

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

(See Instructions on Reverse Side)

Type Test:

Open Flow  **SI**  
 Deliverability

Test Date:  
7/24/2007

API No. 15  
023-20633-00 **00**

Company Rosewood Resources, Inc.		Lease R. Moore		Well Number 33-28	
County Cheyenne	Location NWSE	Section 28	TWP 2S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10-21-2005		Plug Back Total Depth 1771'		Packer Set at	
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1771'	Perforations 1648'	To 1680'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production		Pump Unit or Traveling Plunger? Yes / <b>No</b> flowing	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1664'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-24 20 07 at 2:00 (AM) <b>(PM)</b> Taken 7-25 20 07 at 3:15 (AM) <b>(PM)</b>		Well on Line: Started 7-25 20 07 at 3:15 (AM) <b>(PM)</b> Taken 7-26 20 07 at 3:00 (AM) <b>(PM)</b>			

### OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: <b>Meter</b> 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						275	289.4				
Flow						66	80.4			24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>s</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: <b>Meter</b> 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>
						6		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

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

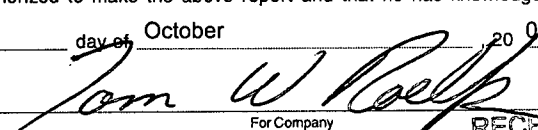
(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ :

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</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>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 5 day of October, 20 07.

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

  
For Company  
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KANSAS CORPORATION 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.

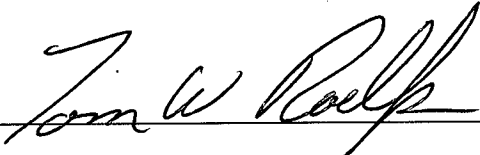
I hereby request a one-year exemption from open flow testing for the R. Moore 33-28 gas well on the grounds that said well:

(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: 10/5/2007

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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CONSERVATION DIVISION  
WICHITA, KS

W438

R. Moore 33-28

West St. Francis

St. Francis

None

July-07

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
7/1/2007		59		7	0
7/2/2007		59		7	0
7/3/2007		58		7	0 bp
7/4/2007		58		7	0
7/5/2007		58		7	0
7/6/2007		57		7	0
7/7/2007		58		7	0
7/8/2007		58		7	0
7/9/2007		160		4	12
7/10/2007		208		1	15
7/11/2007		128		1	12
7/12/2007		85		15	0 bp
7/13/2007		72		12	0
7/14/2007		63		8	0
7/15/2007		59		7	0
7/16/2007		59		7	0 bp
7/17/2007		60		7	0
7/18/2007		58		7	0
7/19/2007		56		7	0
7/20/2007		58		7	0
7/21/2007		59		7	0
7/22/2007		58		7	0
7/23/2007		58		6	0 bp
7/24/2007		76		6	4 si 60 psi
7/25/2007		128		0.5	0 open 275 psi
7/26/2007		56		11	0
7/27/2007		58		7	0
7/28/2007		58		7	0
7/29/2007		56		7	0
7/30/2007		57		6	0
7/31/2007		60		6	0

Total

209.5

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CONSERVATION DIVISION  
WICHITA, KS

W438

R. Moore 33-28

West St. Francis

St. Francis

None

August-07

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
8/1/2007		59	6	6	0
8/2/2007		60	6	6	0
8/3/2007		64	6	6	0
8/4/2007		62	6	6	0
8/5/2007		66	6	6	0
8/6/2007		66	6	6	0 bp
8/7/2007		68	6	6	0
8/8/2007		70	6	6	0
8/9/2007		71	6	6	12
8/10/2007		127	1	1	0
8/11/2007		115	9	9	0
8/12/2007		101	7	7	0
8/13/2007		96	6	6	0
8/14/2007		100	6	6	0 bp
8/15/2007	110	102	6	6	0
8/16/2007		75	6	6	0
8/17/2007		71	6	6	0
8/18/2007		71	6	6	0
8/19/2007		71	6	6	0
8/20/2007		72	6	6	0 bp
8/21/2007	60	72	6	6	0
8/22/2007		73	6	6	0
8/23/2007		72	6	6	0
8/24/2007		75	6	6	0
8/25/2007		73	6	6	0
8/26/2007		74	6	6	0
8/27/2007		75	6	6	0
8/28/2007		75	6	6	0 bp
8/29/2007		75	6	6	0
8/30/2007		85	6	6	0
8/31/2007		85	6	6	0

Total

185

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CONSERVATION DIVISION  
WICHITA, KS

W438  
 R. Moore 33-28  
 West St. Francis  
 St. Francis  
 None  
 September-07

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
9/1/2007		88		6	0
9/2/2007		80		6	0
9/3/2007		76		6	0
9/4/2007		71		6	0
9/5/2007		148		4	7 cd bp
9/6/2007		108		6	0
9/7/2007		120		6	3
9/8/2007		89		6	0
9/9/2007		85		6	0
9/10/2007		82		6	0 bp
9/11/2007		80		6	0
9/12/2007		83		6	0
9/13/2007		89		6	0
9/14/2007		89		6	0
9/15/2007		101		6	0
9/16/2007		102		6	0
9/17/2007		101		6	0
9/18/2007	90	103		6	0 bp
9/19/2007		77		6	0
9/20/2007		78		6	0
9/21/2007		78		6	0
9/22/2007		77		6	0
9/23/2007		80		6	0
9/24/2007		68		6	0 bp
9/25/2007		50		6	0
9/26/2007		46		6	0
9/27/2007		78		5	0
9/28/2007		80		5	0
9/29/2007		80		5	0
9/30/2007		77		6	0
10/1/2007					0

Total 175

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