

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

Type Test:

- Open Flow  
 Deliverability

SI

(See Instructions on Reverse Side)

Test Date:  
9/12/2007

API No. 15  
181-20367-01-00

Company Rosewood Resources, Inc.		Lease C. Stasser		Well Number 1-9H	
County Sherman	Location SESE/4	Section 9	TWP 7S	RNG (E/W) 39W	Acres Attributed 80
Field Goodland		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 8/27/2005		Plug Back Total Depth 2705'		Packer Set at	
Casing Size 4 1/2"	Weight 11.6#	Internal Diameter 4.000	Set at 2705'	Perforations 2622'	To 2638'
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 / <input checked="" type="checkbox"/> No Flowing	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1020'		Pressure Taps Flange		Gas Gravity - G <sub>g</sub> .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 9-12 20 07 at 12:00 (AM) <input checked="" type="checkbox"/> (PM)		Taken 9-13 20 07 at 12:00 (AM) <input checked="" type="checkbox"/> (PM)			
Well on Line: Started 9-13 20 07 at 12:00 (AM) <input checked="" type="checkbox"/> (PM)		Taken 9-14 20 07 at 1:40 (AM) <input checked="" type="checkbox"/> (PM)			

### OBSERVED SURFACE DATA

Duration of Shut-in 24 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						12	26.4				
Flow						11	25.4			24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</sub> ) (F <sub>v</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>
						31		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

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

(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>c</sub> ) <sup>2</sup> - (P <sub>a</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>a</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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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 November, 20 07.

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KANSAS CORPORATION COMMISSION  
*Wayne Graham For Tom Roelfs*  
For Company

Witness (if any)

For Commission

JAN 15 2008

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 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 C. Stasser 1-9H 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: 11/20/2007

Signature: Wayne Graham For Tom Rozefs

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.

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CONSERVATION DIVISION  
WICHITA, KS

W425  
 C. Stasser 1-9H  
 North Goodland  
 Goodland  
 None  
 September-07

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
9/1/2007	13	26	31	0		
9/2/2007	13	26	31	0		
9/3/2007	13	26	31	0		
9/4/2007	13	26	31	0		
9/5/2007	13	26	31	0		
9/6/2007	12	25	31	0		
9/7/2007	12	25	31	0		
9/8/2007	12	25	31	0		
9/9/2007	12	25	31	0		
9/10/2007	12	25	31	0		
9/11/2007	12	25	31	2		
9/12/2007	12	25	31	4.5	si12 cp12	
9/13/2007	17	30	7	0	open12 cp17	
9/14/2007	14	27	30	0		
9/15/2007	13	26	31	0		
9/16/2007	13	26	29	3		
9/17/2007	12	25	29	0		
9/18/2007	12	25	29	0		
9/19/2007	12	25	29	0		
9/20/2007	12	25	30	0		
9/21/2007	12	25	30	0		
9/22/2007	12	25	30	0		
9/23/2007	12	25	30	0		
9/24/2007	12	25	29	0		
9/25/2007	12	25	29	0		
9/26/2007	12	25	29	0		
9/27/2007	11	24	42	0		
9/28/2007	11	24	31	0		
9/29/2007	11	24	31	0		
9/30/2007	11	24	31	0		
10/1/2007				0		

Total

898

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CONSERVATION DIVISION  
 WICHITA, KS

W425

C. Stasser 1-9H

North Goodland

Goodland

None

October-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
10/1/2007	11	24		30	0
10/2/2007	11	24		30	0
10/3/2007	11	24		30	0
10/4/2007	11	24		30	0
10/5/2007	11	24		30	0
10/6/2007	11	24		30	0
10/7/2007	11	24		30	0
10/8/2007	11	24		31	0
10/9/2007	11	24		31	0
10/10/2007	11	24		31	0
10/11/2007	11	24		31	0
10/12/2007	11	24		31	0
10/13/2007	11	24		30	0
10/14/2007	11	24		30	0
10/15/2007	10	23		28	0
10/16/2007	10	23		28	0
10/17/2007	10	23		28	0
10/18/2007	10	23		28	0
10/19/2007	10	23		28	0
10/20/2007	10	23		28	0
10/21/2007	10	23		28	0
10/22/2007	10	23		28	0
10/23/2007	10	23		30	0
10/24/2007	10	23		30	0
10/25/2007	10	23		30	0
10/26/2007	10	23		29	0
10/27/2007	10	23		29	0
10/28/2007	10	23		29	0
10/29/2007	10	23		29	0
10/30/2007	10	23		29	0
10/31/2007	10	23		29	0

Total

913

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CONSERVATION DIVISION  
WICHITA, KS

W425

C. Stasser 1-9H

North Goodland

Goodland

None

November-07

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
11/1/2007	9	22	28	0	
11/2/2007	9	22	28	0	
11/3/2007	8	21	25	0	
11/4/2007	8	21	25	0	0 bp
11/5/2007	8	21	25	0	
11/6/2007	8	21	25	0	
11/7/2007	8	21	25	0	
11/8/2007	16	29	19	6	
11/9/2007	12	25	19	3	
11/10/2007	10	23	28	0	
11/11/2007	10	23	28	0	
11/12/2007	10	23	28	0	0 bp
11/13/2007	10	23	28	0	
11/14/2007	10	23	28	1	
11/15/2007	11	24	27	3	3 bp
11/16/2007	10	23	27	12	
11/17/2007	16	29	8	7	
11/18/2007	11	24	17	0	0 bp
11/19/2007	10	23	29	0	0 bp
11/20/2007	10	23	29	0	
11/21/2007	11	24	29	0	
11/22/2007	10	23	27	2	
11/23/2007	10	23	25	2	
11/24/2007	10	23	27	0	
11/25/2007	10	23	27	0	
11/26/2007	12	25	27	2	
11/27/2007	10	23	27	0	
11/28/2007	10	23	27	0	
11/29/2007	10	23	27	0	
11/30/2007	10	23	23	3	3 bp
12/1/2007				0	

Total

762

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