

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

Type Test:

- Open Flow  
 Deliverability

Test Date:  
4/9/2007

API No. 15  
181-20498-01-00

Company Rosewood Resources, Inc.		Lease Chatfield		Well Number 41-18H	
County Sherman	Location NENE	Section 18	TWP 7S	RNG (E/W) 39W	Acres Attributed 80
Field Goodland		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 3/17/2007		Plug Back Total Depth 3208'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.000	Set at 3208'	Perforations 3141'	To 3156'
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="radio"/> No Flowing	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 3215'		Pressure Taps Flange		Gas Gravity - G <sub>g</sub> .6 (Meter Run) (Prover) Size 2"	

Pressure Buildup: Shut in \_\_\_\_\_ 20 \_\_\_\_\_ at \_\_\_\_\_ (AM) (PM) Taken \_\_\_\_\_ 20 \_\_\_\_\_ at \_\_\_\_\_ (AM) (PM)  
Well on Line: Started 4-9 \_\_\_\_\_ 20 07 at 3:00 (AM) ( PM) Taken 4-10 \_\_\_\_\_ 20 07 at 3:40 (AM) ( 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						58	72.4				
Flow						50	64.4			24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>d</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>
						43		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

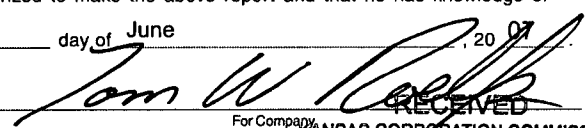
(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ : (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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 12 day of June, 20 07

\_\_\_\_\_  
Witness (if any)  
  
\_\_\_\_\_  
For Commission

  
For Company  
**KANSAS CORPORATION COMMISSION**  
Checked by \_\_\_\_\_

**JUL 10 2007**

CONSERVATION DIVISION  
WICHITA, KS

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.

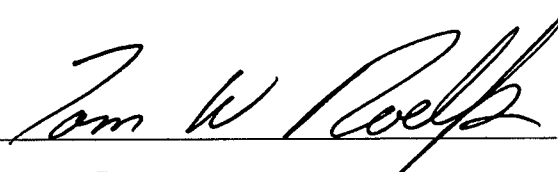
I hereby request a one-year exemption from open flow testing for the Chatfield 41-18H gas well on the grounds that said well:

(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: 6/12/2007

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.

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**JUL 10 2007**

CONSERVATION DIVISION  
WICHITA, KS

## ROSEWOOD RESOURCES, INC.

## DAILY PRODUCTION REPORT

April | 2007

ORIF: EFM

WELL: Chatfield 41-18H

FIELD: Goodland

DATE	TUBING PRESSURE	CASING PRESSURE	GATH STATIC	GATH DIFF'L	GATH COEF	GATH MCF	HRS ON	REMARKS
------	--------------------	--------------------	----------------	----------------	--------------	-------------	--------	---------

4/1/2007

4/2/2007

4/3/2007

4/4/2007

4/5/2007

4/6/2007

4/7/2007

4/8/2007

4/9/2007

First Gas 3:00pm 53mcf@58#CP

4/10/2007

56

69

36

14

4/11/2007

55

68

50

24

4/12/2007

54

67

49

21

4/13/2007

53

66

48

24

4/14/2007

53

66

48

24

4/15/2007

53

66

47

24

4/16/2007

53

66

46

24

4/17/2007

53

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46

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4/18/2007

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4/19/2007

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4/20/2007

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4/21/2007

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4/22/2007

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4/23/2007

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4/24/2007

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4/25/2007

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45

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4/26/2007

51

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45

24

4/27/2007

50

63

44

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4/28/2007

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44

24

4/29/2007

50

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42

20

4/30/2007

50

63

43

20

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CONSERVATION DIVISION  
WICHITA, KS

2344

Chatfield 41-18H

North Goodland

Goodland

None

May-07

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
5/1/2007	50	63	43	0	
5/2/2007	50	63	43	0	
5/3/2007	49	62	44	0	BP
5/4/2007	49	62	44	0	
5/5/2007	49	62	44	0	
5/6/2007	49	62	44	0	
5/7/2007	49	62	44	0	
5/8/2007	49	62	44	0	
5/9/2007	49	62	43	0	
5/10/2007	49	62	43	2	
5/11/2007	49	62	43	0	
5/12/2007	48	61	43	0	BP
5/13/2007	48	61	43	0	
5/14/2007	48	61	43	0	
5/15/2007	49	62	32	17	
5/16/2007	48	61	42	2	
5/17/2007	48	61	43	0	
5/18/2007	48	61	42	0	
5/19/2007	48	61	42	0	
5/20/2007	49	62	38	8	
5/21/2007	48	61	37	8	BP
5/22/2007	48	61	42	0	
5/23/2007	47	60	42	0	
5/24/2007	52	65	38	11	
5/25/2007	49	62	30	13	
5/26/2007	48	61	40	2	
5/27/2007	47	60	42	0	
5/28/2007	47	60	42	0	
5/29/2007	47	60	41	0	
5/30/2007	47	60	41	3	BP
5/31/2007	47	60	42	0	

Total

1284

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CONSERVATION DIVISION  
WICHITA, KS

W2344  
 Chatfield 41-18H  
 North Goodland  
 Goodland  
 None  
 June-07

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
6/1/2007	46	59		41	0	
6/2/2007	46	59		42	0	
6/3/2007	46	59		42	0	
6/4/2007	46	59		41	0	
6/5/2007	46	59		41	0 BP	
6/6/2007	46	59		41	0	
6/7/2007	46	59		41	0	
6/8/2007	46	59		41	0	
6/9/2007	46	59		41	0	
6/10/2007	46	59		40	0	
6/11/2007	46	59		40	0	
6/12/2007	46	59		39	4	
6/13/2007	45	58		41	0 BP	
6/14/2007	45	58		41	0	
6/15/2007	45	58		41	0	
6/16/2007	45	58		41	0	
6/17/2007	45	58		41	0	
6/18/2007	45	58		40	0 BP	
6/19/2007	45	58		38	5	
6/20/2007	45	58		40	0	
6/21/2007	45	58		40	0	
6/22/2007	45	58		39	2	
6/23/2007	45	58		40	0	
6/24/2007	45	58		40	0	
6/25/2007	45	58		40	0	
6/26/2007	44	57		40	0	
6/27/2007					0	
6/28/2007					0	
6/29/2007					0	
6/30/2007					0	
7/1/2007					0	

Total

1052

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