

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

(See Instructions on Reverse Side)

Type Test:

- Open Flow  
 Deliverability

Test Date:  
7/30/08

API No. 15  
181-20533-00

Company Rosewood Resources, Inc.		Lease Gutsch		Well Number 31-03	
County Sherman	Location NWNE/4	Section 3	TWP 9S	RNG (E/W) 40W	Acres Attributed 80

Field Goodand	Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.
------------------	-----------------------	---

Completion Date 6/10/08	Plug Back Total Depth 1295'	Packer Set at
----------------------------	--------------------------------	---------------

Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1295'	Perforations 1076'	To 1106'
-----------------------	----------------	----------------------------	-----------------	-----------------------	-------------

Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
---------------------	--------	-------------------	--------	--------------	----

Type Completion (Describe) Single (Conventional)	Type Fluid Production DryGas	Pump Unit or Traveling Plunger? Yes / <input checked="" type="radio"/> No flowing
---	---------------------------------	--

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

Vertical Depth(H) 1310'	Pressure Taps Flange	(Meter Run) (Prover) Size 2"
----------------------------	-------------------------	---------------------------------

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

Well on Line: Started 7-30 20 08 at 5:15 (AM) ( PM) Taken 7-31 20 08 at 5:45 (AM) ( PM)

### OBSERVED SURFACE DATA

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						28	42.4			24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</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>tt</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						20		

### (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>e</sub>)<sup>2</sup> = 0.207  
(P<sub>o</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>e</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>e</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>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>o</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 1 day of October, 2008

\_\_\_\_\_  
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.

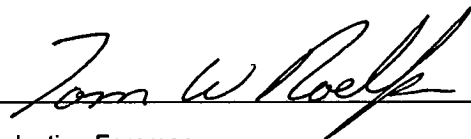
I hereby request a one-year exemption from open flow testing for the Gutsch 31-03 gas well on the grounds that said well:

(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: 10-1-08

Signature:   
Title: Production Foreman

RECEIVED  
KANSAS CORPORATION COMMISSION

OCT 21 2008

CONSERVATION DIVISION  
WICHITA, KS

**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.

W2585  
 Gutsch 31-03  
 South Goodland  
 Goodland  
 None  
 July-08

DATE	Casing PSI	STATIC MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2008				
7/2/2008				
7/3/2008				
7/4/2008				
7/5/2008				
7/6/2008				
7/7/2008				
7/8/2008				
7/9/2008				
7/10/2008				
7/11/2008				
7/12/2008				
7/13/2008				
7/14/2008				
7/15/2008				
7/16/2008				
7/17/2008				
7/18/2008				
7/19/2008				
7/20/2008				
7/21/2008				
7/22/2008				
7/23/2008				
7/24/2008				
7/25/2008				
7/26/2008				
7/27/2008				
7/28/2008				
7/29/2008				
7/30/2008				1st Gas 5:15pm 28mcf 53#
7/31/2008	49	62	16	0

Total

16

RECEIVED  
 KANSAS CORPORATION COMMISSION

OCT 21 2008

CONSERVATION DIVISION  
 WICHITA, KS

W2585  
 Gutsch 31-03  
 South Goodland  
 Goodland  
 None  
 August-08

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
8/1/2008	46	59		27	0	
8/2/2008	45	58		26	0	
8/3/2008	44	57		25	0	
8/4/2008	43	56		25	0	
8/5/2008	42	55		24	0	
8/6/2008	41	54		24	0	
8/7/2008	40	53		23	0	
8/8/2008	39	52		22	0	
8/9/2008	38	51		22	0	
8/10/2008	38	51		22	0	
8/11/2008	38	51		23	0	
8/12/2008	38	51		22	0	
8/13/2008	37	50		22	0	
8/14/2008	40	53		19	0	
8/15/2008	38	51		13	0	
8/16/2008	37	50		22	0	
8/17/2008	37	50		22	0	
8/18/2008	36	49		21	0	
8/19/2008	36	49		21	0	
8/20/2008	35	48		21	0	
8/21/2008	35	48		21	0	
8/22/2008	35	48		20	0	
8/23/2008	35	48		20	0	
8/24/2008	35	48		20	0	
8/25/2008	34	47		20	0	
8/26/2008	33	46		20	0	
8/27/2008	33	46		20	0	
8/28/2008	33	46		20	0	
8/29/2008	33	46		20	0	
8/30/2008	33	46		20	0	
8/31/2008	33	46		20	0	

Total

667

RECEIVED  
 KANSAS CORPORATION COMMISSION

OCT 21 2008

CONSERVATION DIVISION  
 WICHITA, KS

W2585  
 Gutsch 31-03  
 South Goodland  
 Goodland  
 None  
 September-08

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
9/1/2008	36	49	16	10.5		
9/2/2008	38	51	0	24		
9/3/2008	40	53	0	0		
9/4/2008	41	54	0	0		
9/5/2008	37	50	15	0		
9/6/2008	22	35	20	0		
9/7/2008	31	47	20	0		
9/8/2008	31	47	20	0		
9/9/2008	31	47	20	0		
9/10/2008	33	46	20	0		
9/11/2008	32	45	20	0		
9/12/2008	34	47	0	24		
9/13/2008	34	47	0	24		
9/14/2008	34	47	0	24		
9/15/2008	34	47	0	24		
9/16/2008	34	47	0	0		
9/17/2008	34	47	18	0		
9/18/2008	33	46	20	0		
9/19/2008	32	45	20	0		
9/20/2008	33	46	18	7		
9/21/2008	32	45	18	0		
9/22/2008	31	44	19	0		
9/23/2008	31	44	19	0		
9/24/2008	30	43	19	0		
9/25/2008	30	43	19	0		
9/26/2008	30	43	18	3		
9/27/2008	30	43	18	0		
9/28/2008	30	43	18	0		
9/29/2008	29	42	18	0		
9/30/2008	29	42	18	0		
10/1/2008				0		

Total

411

RECEIVED  
 KANSAS CORPORATION COMMISSION

OCT 21 2008

CONSERVATION DIVISION  
 WICHITA, KS