 0	0	0	pump off / HFP
6/28/2008			113	13	0 0	0	0	pump off / HFP
6/29/2008			114	13	0 0	0	0	pump off / HFP
6/30/2008			114	13	0 0	0	0	pump off/HFP
7/1/2008							0	

Total

405

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