

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
023-21262-00 - ∞

Company Rosewood Resources, Inc.		Lease Zweygardt		Well Number 31-24	
County Cheyenne	Location NWNE	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/12/2010		Plug Back Total Depth 1416'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1456'	Perforations 1192'	To 1222'
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 <input type="radio"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1470'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-8		20 11 at 5:45		(AM) (PM) Taken 5-9	
Well on Line: Started 5-9		20 11 at 6:00		(AM) (PM) Taken 5-10	
				20 11 at 6:00 (AM) (PM)	
				20 11 at 6:25 (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						127	141.4				
Flow						90	114.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _e) 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
						33		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ : (P_w)² = _____ : P_d = _____ % (P_e - 14.4) + 14.4 = _____ : (P_w)² = 0.207
(P_d)² = _____


(P _e) ² - (P _w) ² or (P _e) ² - (P _d) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _w 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: $\frac{P_e^2 - P_w^2}{P_e^2 - P_d^2}$	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 28 day of December, 20 11

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 31-24 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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Zweygart 31:24

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Flow

May-11

FloBoss

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BLS	REMARKS (Maximum length 110 characters)
	PSI	PSI					
5/1/2011		94	107	35			
5/2/2011		95	108	35			
5/3/2011		95	108	35			
5/4/2011		94	107	34			
5/5/2011		94	107	34			
5/6/2011		95	108	34			
5/7/2011		95	108	34			
5/8/2011		137	150	34			
5/9/2011		127	140	0	24		Compressor Down
5/10/2011		133	147	10			
5/11/2011		126	139	48			
5/12/2011		99	112	41			
5/13/2011		95	108	36			
5/14/2011		93	106	35			
5/15/2011		92	105	35			
5/16/2011		91	104	35			
5/17/2011		52	65	34			
5/18/2011		90	103	33			
5/19/2011		89	102	34			
5/20/2011		90	103	34			
5/21/2011		90	103	33			
5/22/2011		101	114	32			
5/23/2011		90	103	33			
5/24/2011		88	101	33			
5/25/2011		88	101	33			
5/26/2011		88	101	33			
5/27/2011		89	102	33			
5/28/2011		89	102	33			
5/29/2011		91	104	33			
5/30/2011		91	104	33			
5/31/2011		90	103	33			

Total

1012

0

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Zweygardt 31-24

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Flow

June-11

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DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
6/1/2011		97	110	32				
6/2/2011		90	113	32				
6/3/2011		90	103	32				
6/4/2011		90	103	32				
6/5/2011		90	103	31				
6/6/2011		91	104	34				
6/7/2011		89	102	31				
6/8/2011		88	101	31				
6/9/2011		88	101	31				
6/10/2011		88	101	31				
6/11/2011		89	102	31				
6/12/2011		89	102	31				
6/13/2011		89	102	31				
6/14/2011		89	102	31				
6/15/2011		88	101	31				
6/16/2011		92	105	30				
6/17/2011		88	101	31				
6/18/2011		87	100	31				
6/19/2011		90	103	30				
6/20/2011		88	101	30				
6/21/2011		90	103	30				
6/22/2011		90	103	30				
6/23/2011		100	113	30		1		
6/24/2011		90	103	30				
6/25/2011		90	103	30				
6/26/2011		90	103	30				
6/27/2011		89	102	30				
6/28/2011		89	102	30				
6/29/2011		90	103	30				
6/30/2011		90	103	30				
7/1/2011								

Total

924

0

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Zweygart 31-24

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Flow

July-11

FloBoss

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBL	REMARKS (Maximum length 110 characters)
	PSI	PSI					
7/1/2011		90	103	30			
7/2/2011		88	101	30			
7/3/2011		88	101	30			
7/4/2011		88	101	30			
7/5/2011		90	103	30			
7/6/2011		87	100	30			
7/7/2011		88	101	30			
7/8/2011		89	102	30			
7/9/2011		88	101	30			
7/10/2011		89	102	29			
7/11/2011		87	100	29			
7/12/2011		86	99	29			
7/13/2011		81	94	29		1	
7/14/2011		87	100	29			
7/15/2011		86	99	29			
7/16/2011		86	99	29			
7/17/2011		90	103	28			
7/18/2011		97	110	28			
7/19/2011		89	102	28		2	
7/20/2011		87	100	28			
7/21/2011		93	106	28			
7/22/2011		85	98	29			
7/23/2011		85	98	29			
7/24/2011		84	97	28			
7/25/2011		85	98	28			
7/26/2011		85	98	28			
7/27/2011		83	96	28			
7/28/2011		85	98	28			
7/29/2011		89	102	28			
7/30/2011		84	86	28			
7/31/2011		86	86	28			

Total

895

0

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