

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

Open Flow **SI**
 Deliverability

Test Date:
5/22/2008

API No. 15
023-20610-0000

(See Instructions on Reverse Side)

Company Rosewood Resources, Inc.		Lease Zimbelman		Well Number 1-18	
County Cheyenne	Location SW SW/4	Section 18	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 7/1/2005		Plug Back Total Depth 1440'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1440'	Perforations 1248'	To 1282'
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	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1282'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-22 20 08 at 8:30		(AM) (PM) Taken 5-23 20 08 at 10:40		(AM) (PM)	
Well on Line: Started 5-23 20 08 at 10:40		(AM) (PM) Taken 5-24 20 08 at 10:30		(AM) (PM)	

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						70	84.4				
Flow						210	224.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _a) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						25		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_d)² =

(P _c) ² =	(P _w) ² =	P _d = %	(P _c - 14.4) + 14.4 =			
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d 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 12 day of December, 2008

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JAN 29 2009

Wayne Fisher
For Company

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Witness (if any)

For Commission

Checked by

**CONSERVATION DIVISION
WICHITA, KS**

SEP 18 2009

KCC WICHITA

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 1-18 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: 12/12/08

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CONSERVATION DIVISION
WICHITA, KS

Signature: *Wagner Graham*

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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W379
 Zimbelman 1-18
 St. Francis
 St. Francis
 None
 May-08

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
5/1/2008		72	25	0	
5/2/2008	60	72	25	0	
5/3/2008		71	24	0	
5/4/2008		72	25	0	
5/5/2008		72	25	0	
5/6/2008		71	25	0	
5/7/2008		72	25	0	
5/8/2008	65	70	25	0	
5/9/2008		70	25	0	
5/10/2008		70	25	0	
5/11/2008		70	25	0	
5/12/2008		70	25	0	
5/13/2008		69	25	0	
5/14/2008		71	25	0	
5/15/2008	70	75	25	0	
5/16/2008		70	25	0	
5/17/2008		70	25	0	
5/18/2008		71	25	0	
5/19/2008		70	25	0	
5/20/2008		68	25	0	
5/21/2008		78	25	0	
5/22/2008		66	25	0	
5/23/2008	70	77	25	0	shut in for test
5/24/2008	210	67	4	0	open
5/25/2008		69	37	0	
5/26/2008		67	37	0	
5/27/2008		73	28	0	
5/28/2008		72	27	0	
5/29/2008		78	27	0	
5/30/2008		74	26	0	
5/31/2008		74	26	0	

Total 786

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W379
 Zimbelman 1-18
 St. Francis
 St. Francis
 None
 June-08

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
6/1/2008		74	26	0	
6/2/2008		73	26	0	
6/3/2008		73	26	0	
6/4/2008		71	25	0	
6/5/2008		70	26	0	
6/6/2008		69	26	0	
6/7/2008		71	25	0	
6/8/2008		70	25	0	
6/9/2008		73	25	0	
6/10/2008		74	25	0	
6/11/2008		77	25	0	
6/12/2008		76	25	0	
6/13/2008		78	25	0	
6/14/2008		76	25	0	
6/15/2008		80	25	0	
6/16/2008		78	25	0	
6/17/2008		76	25	0	
6/18/2008		73	25	0	
6/19/2008		74	25	0	
6/20/2008		74	25	0	
6/21/2008		73	25	0	
6/22/2008		74	25	0	
6/23/2008		75	25	0	
6/24/2008		73	25	0	
6/25/2008		73	25	0	
6/26/2008		74	25	0	
6/27/2008		73	25	0	
6/28/2008		73	25	0	
6/29/2008		73	25	0	
6/30/2008		73	25	0	
7/1/2008				0	

Total

755

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 KCC WICHITA

W379
 Zimbelman 1-18
 St. Francis
 St. Francis
 None
 July-08

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
7/1/2008			71	25	0
7/2/2008			76	25	0
7/3/2008	60		72	25	0
7/4/2008			72	25	0
7/5/2008			81	25	0
7/6/2008			83	25	0
7/7/2008			81	25	0
7/8/2008			76	25	0
7/9/2008			73	25	0
7/10/2008	60		74	25	0
7/11/2008			81	25	0
7/12/2008			73	25	0
7/13/2008			73	25	0
7/14/2008			176	25	11
7/15/2008			116	20	0
7/16/2008			94	27	0
7/17/2008	65		79	26	0
7/18/2008			100	26	0
7/19/2008			63	25	3
7/20/2008			72	25	0
7/21/2008			74	25	0
7/22/2008			76	25	0
7/23/2008			96	25	0
7/24/2008	80		92	25	0
7/25/2008			65	25	0
7/26/2008			63	25	0
7/27/2008			71	25	0
7/28/2008			62	25	0
7/29/2008			62	25	0
7/30/2008			138	25	0
7/31/2008	55		67	24	5

Total 773

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