

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow Deliverability

(See Instructions on Reverse Side)

Test Date:
5/20/2008

API No. 15
023-20565-00 **00**

Company Rosewood Resources, Inc.		Lease Zweygardt		Well Number 1-24	
County Cheyenne	Location SWNE	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 7-10-2004		Plug Back Total Depth 1368'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1411'	Perforations 1216'	To 1254'
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 / No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1254'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-20 20 08 at 10:30 (AM) (PM) Taken 5-21 20 08 at 11:15 (AM) (PM)		Well on Line: Started 5-21 20 08 at 11:15 (AM) (PM) Taken 5-22 20 08 at 11:30 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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						150'	164.4				

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _v) 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
						39		

(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 10 day of December, 2008

_____ Witness (if any) Logan Graham For Company
 _____ For Commission _____ Checked by

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JAN 29 2009
CONSERVATION DIVISION
WICHITA KS

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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 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: 12/10/08

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Signature: Wayne Gruber

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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W384
 Zweygardt 01-24
 St. Francis
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 None
 May-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
5/1/2008		78		35	0
5/2/2008	65	78		35	0
5/3/2008		77		35	0
5/4/2008		77		37	0
5/5/2008		78		35	0
5/6/2008		77		36	0
5/7/2008	64	77		36	0
5/8/2008		76		37	0
5/9/2008		76		37	0
5/10/2008		76		36	0
5/11/2008		76		37	0
5/12/2008		76		36	0
5/13/2008		75		36	0
5/14/2008	63	76		37	0
5/15/2008		76		36	0
5/16/2008		76		36	0
5/17/2008		76		36	0
5/18/2008		76		36	0
5/19/2008		76		36	0
5/20/2008		75		36	0
5/21/2008	70	72		39	0 shut in for test
5/22/2008	150	65		6	0 open
5/23/2008		85		44	0
5/24/2008		76		43	0
5/25/2008		76		43	0
5/26/2008		80		41	0
5/27/2008		80		41	0
5/28/2008		79		41	0
5/29/2008		82		40	0
5/30/2008		80		40	0
5/31/2008		80		39	0

Total 1138

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W384
 Zwegardt 01-24
 St. Francis
 St. Francis
 None
 June-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
6/1/2008		80		39	0
6/2/2008		80		39	0
6/3/2008		80		39	0
6/4/2008		78		39	0
6/5/2008		77		40	0
6/6/2008		76		40	0
6/7/2008		77		38	0
6/8/2008		77		38	0
6/9/2008		78		38	0
6/10/2008		80		37	0
6/11/2008		84		33	0
6/12/2008		82		38	0
6/13/2008		83		38	0
6/14/2008		83		38	0
6/15/2008		86		36	0
6/16/2008		83		38	0
6/17/2008		83		40	0
6/18/2008		81		39	0
6/19/2008		81		37	0
6/20/2008		80		40	0
6/21/2008		80		40	0
6/22/2008		80		40	0
6/23/2008		82		40	0
6/24/2008		80		39	0
6/25/2008		83		38	0
6/26/2008		83		38	0
6/27/2008		80		38	0
6/28/2008		78		38	0
6/29/2008		78		41	0
6/30/2008		78		40	0
7/1/2008					0

Total 1156

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W384
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 St. Francis
 St. Francis
 None
 July-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2008		78		40	0
7/2/2008		83		40	0
7/3/2008	65	78		36	0
7/4/2008		78		36	0
7/5/2008		84		35	0
7/6/2008		88		35	0
7/7/2008		86		35	0
7/8/2008	70	83		36	0
7/9/2008		80		41	0
7/10/2008		80		39	0
7/11/2008		84		39	0
7/12/2008		80		35	0
7/13/2008		78		35	0
7/14/2008		176		40	11
7/15/2008	110	123		24	0
7/16/2008		100		54	0
7/17/2008		85		45	0
7/18/2008		106		43	0
7/19/2008		70		41	3
7/20/2008		73		39	0
7/21/2008		73		38	0
7/22/2008	65	79		35	0
7/23/2008		79		35	0
7/24/2008		103		35	0
7/25/2008		94		35	0
7/26/2008		72		45	0
7/27/2008		70		35	0
7/28/2008		75		36	0
7/29/2008	58	71		33	0
7/30/2008		140		39	0
7/31/2008		74		35	5

Total 1169

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