

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

(See Instructions on Reverse Side)

Type Test:

Open Flow  **SI**  
 Deliverability

Test Date:  
7/8/2007

API No. 15  
023-20561-00 **00**

Company Rosewood Resources, Inc.		Lease Zimbelman		Well Number 1-24	
County Cheyenne	Location NESW	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9-10-2004		Plug Back Total Depth 1496'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1539'	Perforations 1326'	To 1364'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		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) 1364'		Pressure Taps Flange		Gas Gravity - G <sub>g</sub> .6	
Pressure Buildup: Shut in 7/8 20 07 at 8:40 (AM) (PM)		Taken 7/9 20 07 at 8:15 (AM) (PM)			
Well on Line: Started 7/9 20 07 at 8:15 (AM) (PM)		Taken 7/10 20 06 at 9:40 (AM) (PM)			

### OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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						195	209.4				
Flow						72	86.4			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>
						33		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

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

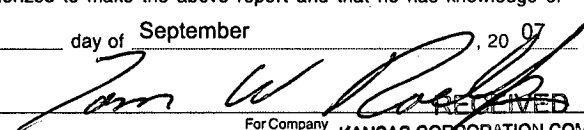
(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ ; (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ ; P<sub>d</sub> = \_\_\_\_\_ % ; (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_

(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: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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 28 day of September, 20 07

\_\_\_\_\_  
Witness (if any)

  
For Company **KANSAS CORPORATION COMMISSION**

\_\_\_\_\_  
For Commission

Checked by \_\_\_\_\_

NOV 02 2007

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.

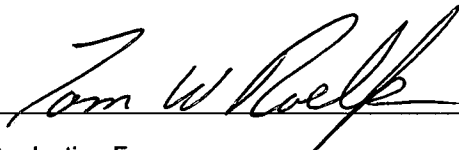
I hereby request a one-year exemption from open flow testing for the Zimbelman 1-24 gas well on the grounds that said well:

(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: 9/28/2007

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. **KANSAS CORPORATION COMMISSION**

**NOV 02 2007**

CONSERVATION DIVISION  
WICHITA, KS

W380

Zimbelman 01-24

St. Francis

St. Francis

None

July-07

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
7/1/2007		72		33	0	
7/2/2007		72		33	0	
7/3/2007		73		33	0	
7/4/2007		73		33	0	
7/5/2007		71		33	0	
7/6/2007		72		33	0	
7/7/2007		71		33	0	
7/8/2007		72		33	0	0 si 55 cp
7/9/2007		163	8	12	open	195 cp
7/10/2007		220	28	15		
7/11/2007		129	40	0	bp	
7/12/2007		93	39	0		
7/13/2007		77	37	0		
7/14/2007		75	36	0		
7/15/2007		74	35	0	bp	
7/16/2007		74	34	0		
7/17/2007		75	34	0		
7/18/2007		73	34	0		
7/19/2007		72	34	0		
7/20/2007		74	34	0		
7/21/2007		74	34	0		
7/22/2007		72	34	0		
7/23/2007		74	35	0		
7/24/2007		80	33	4		
7/25/2007		74	34	0		
7/26/2007		74	34	0		
7/27/2007		74	34	0		
7/28/2007		72	33	0		
7/29/2007		74	34	0		
7/30/2007		73	33	0	bp	
7/31/2007		73	33	0		

Total

RECEIVED  
KANSAS CORPORATION COMMISSION

NOV 02 2007

CONSERVATION DIVISION  
WICHITA, KS

W380

Zimbelman 01-24

St. Francis

St. Francis

None

August-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2007		73	33	0	
8/2/2007		73	33	0	
8/3/2007		72	33	0	
8/4/2007		73	33	0	
8/5/2007		75	33	0	
8/6/2007		73	33	0	
8/7/2007		73	33	0	
8/8/2007		74	33	0	
8/9/2007		160	33	12	
8/10/2007		134	30	0	
8/11/2007		117	32	0	
8/12/2007		103	33	0	
8/13/2007		103	33	0	
8/14/2007		103	33	0	0 bp
8/15/2007	110	103	33	0	
8/16/2007		81	33	0	
8/17/2007		77	33	0	
8/18/2007		73	33	0	
8/19/2007		77	32	0	0 bp
8/20/2007		77	32	0	
8/21/2007		77	32	0	
8/22/2007		76	32	0	
8/23/2007		76	32	0	
8/24/2007		78	32	0	
8/25/2007		78	32	0	
8/26/2007		78	32	0	
8/27/2007		81	32	0	0 bp
8/28/2007		80	32	0	
8/29/2007		92	32	0	
8/30/2007		92	32	0	
8/31/2007		94	32	0	

Total

RECEIVED  
KANSAS CORPORATION COMMISSION

NOV 02 2007

CONSERVATION DIVISION  
WICHITA, KS

W380

Zimbelman 01-24

St. Francis

St. Francis

None

September-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
9/1/2007		85		32	0
9/2/2007		87		32	0
9/3/2007		79		32	0
9/4/2007		79		32	0
9/5/2007		131		29	7 bp
9/6/2007		114		34	0
9/7/2007		99		33	3
9/8/2007		76		32	0
9/9/2007		89		32	0
9/10/2007		76		32	0 bp
9/11/2007		75		32	0
9/12/2007		76		32	0
9/13/2007		80		32	0
9/14/2007		85		32	0
9/15/2007		90		32	0
9/16/2007		95		32	0
9/17/2007		94		32	0
9/18/2007		87		32	0
9/19/2007		90		32	0
9/20/2007		92		32	0
9/21/2007		83		32	0
9/22/2007		93		32	0
9/23/2007		94		32	0
9/24/2007		86		32	0
9/25/2007		74		32	0 bp
9/26/2007		72		32	0
9/27/2007	75	90		32	0
9/28/2007		90		32	0
9/29/2007		91		32	0
9/30/2007		91		32	0
10/1/2007					0

Total

RECEIVED  
KANSAS CORPORATION COMMISSION

NOV 02 2007

CONSERVATION DIVISION  
WICHITA, KS