

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

Type Test:

(See Instructions on Reverse Side)

- Open Flow  
 Deliverability

Test Date:  
8/6/08

API No. 15  
181-20538-00

Company  
Rosewood Resources, Inc.

Lease  
Philbrick

Well Number  
34-10

County Location Section TWP RNG (E/W) Acres Attributed  
Sherman SWSE/4 10 9S 40W 80

Field Reservoir Gas Gathering Connection  
Goodand Niobrara Branch Systems Inc.

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Completion Date Plug Back Total Depth Packer Set at  
6/14/08 1228'

OCT 21 2008

Casing Size Weight Internal Diameter Set at Perforations To  
2 7/8" 6.5# 2.441 1228' 1034' 1064'

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Tubing Size Weight Internal Diameter Set at Perforations To  
NONE

Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes  No  
Single (Conventional) DryGas flowing

Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G<sub>g</sub>  
Annulus .6

Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size  
1240' Flange 2"

Pressure Buildup: Shut in 20 at (AM) (PM) Taken 20 at (AM) (PM)

Well on Line: Started 8-6 20 08 at 1:00 (AM) (PM) Taken 8-7 20 08 at 1:15 (AM) (PM)

### OBSERVED SURFACE DATA

Duration of Shut-in 72 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											
Flow						25	39.4			24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>s</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>t</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						21		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = : (P<sub>w</sub>)<sup>2</sup> = : P<sub>a</sub> = % (P<sub>c</sub> - 14.4) + 14.4 = : (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>o</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>o</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>o</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>o</sub> <sup>2</sup> - P <sub>a</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: $\frac{P_o^2 - P_w^2}{P_c^2 - P_w^2}$	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 8 day of October, 20 08

Witness (if any)

For Company

For Commission

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 Philbrick 34-10 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

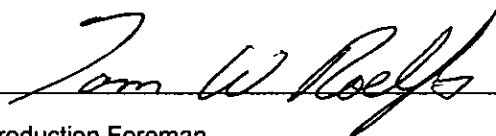
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I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 10-8-08

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.

W2588  
 Philbrick 34-10  
 South Goodland  
 Goodland  
 None  
 August-08

DATE	Casing PSI	STATIC MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2008			0	
8/2/2008			0	
8/3/2008			0	
8/4/2008			0	1st gas 3:20pm 27 mcf @ 50cp
8/5/2008	50	63	9	0
8/6/2008	51	64	0	0 SI waiting to purge 6"line
8/7/2008	47	60	25	0 Put on production 1pm 8-6-08
8/8/2008	47	60	23	0
8/9/2008	46	59	22	0
8/10/2008	45	58	23	0
8/11/2008	44	57	24	0
8/12/2008	44	57	24	0
8/13/2008	43	56	23	0
8/14/2008	44	57	21	0
8/15/2008	43	56	17	0
8/16/2008	43	56	21	0
8/17/2008	43	56	21	0
8/18/2008	42	55	22	0
8/19/2008	42	55	22	0
8/20/2008	41	54	22	0
8/21/2008	41	54	22	0
8/22/2008	40	53	22	0
8/23/2008	40	53	21	0
8/24/2008	40	53	21	0
8/25/2008	40	53	21	0
8/26/2008	40	53	21	0
8/27/2008	39	52	21	0
8/28/2008	39	52	21	0
8/29/2008	39	52	21	0
8/30/2008	39	52	21	0
8/31/2008	39	52	21	0

Total

552

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W2588  
 Philbrick 43-10  
 South Goodland  
 Goodland  
 None  
 September-08

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
9/1/2008	40	53	19	10.5		
9/2/2008	40	53	9	24		
9/3/2008	41	54	7	0		
9/4/2008	42	55	5	0		
9/5/2008	39	52	15	0		
9/6/2008	39	52	21	0		
9/7/2008	39	52	20	0		
9/8/2008	39	52	20	0		
9/9/2008	38	51	20	0		
9/10/2008	38	51	20	0		
9/11/2008	38	51	20	0		
9/12/2008	38	51	0	24		
9/13/2008	38	51	0	24		
9/14/2008	38	51	0	24		
9/15/2008	38	51	0	24		
9/16/2008	38	51	10	0		
9/17/2008	38	51	19	0		
9/18/2008	38	51	20	0		
9/19/2008	37	50	20	0		
9/20/2008	37	50	19	7		
9/21/2008	37	50	19	0		
9/22/2008	37	50	20	0		
9/23/2008	37	50	20	0		
9/24/2008	37	50	20	0		
9/25/2008	36	49	19	0		
9/26/2008	36	49	18	3		
9/27/2008	36	49	18	0		
9/28/2008	36	49	18	0		
9/29/2008	36	49	20	0	open to 28 mcf	
9/30/2008	34	47	24	0		
10/1/2008				0		

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Total 460

W2588  
 Philbrick 43-10  
 South Goodland  
 Goodland  
 None  
 October-08

DATE	Casing		MCF	HRS	REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN	
10/1/2008	34	47	27	0	
10/2/2008	34	47	26	0	
10/3/2008	33	46	27	0	
10/4/2008	33	46	27	0	
10/5/2008	31	44	26	0	
10/6/2008	33	46	26	0	
10/7/2008	31	44	26	0	
10/8/2008	31	44	26	0	
10/9/2008	31	44	26	0	
10/10/2008	31	44	26	0	
10/11/2008	31	44	26	0	
10/12/2008	31	44	26	0	
10/13/2008	31	44	25	0	
10/14/2008				0	
10/15/2008				0	
10/16/2008				0	
10/17/2008				0	
10/18/2008				0	
10/19/2008				0	
10/20/2008				0	
10/21/2008				0	
10/22/2008				0	
10/23/2008				0	
10/24/2008				0	
10/25/2008				0	
10/26/2008				0	
10/27/2008				0	
10/28/2008				0	
10/29/2008				0	
10/30/2008				0	
10/31/2008				0	

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Total

340