

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow **BSI**

Deliverability

Test Date:
9/28/2011

API No. 15
15-023-20-049-00-00

Company Rosewood Resources, Inc.		Lease Rudolph Walter		Well Number #4	
County Cheyenne	Location C NW/4	Section 9	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 1/24/1978		Plug Back Total Depth 1565'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1565'	Perforations 1458'	To 1488'
Tubing Size NONE 2 3/8"	Weight	Internal Diameter	Set at 1494'	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production Dry Gas		Pump Unit or Travelling Plunger? <input checked="" type="radio"/> Yes / Pumping Unit Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen Gas Gravity - G _g .6	
Vertical Depth(H) 1643'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	

Pressure Bulldup: Shut in 9-27 20 11 at 10:10 (AM) (PM) Taken 9-28 20 11 at 10:25 (AM) (PM)

Well on Line: Started 9-28 20 11 at 10:25 (AM) (PM) Taken 9-29 20 11 at 11:10 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter or Prover Pressure psig (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 ₂)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						94	108.4				
Flow						35	49.4			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
						0		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P₁)² = _____ : (P_w)² = _____ : P_d = _____ % (P₀ - 14.4) + 14.4 = _____ : (P₁)² = 0.207 : (P₀)² = _____

(P ₁) ² - (P _w) ² or (P ₁) ² - (P ₀) ²	(P ₁) ² - (P _w) ²	Choose formula 1 or 2: 1. P ₁ ² - P _w ² 2. P ₁ ² - P ₀ ² divided by: P ₀ ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_1^2 - P_w^2}{P_0^2 - P_w^2}$	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 C. [Signature]
For Company
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Checked by

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 Rudolph Walter #4 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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W376

Walter #4

St. Francis

St. Francis

Pumping Unit/Elec

September-11

DATE	Tubing Casing				HRS	Water	REMARKS (Maximum length 110 characters)		
	PSI	PSI	STATIC MCF	SPM				CYCLE DOWN	BBLs
9/1/2011		35	48	0	0	0	0	0	
9/2/2011		35	48	0	0	0	0	0	
9/3/2011		35	48	0	0	0	0	0	
9/4/2011		35	49	0	0	0	0	0	
9/5/2011		35	48	0	0	0	0	0	
9/6/2011		35	48	0	0	0	0	0	
9/7/2011		35	47	0	0	0	0	0	
9/8/2011		35	53	0	0	0	0	0	
9/9/2011		36	49	0	0	0	0	0	
9/10/2011		36	49	0	0	0	0	0	
9/11/2011		36	49	0	0	0	0	0	
9/12/2011		37	49	0	0	0	0	0	
9/13/2011		36	49	0	0	0	0	0	
9/14/2011		34	47	0	0	0	0	0	
9/15/2011		34	48	0	0	0	0	0	
9/16/2011		35	47	0	0	0	0	0	
9/17/2011		34	48	0	0	0	0	0	
9/18/2011		34	47	0	0	0	0	0	
9/19/2011		34	48	0	0	0	0	0	
9/20/2011		34	48	0	0	0	0	0	
9/21/2011		33	46	0	0	0	0	0	
9/22/2011		34	47	0	0	0	0	0	
9/23/2011		35	48	0	0	0	0	0	
9/24/2011		34	48	0	0	0	0	0	
9/25/2011		32	48	0	0	0	0	0	
9/26/2011		36	49	0	0	0	0	0	
9/27/2011		35	48	0	0	0	0	0	
9/28/2011		94	48	0	0	0	24	0	si for state test
9/29/2011		34	50	1	0	0	0	0	
9/30/2011		34	47	0	0	0	0	0	
10/1/2011		0	0	0	0	0	0	0	

Total

1

0

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W376
 Wälter.#4 , .
 St. Francis
 St. Francis
 Pumping Unit/Elec
 October-11

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE DOWN	HRS	Water	REMARKS (Maximum length 110 characters)
	PSI	PSI						BLS	
10/1/2011		35	48	0	0	0	0	0	
10/2/2011		35	49	0	0	0	0	0	
10/3/2011		35	49	0	0	0	0	0	
10/4/2011		35	49	0	0	0	0	0	
10/5/2011		35	49	0	0	0	0	0	
10/6/2011		37	48	0	0	0	0	0	
10/7/2011		37	50	0	0	0	0	0	
10/8/2011		34	49	0	0	0	0	0	
10/9/2011		36	49	0	0	0	0	0	
10/10/2011		36	49	0	0	0	0	0	
10/11/2011		35	59	0	0	0	0	0	
10/12/2011		34	49	0	0	0	0	0	
10/13/2011		33	47	0	0	0	0	0	
10/14/2011		33	49	0	0	0	0	0	
10/15/2011		33	47	0	0	0	0	0	
10/16/2011		34	47	0	0	0	0	0	
10/17/2011		34	47	0	0	0	0	0	
10/18/2011		34	46	0	0	0	0	0	
10/19/2011		35	53	0	0	0	0	0	
10/20/2011		33	48	0	0	0	0	0	
10/21/2011		35	47	0	0	0	0	0	
10/22/2011		35	47	0	0	0	0	0	
10/23/2011		35	48	0	0	0	0	0	
10/24/2011		35	47	0	0	0	0	0	
10/25/2011		34	48	0	0	0	0	0	
10/26/2011		34	47	0	0	0	0	0	
10/27/2011		33	47	0	0	0	0	0	
10/28/2011		33	46	0	0	0	0	0	
10/29/2011		34	46	0	0	0	0	0	
10/30/2011		33	46	0	0	0	0	0	
10/31/2011		33	46	0	0	0	0	0	
Total				0				0	

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W376
 Walter #4
 St. Francis
 St. Francis
 Pumping Unit/Elec
 November-11

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
11/1/2011		33	43	0	0	0	0	0
11/2/2011		33	48	0	0	0	0	0
11/3/2011		33	46	0	0	0	0	0
11/4/2011		34	45	0	0	0	0	0
11/5/2011		34	46	0	0	0	0	0
11/6/2011		33	45	0	0	0	0	0
11/7/2011		41	46	0	0	0	0	0
11/8/2011		33	51	0	0	0	0	0
11/9/2011		33	46	0	0	0	0	0
11/10/2011		32	45	0	0	0	0	0
11/11/2011		33	46	0	0	0	0	0
11/12/2011		33	46	0	0	0	0	0
11/13/2011		32	46	0	0	0	0	0
11/14/2011		32	46	0	0	0	0	0
11/15/2011		29	41	0	0	0	0	0
11/16/2011		32	46	0	0	0	0	0
11/17/2011		30	44	0	0	0	0	0
11/18/2011		32	44	0	0	0	0	0
11/19/2011		32	45	0	0	0	0	0
11/20/2011		31	44	0	0	0	0	0
11/21/2011		31	44	0	0	0	0	0
11/22/2011		33	45	0	0	0	0	0
11/23/2011		33	45	0	0	0	0	0
11/24/2011		33	46	0	0	0	0	0
11/25/2011		32	46	0	0	0	0	0
11/26/2011		32	46	0	0	0	0	0
11/27/2011		32	46	0	0	0	0	0
11/28/2011		34	45	0	0	0	0	0
11/29/2011		32	46	0	0	0	0	0
11/30/2011		33	46	0	0	0	0	0
12/1/2011		0	0	0	0	0	0	0

Total 0 0

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