

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
5/20/2008

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 5-20 20 08 at 8:10 (AM) (PM) Taken 5-21 20 08 at 8:15 (AM) (PM)		Well on Line: Started 5-21 20 08 at 8:15 (AM) (PM) Taken 5-22 20 08 at 9:10 (AM) (PM)			

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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 ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						75	89.4				
Flow						220	224.4				

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _c) 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
						16		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 =$ _____ : $(P_w)^2 =$ _____ : $P_d =$ _____ % $(P_c - 14.4) + 14.4 =$ _____ : $(P_a)^2 = 0.207$
 $(P_d)^2 =$ _____

$(P_c)^2 - (P_a)^2$ 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 the 12 day of December, 20 08

Witness (if any)

For Commission

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Wayne Mohr
For Company

JAN 29 2009
CONSERVATION DIVISION
WICHITA, KS

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 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: 12/12/08

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JAN 29 2009
CONSERVATION DIVISION
WICHITA, KS

Signature: Wayne Maston

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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W386
 Zwegardt 02-24
 St. Francis
 St. Francis
 None
 May-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
5/1/2008		78		15	0
5/2/2008	64	77		15	0
5/3/2008		77		15	0
5/4/2008		77		15	0
5/5/2008		77		15	0
5/6/2008		77		15	0
5/7/2008	64	77		15	0
5/8/2008		75		15	0
5/9/2008		75		15	0
5/10/2008		77		15	0
5/11/2008		74		15	0
5/12/2008		75		15	0
5/13/2008		74		15	0
5/14/2008	63	76		15	0
5/15/2008		78		15	0
5/16/2008		75		15	0
5/17/2008		75		15	0
5/18/2008		76		15	0
5/19/2008		74		15	0
5/20/2008		75		15	0
5/21/2008	75	69		16	0 shut in for test
5/22/2008	220	66		3	0 open
5/23/2008		83		18	0
5/24/2008		71		17	0
5/25/2008		71		17	0
5/26/2008		75		16	0
5/27/2008		77		16	0
5/28/2008	65	77		16	0
5/29/2008		80		16	0
5/30/2008		77		16	0
5/31/2008		78		16	0

Total

467

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W386
 Zweygardt 02-24
 St. Francis
 St. Francis
 None
 June-08

DATE	Casing		MCF	HRS	REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN	
6/1/2008			76	16	0
6/2/2008			77	16	0
6/3/2008	65		77	16	0
6/4/2008			70	15	0
6/5/2008			73	16	0
6/6/2008			73	16	0
6/7/2008			73	16	0
6/8/2008			71	16	0
6/9/2008			74	16	0
6/10/2008			76	15	0
6/11/2008	67		80	15	0
6/12/2008			78	16	0
6/13/2008			82	15	0
6/14/2008			80	16	0
6/15/2008			83	15	0
6/16/2008			78	16	0
6/17/2008			79	15	0
6/18/2008	60		76	15	0
6/19/2008			77	15	0
6/20/2008			77	16	0
6/21/2008			76	16	0
6/22/2008			78	15	0
6/23/2008			80	15	0
6/24/2008	60		76	15	0
6/25/2008			76	15	0
6/26/2008			78	15	0
6/27/2008			76	15	0
6/28/2008			75	15	0
6/29/2008			72	15	0
6/30/2008			72	15	0
7/1/2008					0

Total

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W386
 Zweygardt 02-24
 St. Francis
 St. Francis
 None
 July-08

DATE	Casing		MCF	HRS	REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN	
7/1/2008		74		15	0
7/2/2008	65	80		15	0
7/3/2008		74		14	0
7/4/2008		74		14	0
7/5/2008		80		14	0
7/6/2008		84		15	0
7/7/2008		82		15	0
7/8/2008	65	78		15	0
7/9/2008		75		15	0
7/10/2008		76		15	0
7/11/2008		84		15	0
7/12/2008		77		15	0
7/13/2008		74		15	0
7/14/2008		177		15	11
7/15/2008	100	116		12	0
7/16/2008		95		17	0
7/17/2008		81		16	0
7/18/2008		100		16	0
7/19/2008		64		14	3
7/20/2008		68		15	0
7/21/2008		71		15	0
7/22/2008	65	78		15	0
7/23/2008		76		15	0
7/24/2008		98		15	0
7/25/2008		89		15	0
7/26/2008		66		16	0
7/27/2008		64		15	0
7/28/2008		73		15	0
7/29/2008	50	62		15	0
7/30/2008		142		15	0
7/31/2008		68		15	5

Total

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