

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **BST**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
7/15/2009

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? <input checked="" type="radio"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1236'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-14 20 09 at 9:45 (AM) (PM) Taken 7-15 20 09 at 10:00 (AM) (PM)					
Well on Line: Started 7-15 20 09 at 10:00 (AM) (PM) Taken 7-16 20 09 at 10:45 (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 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						60	74.4				
Flow						155	169.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (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
						72		

(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 = _____

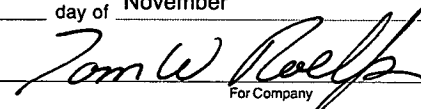
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: P _c ² - P _w ²	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open 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 18 day of November, 2009

Witness (if any)

For Commission


For Company

Checked by

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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.

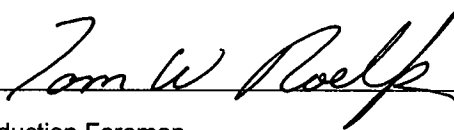
I hereby request a one-year exemption from open flow testing for the Zweygardt 2-24 gas well on the grounds that said well:

(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: 11/18/09

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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W386
 Zweygardt 02-24
 St. Francis
 St. Francis
 None
 July-09

DATE	Casing		MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	STATIC						
7/1/2009							0	
7/2/2009		72	75	8	18	0	43	
7/3/2009		72	74	8	18	0	42	
7/4/2009		73	74	8	18	0	41	
7/5/2009		72	74	8	18	0	42	
7/6/2009		72	74	8	18	0	43	
7/7/2009		72	74	8	18	0	42	
7/8/2009		74	74	0	0	0	43	
7/9/2009		171	44	0	0	6	0	
7/10/2009		93	17	0	0	3	0	
7/11/2009		72	68	0	0	0	0	
7/12/2009		72	74	0	0	0	0	
7/13/2009		64	56	0	0	0	0	
7/14/2009		72	68	8	18	0	0	0 started pumping unit
7/15/2009	60	73	67	0	0	0	43	shut pump in for test
7/16/2009	155	61	20	8	18	0	0	opened
7/17/2009		68	72	8	18	0	43	
7/18/2009		66	72	8	18	0	42	
7/19/2009		72	78	8	18	0	43	
7/20/2009		72	74	8	18	7	42	
7/21/2009		72	72	8	18	0	41	
7/22/2009		72	72	8	18	0	42	
7/23/2009		68	72	8	18	0	43	
7/24/2009		66	72	8	18	0	42	
7/25/2009		72	72	8	18	0	39	
7/26/2009		68	72	8	18	0	43	
7/27/2009		66	72	8	18	4	41	
7/28/2009		68	73	8	18	0	42	
7/29/2009		68	73	8	18	0	42	
7/30/2009		78	70	8	18	0	41	
7/31/2009		74	73	8	18	0	43	

Total 2022

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W386
 Zweygardt 02-24
 St. Francis
 St. Francis
 None
 August-09

DATE	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2009		72	72	0	0	0	0	
8/2/2009		70	72	0	0	0	0	
8/3/2009		73	72	0	0	0	0	
8/4/2009		73	72	0	0	0	0	
8/5/2009		92	71	0	0	0	0	
8/6/2009		72	68	0	0	0	0	
8/7/2009		72	72	0	0	0	0	
8/8/2009		70	72	0	0	0	0	
8/9/2009		70	72	0	0	0	0	
8/10/2009		69	72	0	0	0	0	0 PU OFF
8/11/2009		66	72	0	0	0	0	
8/12/2009		62	74	0	0	0	0	
8/13/2009		64	71	0	0	0	0	
8/14/2009		68	71	0	0	0	0	
8/15/2009		70	71	0	0	0	0	
8/16/2009		68	71	0	0	0	0	0 pu off
8/17/2009		138	30	0	0	0	0	
8/18/2009		137	20	0	0	0	0	
8/19/2009		137	24	0	0	0	0	
8/20/2009		67	57	0	0	0	0	
8/21/2009		68	71	0	0	0	0	
8/22/2009		67	71	0	0	4	0	
8/23/2009		117	49	0	0	0	0	
8/24/2009		66	47	0	0	0	0	
8/25/2009		99	38	0	0	4	0	
8/26/2009		66	47	8	18	0	0	0 started pump
8/27/2009		67	48	8	18	0	43	
8/28/2009		67	48	8	18	0	42	
8/29/2009		117	50	8	18	0	41	
8/30/2009		69	57	8	18	3	42	
8/31/2009		68	64	8	18	0	41	

Total

1866

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W386
 Zwegardt 02-24
 St. Francis
 St. Francis
 None
 September-09

DATE	Casing		MCF	SPM	CYCLE	HRS	Water	
	PSI	STATIC				DOWN	BBLs	
9/1/2009	0	69	65	8	18	0	0	43
9/2/2009	0	68	66	8	18	0	0	44
9/3/2009	0	72	67	8	18	0	0	42
9/4/2009	0	93	54	8	18	6	0	42
9/5/2009	0	73	72	8	18	0	0	42
9/6/2009	0	71	71	8	18	0	0	43
9/7/2009	0	71	71	8	18	0	0	41
9/8/2009	0	71	71	8	18	0	0	42
9/9/2009	0	73	70	8	18	0	0	43
9/10/2009	0	69	71	8	18	0	0	42
9/11/2009	0	67	70	8	18	0	0	41
9/12/2009	0	67	70	8	18	0	0	42
9/13/2009	0	71	68	8	18	1.5	0	43
9/14/2009	0	66	70	8	18	0	0	42
9/15/2009	0	67	69	8	18	0	0	42
9/16/2009	0	65	69	8	18	0	0	40
9/17/2009	0	64	69	8	18	0	0	41
9/18/2009	0	64	69	8	18	0	0	43
9/19/2009	0	63	69	8	18	0	0	42
9/20/2009	0	63	69	8	18	0	0	43
9/21/2009	0	65	69	8	18	0	0	41
9/22/2009	0	63	69	8	18	0	0	42
9/23/2009	0	63	69	8	18	0	0	43
9/24/2009	0	62	69	8	18	0	0	42
9/25/2009	0	73	46	8	18	6	0	41
9/26/2009	0	111	51	8	18	0	0	42
9/27/2009	0	99	71	8	18	0	0	43
9/28/2009	0	92	73	8	18	0	0	42
9/29/2009	0	70	69	8	18	0	0	42
9/30/2009	0	71	44	0	0	8	0	43
10/1/2009	0	0	0	0	0	0	0	0

Total

2000

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