

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow  **SI**

Deliverability

Test Date:  
6/19/2008

API No. 15  
181-20493-01

Company  
Rosewood Resources, Inc.

Lease  
Phipps

Well Number  
21-07H

County Location  
Sherman NENW

Section  
7

TWP  
9S

RNG (E/W)  
39W

Acres Attributed  
80

Field  
Goodland

Reservoir  
Niobrara

Gas Gathering Connection  
Branch Systems Inc.

Completion Date  
2/5/2007

Plug Back Total Depth  
2954'

Packer Set at

Casing Size  
4 1/2"

Weight  
10.5#

Internal Diameter  
4.000

Set at  
2954'

Perforations  
2884'

To  
2899'

Tubing Size  
NONE

Weight

Internal Diameter

Set at

Perforations

To

Type Completion (Describe)  
Single (Horizontal)

Type Fluid Production  
Dry Gas

Pump Unit or Traveling Plunger? Yes /  No  
Flowing

Producing Thru (Annulus / Tubing)  
Annulus

% Carbon Dioxide

% Nitrogen

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

Vertical Depth(H)  
3183'

Pressure Taps  
Flange

(Meter Run) (Prover) Size  
2"

Pressure Buildup: Shut in 6-19 20 08 at 10:42 (AM) (PM) Taken 6-20 20 08 at 12:00 (AM) (PM)

Well on Line: Started 6-20 20 08 at 12:00 (AM) (PM) Taken 6-21 20 08 at 12:05 (AM) (PM)

### OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (P <sub>m</sub> )	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						7	21.4				
Flow						6	20.4			72	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>s</sub> ) (F <sub>a</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>
						6		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ : (P<sub>s</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>s</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</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>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</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 <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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 2008

Witness (if any)

KANSAS CORPORATION COMMISSION

For Company

For Commission

Checked by

JAN 29 2009

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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 Phipps 21-07H gas well on the grounds that said well:

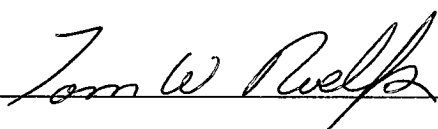
(Check one)

- 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:   
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.

W2431  
 Phipps 21-07H  
 South Goodland  
 Goodland  
 None  
 June-08

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
6/1/2008	7	20		6	0	
6/2/2008	7	20		6	0	
6/3/2008	7	20		6	0	
6/4/2008	7	20		6	0	
6/5/2008	7	20		6	0	
6/6/2008	7	20		6	0	
6/7/2008	7	20		6	0	
6/8/2008	7	20		6	0	
6/9/2008	7	20		6	0	
6/10/2008	7	20		6	0	
6/11/2008	7	20		6	0	
6/12/2008	7	20		6	0	
6/13/2008	7	20		6	0	
6/14/2008	7	20		6	0	
6/15/2008	7	20		6	0	
6/16/2008	7	20		6	0	
6/17/2008	7	20		6	0	
6/18/2008	7	20		6	0	
6/19/2008	7	20		6	0	
6/20/2008	7	20		6	0	24 shut in 10:42am
6/21/2008	17	30		0	0	open 12:05pm flow 38
6/22/2008	5	18		6	0	
6/23/2008	5	18		6	0	
6/24/2008	5	18		6	0	
6/25/2008	5	18		6	0	
6/26/2008	5	18		6	0	
6/27/2008	5	18		6	0	
6/28/2008	6	19		6	0	
6/29/2008	6	19		6	0	
6/30/2008	6	19		6	0	
7/1/2008					0	

Total

174

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W2431  
 Phipps 21-07H  
 South Goodland  
 Goodland  
 None  
 July-08

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

Total

184

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W2431  
 Phipps 21-07H  
 South Goodland  
 Goodland  
 None  
 August-08

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

Total

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