

# KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow  **SI**  
 Deliverability

Test Date:  
6/25/2008

API No. 15  
181-20492-01 **00**

Company  
Rosewood Resources, Inc.

Lease  
Tompkins

Well Number  
14-06H

County Location  
Sherman SWSW/4

Section  
6

TWP  
9S

RNG (E/W)  
39W

Acres Attributed  
80

Field  
Goodland

Reservoir  
Niobrara

Gas Gathering Connection  
Branch Systems Inc.

Completion Date  
2/11/2007

Plug Back Total Depth  
3189

Packer Set at

Casing Size Weight  
4 1/2" 10.5#

Internal Diameter  
4.000

Set at  
3189'

Perforations  
3122'

To  
3137'

Tubing Size Weight  
NONE

Internal Diameter

Set at

Perforations

To

Type Completion (Describe)  
Single (Horizontal)

Type Fluid Production  
Dry Gas

Pump Unit or Traveling Plunger? Yes  No

Producing Thru (Annulus / Tubing)  
Annulus

% Carbon Dioxide

% Nitrogen

Gas Gravity - G<sub>g</sub>  
.6

Vertical Depth(H)  
3226'

Pressure Taps  
Flange

(Meter Run) (Prover) Size  
2"

Pressure Buildup: Shut in 6-25 20 08 at 10:45 (AM) (PM) Taken 6-26 20 08 at 11:00 (AM) (PM)

Well on Line: Started 6-26 20 08 at 11:00 (AM) (PM) Taken 6-27 20 08 at 10:49 (AM) (PM)

### OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						4	18.4				
Flow						6	20.4			72	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>tt</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						3		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>a</sub>)<sup>2</sup> = 0.207

(P<sub>g</sub>)<sup>2</sup> = \_\_\_\_\_

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ ; (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ ; P<sub>g</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>g</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>g</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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 18 day of December 20 08

Witness (if any)

For Commission

For Company

Checked by

**KANSAS CORPORATION COMMISSION**  
**JAN 29 2009**  
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*Tom W. Roelke*  
For Company

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 Tompkins 14-06H 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: 12/18/08

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Signature: *Tom W Roelke*

Title: Production Foreman

**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.

W2422  
 Tompkins 14-06H  
 South Goodland  
 Goodland  
 None  
 June-08

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
6/1/2008	4	17		3	0	
6/2/2008	4	17		3	0	
6/3/2008	4	17		3	0	
6/4/2008	4	17		3	0	
6/5/2008	4	17		3	0	
6/6/2008	4	17		3	0	
6/7/2008	4	17		3	0	
6/8/2008	4	17		3	0	
6/9/2008	4	17		3	0	
6/10/2008	4	17		3	0	
6/11/2008	4	17		3	0	
6/12/2008	4	17		3	0	
6/13/2008	4	17		3	0	
6/14/2008	4	17		3	0	
6/15/2008	4	17		3	0	
6/16/2008	4	17		3	0	
6/17/2008	4	17		3	0	
6/18/2008	4	17		3	0	
6/19/2008	4	17		3	0	
6/20/2008	4	17		3	0	
6/21/2008	5	18		3	0	
6/22/2008	5	18		3	0	
6/23/2008	6	19		3	0	
6/24/2008	6	19		3	0	
6/25/2008	6	19		3	0	
6/26/2008	6	19		3	0	24 shut in 10:45am
6/27/2008	7	20		0	0	open 10:49am flow 5
6/28/2008	6	19		3	0	
6/29/2008	6	19		3	0	
6/30/2008	6	19		3	0	
7/1/2008					0	

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Total

87

W2422  
 Tompkins 14-06H  
 South Goodland  
 Goodland  
 None  
 July-08

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
7/1/2008	6	19		2	0	
7/2/2008	6	19		2	0	
7/3/2008	6	19		3	0	
7/4/2008	6	19		3	0	
7/5/2008	6	19		3	0	
7/6/2008	6	19		3	0	
7/7/2008	6	19		3	0	
7/8/2008	6	19		3	0	
7/9/2008	6	19		3	0	
7/10/2008	6	19		3	0	
7/11/2008	6	19		3	0	
7/12/2008	6	19		3	0	
7/13/2008	6	19		3	0	
7/14/2008	6	19		3	0	
7/15/2008	6	19		3	0	
7/16/2008	6	19		3	0	
7/17/2008	6	19		3	0	
7/18/2008	6	19		3	0	
7/19/2008	6	19		3	0	
7/20/2008	6	19		3	0	
7/21/2008	6	19		3	0	
7/22/2008	6	19		3	0	
7/23/2008	6	19		3	2	
7/24/2008	7	20		2	0	
7/25/2008	6	19		3	0	
7/26/2008	6	19		3	0	
7/27/2008	6	19		3	0	
7/28/2008	6	19		3	0	
7/29/2008	6	19		3	0	
7/30/2008	6	19		3	0	
7/31/2008	6	19		2	0	

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Total

89

W2422  
 Tompkins 14-06H  
 South Goodland  
 Goodland  
 None  
 August-08

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
8/1/2008				0	Waiting for solar panels
8/2/2008				0	
8/3/2008				0	
8/4/2008				0	
8/5/2008				0	
8/6/2008				0	
8/7/2008				0	
8/8/2008				0	
8/9/2008				0	
8/10/2008				0	
8/11/2008				0	
8/12/2008				0	
8/13/2008				0	
8/14/2008				0	
8/15/2008				0	
8/16/2008				0	
8/17/2008				0	
8/18/2008				0	
8/19/2008				0	
8/20/2008				0	
8/21/2008				0	
8/22/2008				0	
8/23/2008				0	
8/24/2008				0	
8/25/2008				0	
8/26/2008				0	
8/27/2008				0	
8/28/2008				0	
8/29/2008				0	
8/30/2008				0	
8/31/2008				0	

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Total 0