

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

Type Test:

- Open Flow  **SI**  
 Deliverability

(See Instructions on Reverse Side)

Test Date:  
7/22/2008

API No. 15  
181-20462-01-00

Company Rosewood Resources, Inc.		Lease Fitzgibbons		Well Number 34-11H	
County Sherman	Location SWSE/4	Section 11	TWP 7S	RNG (E/W) 39W	Acres Attributed 80
Field Goodland		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/7/2006		Plug Back Total Depth 3038'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.000	Set at 3038'	Perforations 2943'	To 2958'
<i>MEASURED FROM SURFACE TO END OF LATERAL</i>					
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	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 3210'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-22 20 08 at 9:00 (AM) (PM) Taken 7-23 20 08 at 12:25 (AM) (PM)		Well on Line: Started 7-23 20 08 at 12:25 (AM) (PM) Taken 7-24 20 08 at 9:36 (AM) (PM)			

**OBSERVED SURFACE DATA**

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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						30.2	44.4				
Flow						33	47.4			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>t</sub>	Deviation Factor F <sub>dv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						26		

**(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>d</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	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 24 day of October, 20 08

Witness (if any)

For Commission

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KANSAS CORPORATION COMMISSION  
**JAN 29 2009**  
CONSERVATION DIVISION  
WICHITA, KS

*Tom W. Roelke*  
For Company

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 Fitzgibbons 34-11H 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

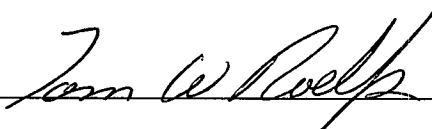
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 10/24/2008

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JAN 29 2009

CONSERVATION DIVISION  
WICHITA, KS

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.

W2268  
 Fitzgibbons 34-11H  
 North Goodland  
 Goodland  
 None  
 July-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2008	17	30	25	0	
7/2/2008	17	30	25	0	
7/3/2008	17	30	25	0	
7/4/2008	17	30	25	0	
7/5/2008	17	30	24	0	
7/6/2008	17	30	24	0	
7/7/2008	17	30	24	0	
7/8/2008	17	30	24	0	
7/9/2008	17	30	24	0	
7/10/2008	17	30	24	0	
7/11/2008	17	30	24	1	
7/12/2008	17	30	20	2	
7/13/2008	17	30	21	0	
7/14/2008	17	30	23	0	
7/15/2008	17	30	23	0	
7/16/2008	16	29	22	0	
7/17/2008	16	29	23	0	
7/18/2008	16	29	23	0	
7/19/2008	16	29	23	6	
7/20/2008	18	31	23	4	
7/21/2008	20	33	28	4	
7/22/2008	20	33	28	0	shut in 9am
7/23/2008	23	36	0	24	
7/24/2008	22	35	16	0	opened 9:36am
7/25/2008	19	32	25	0	
7/26/2008	20	33	27	0	
7/27/2008	20	33	27	0	
7/28/2008	20	33	29	0	
7/29/2008	20	33	29	10	
7/30/2008	22	35	18	0	
7/31/2008	20	33	24	0	

Total

720

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W2268  
 Fitzgibbons 34-11H  
 North Goodland  
 Goodland  
 None  
 August-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2008	20	33		26	2
8/2/2008	20	33		26	0
8/3/2008	20	33		26	0
8/4/2008	20	33		26	0
8/5/2008	20	33		26	0
8/6/2008	20	33		26	0
8/7/2008	29	42		12	5.5
8/8/2008	29	42		2	5
8/9/2008	32	45		0	24
8/10/2008	32	45		0	0
8/11/2008	23	36		19	0
8/12/2008	23	36		23	0
8/13/2008	23	36		24	0
8/14/2008	23	36		23	0
8/15/2008	23	36		23	0
8/16/2008	20	33		23	0
8/17/2008	20	33		22	0
8/18/2008	23	36		18	0
8/19/2008	21	34		22	0
8/20/2008	21	34		22	0
8/21/2008	21	34		18	7
8/22/2008	21	34		22	0
8/23/2008	21	34		24	0
8/24/2008	21	34		24	0
8/25/2008	21	34		24	0
8/26/2008	21	34		24	0
8/27/2008	21	34		23	0
8/28/2008	21	34		23	0
8/29/2008	21	34		23	0
8/30/2008	21	34		23	0
8/31/2008	21	34		23	0

Total

640

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 WICHITA, KS

W2268  
 Fitzgibbons 34-11H  
 North Goodland  
 Goodland  
 None  
 September-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
9/1/2008	20	33		22	0
9/2/2008	20	33		22	0
9/3/2008	20	33		22	0
9/4/2008	23	36		11	0
9/5/2008	23	36		11	0
9/6/2008	20	33		22	0
9/7/2008	20	33		22	0
9/8/2008	20	33		22	0
9/9/2008	20	33		22	0
9/10/2008	20	33		22	8
9/11/2008	22	35		15	0
9/12/2008	21	34		25	0
9/13/2008	21	34		25	0
9/14/2008	21	34		25	0
9/15/2008	21	34		25	0
9/16/2008	21	34		25	0
9/17/2008	21	34		25	0
9/18/2008	20	33		24	0
9/19/2008	20	33		22	0
9/20/2008	20	33		22	0
9/21/2008	20	33		22	0
9/22/2008	20	33		22	0
9/23/2008	20	33		22	0
9/24/2008	20	33		22	0
9/25/2008	19	32		22	0
9/26/2008	19	32		22	0
9/27/2008	19	32		22	0
9/28/2008	19	32		22	0
9/29/2008	19	32		22	0
9/30/2008	19	32		22	0
10/1/2008					0

Total

651

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