

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow  **SI**  
 Deliverability

Test Date:  
7/6/2007

API No. 15  
023-20607-0000

Company Rosewood Resources, Inc.		Lease Zweygardt		Well Number 2-24	
County Cheyenne	Location NE NE/4	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 5/4/2005		Plug Back Total Depth 1425'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1425'	Perforations 1202'	To 1236'
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="checkbox"/> No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1236'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7/6 20 07 at 8:10 (AM) (PM) Taken 7/7 20 07 at 8:15 (AM) (PM)		Well on Line: Started 7/7 20 07 at 8:15 (AM) (PM) Taken 7/8 20 07 at 9:10 (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						220	234.4				
Flow						52	66.4				

### 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>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						18		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

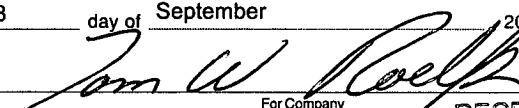
(P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>o</sub>)<sup>2</sup> =

(P <sub>c</sub> ) <sup>2</sup> = _____	(P <sub>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>o</sub> ) <sup>2</sup> = _____		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_o)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_o^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide by: $P_c^2 - P_w^2$	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 28 day of September 2007

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

  
For Company  
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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.

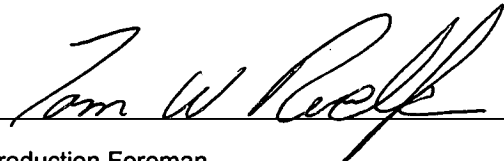
I hereby request a one-year exemption from open flow testing for the Zweygardt 2-24 gas well on the grounds that said well:

(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.

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Zweygardt 02-24

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None

July-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2007		50		18	0
7/2/2007		49		18	0
7/3/2007		52		18	0 bp
7/4/2007		50		18	0
7/5/2007		50		18	0
7/6/2007		43		18	0 shut in 40cp
7/7/2007		41		5	0 oper 220 cp
7/8/2007		52		26	0
7/9/2007		165		10	12
7/10/2007		235		4	15
7/11/2007		78		27	0 bp
7/12/2007		58		25	0
7/13/2007		55		22	0
7/14/2007		59		21	0
7/15/2007		59		20	0 bp
7/16/2007		55		20	0
7/17/2007		53		19	0
7/18/2007		51		19	0
7/19/2007		49		19	0
7/20/2007		51		19	0
7/21/2007		53		18	0
7/22/2007		53		18	0
7/23/2007		53		18	0
7/24/2007		61		18	4
7/25/2007		52		19	0
7/26/2007		53		18	0
7/27/2007		52		18	0
7/28/2007		51		18	0
7/29/2007		53		18	0
7/30/2007		50		18	0 bp
7/31/2007		52		18	0

Total

563

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Zweygardt 02-24

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None

August-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2007		51	18	0	
8/2/2007		52	18	0	
8/3/2007		52	18	0	
8/4/2007		51	18	0	
8/5/2007		53	17	0	
8/6/2007		51	17	0	
8/7/2007		51	17	0	
8/8/2007		56	17	0	
8/9/2007		160	17	12	
8/10/2007		125	11	0	
8/11/2007		117	17	0	
8/12/2007		102	15	0	
8/13/2007		98	17	0	
8/14/2007		92	17	0	0 bp
8/15/2007	80	93	17	0	
8/16/2007		72	18	0	
8/17/2007		65	17	0	
8/18/2007		57	17	0	
8/19/2007		57	17	0	0 bp
8/20/2007		57	17	0	
8/21/2007		58	17	0	
8/22/2007		57	17	0	
8/23/2007		58	17	0	
8/24/2007		59	17	0	
8/25/2007		62	17	0	
8/26/2007		59	17	0	
8/27/2007		65	17	0	0 bp
8/28/2007		64	17	0	
8/29/2007		78	17	0	
8/30/2007		75	17	0	
8/31/2007		75	17	0	

Total

524

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Zweygardt 02-24

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None

September-07

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
9/1/2007		60	17	0	
9/2/2007		72	17	0	
9/3/2007		59	17	0	
9/4/2007		59	17	0	
9/5/2007		123	12	7 bp	
9/6/2007		116	21	0	
9/7/2007		96	17	3	
9/8/2007		73	17	0	
9/9/2007		61	17	0	
9/10/2007		57	17	0	
9/11/2007		56	17	0 bp	
9/12/2007	50	58	17	0	
9/13/2007		63	17	0	
9/14/2007		65	17	0	
9/15/2007		77	17	0	
9/16/2007		82	17	0	
9/17/2007		82	17	0	
9/18/2007		74	17	0	
9/19/2007		77	17	0	
9/20/2007		79	17	0	
9/21/2007		73	17	0	
9/22/2007		75	17	0	
9/23/2007		74	17	0	
9/24/2007		68	17	0	
9/25/2007		55	19	0 bp	
9/26/2007		52	17	0	
9/27/2007	60	77	16	0	
9/28/2007		78	16	0	
9/29/2007		78	16	0	
9/30/2007		78	16	0	
10/1/2007				0	

Total

507

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