

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow **AST**
 Deliverability

Test Date:
5/9/2011

API No. 15
023-21251-00 -00

Company Rosewood Resources, Inc.		Lease Zweygardt			Well Number 43-24
County Cheyenne	Location NESE	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9/27/2010		Plug Back Total Depth 1507'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1547'	Perforations 1320'	To 1350'
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 type="checkbox"/> No <input checked="" type="checkbox"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1560'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-8 20 11 at 5:30 (AM) (PM) Taken 5-9 20 11 at 5:45 (AM) (PM)		Well on Line: Started 5-9 20 11 at 5:45 (AM) (PM) Taken 5-10 20 11 at 6:10 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						137	151.4				
Flow						134	148.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _p) 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
						43		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = 0.207
(P_d)² =

(P_e)² = : (P_d)² = : P_d = % (P_e - 14.4) + 14.4 = :

(P _e) ² - (P _s) ² or (P _e) ² - (P _d) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _s ² 2. P _e ² - P _d ² divided by: P _e ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_e^2 - P_w^2}{P_e^2 - P_s^2}$	Backpressure Curve Slope = "n" 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 28 day of December, 20 11

Witness (if any)

For Commission

Janell Grew

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.

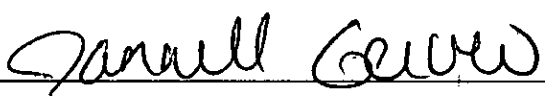
I hereby request a one-year exemption from open flow testing for the Zweygardt 43-24 gas well on the grounds that said well:

(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: 12/28/11

Signature: 
Title: Production Assistant

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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W2732
 Zweygardt 43-24
 St. Francis
 St. Francis
 Flow
 May-11
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
5/1/2011		138	151	46				
5/2/2011		138	151	46				
5/3/2011		138	151	46				
5/4/2011		137	150	46				
5/5/2011		137	150	46				
5/6/2011		137	150	46				
5/7/2011		144	157	46				
5/8/2011		149	162	12				
5/9/2011		137	150	0		24		Compressor Down
5/10/2011		145	158	12				
5/11/2011		141	154	43				
5/12/2011		139	152	45				
5/13/2011		138	151	45				
5/14/2011		138	151	45				
5/15/2011		137	150	45				
5/16/2011		137	150	45				
5/17/2011		136	149	44				
5/18/2011		136	149	44				
5/19/2011		136	149	44				
5/20/2011		136	149	44				
5/21/2011		135	148	44				
5/22/2011		136	149	41				
5/23/2011		135	148	43				
5/24/2011		135	148	43				
5/25/2011		134	147	43				
5/26/2011		134	147	43				
5/27/2011		134	147	43				
5/28/2011		134	147	43				
5/29/2011		134	147	43				
5/30/2011		134	147	43				
5/31/2011		133	146	43				

Total 1262 0

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W2732
 Zweygardt 43-24
 St. Francis
 St. Francis
 Flow
 June-11
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLEDOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2011		134	147	41				
6/2/2011		133	146	41				
6/3/2011		133	146	42				
6/4/2011		133	146	42				
6/5/2011		132	145	42				
6/6/2011		142	155	42				
6/7/2011		132	145	42				
6/8/2011		131	144	42				
6/9/2011		131	144	42				
6/10/2011		131	144	42				
6/11/2011		131	144	42				
6/12/2011		130	143	42				
6/13/2011		130	143	42				
6/14/2011		130	143	42				
6/15/2011		130	143	42				
6/16/2011		131	144	40				
6/17/2011		130	143	41				
6/18/2011		130	143	41				
6/19/2011		119	132	41				
6/20/2011		129	142	41				
6/21/2011		129	142	41				
6/22/2011		129	142	41				
6/23/2011		132	145	34		1		
6/24/2011		130	143	40				
6/25/2011		129	142	40				
6/26/2011		129	142	40				
6/27/2011		128	141	40				
6/28/2011		128	141	40				
6/29/2011		128	141	40				
6/30/2011		127	140	41				
7/1/2011								

Total

1229

0

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W2732
 Zweygardt 43-24
 St. Francis
 St. Francis
 Flow
 July-11
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs
7/1/2011		127	140	40			
7/2/2011		127	140	40			
7/3/2011		126	139	40			
7/4/2011		126	139	40			
7/5/2011		126	139	40			
7/6/2011		126	139	40			
7/7/2011		126	139	40			
7/8/2011		125	138	40			
7/9/2011		125	138	40			
7/10/2011		125	138	40			
7/11/2011		125	138	40			
7/12/2011		124	137	40			
7/13/2011		123	136	40		1	
7/14/2011		124	137	39			
7/15/2011		124	137	40			
7/16/2011		124	137	39			
7/17/2011		124	137	38			
7/18/2011		126	139	38			
7/19/2011		124	137	37		2	
7/20/2011		124	137	39			
7/21/2011		125	138	36			
7/22/2011		123	146	39			
7/23/2011		123	146	39			
7/24/2011		122	145	39			
7/25/2011		122	145	39			
7/26/2011		122	145	39			
7/27/2011		122	145	39			
7/28/2011		122	145	39			
7/29/2011		123	145	36			
7/30/2011		122	135	38			
7/31/2011		122	135	38			

Total 1211 0

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