

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **BSI**
 Deliverability

Test Date:
6/27/2012

API No. 15
023-20629-0000

Company Rosewood Resources, Inc.		Lease R. Walter		Well Number 21-21	
County Cheyenne	Location NENW/4	Section 21	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/22/2005		Plug Back Total Depth 1518'		Packer Set at	
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1518'	Perforations 1371'	To 1403'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production		Pump Unit or Traveling Plunger? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1403'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 6-26		20 12 at 10:35		(AM) (PM) Taken 6-27	
Well on Line: Started 6-27		20 12 at 10:50		(AM) (PM) Taken 6-28	
		20 12 at 10:50		(AM) (PM) Taken 6-28	
		20 12 at 11:35		(AM) (PM) Taken 6-28	

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OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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 _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						150	164.4				
Flow						98	112.4			24	0

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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						17		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

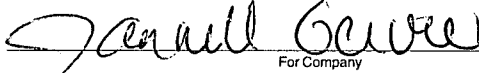
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow Mcf/d @ 14.65 psia Deliverability Mcf/d @ 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 19 day of December, 20 12.

Witness (if any)

For Commission


For Company

Checked by

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Form G-2
(Rev. 7/03)

JAN 03 2013

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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.

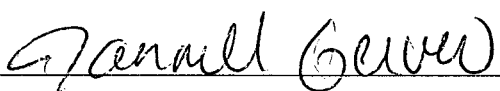
I hereby request a one-year exemption from open flow testing for the R. Walter 21-21 gas well on the grounds that said well:

(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: 12/19/12

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.

W364

R. Walter 21-21

St. Francis

St. Francis

None

June-12

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DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
6/1/2012	78	91	17		
6/2/2012	80	93	16		
6/3/2012	80	93	16		
6/4/2012	81	94	17		
6/5/2012	81	94	16		
6/6/2012	80	93	16		
6/7/2012	78	91	17		
6/8/2012	78	91	15		
6/9/2012	82	95	17		
6/10/2012	79	92	17		
6/11/2012	79	92	17		
6/12/2012	79	92	17		
6/13/2012	79	92	17		
6/14/2012	78	91	17		
6/15/2012	80	93	17		
6/16/2012	79	92	16		
6/17/2012	81	94	16		
6/18/2012	83	96	16		
6/19/2012	82	95	16		
6/20/2012	84	97	17		
6/21/2012	86	99	11		
6/22/2012	89	102	11		
6/23/2012	88	101	17		
6/24/2012	57	70	15		
6/25/2012	87	100	15		
6/26/2012	87	100	16		cp 92 si for state test
6/27/2012	150	72	0		24 cp 150 opened
6/28/2012	98	111	22		
6/29/2012	93	106	17		
6/30/2012	87	100	17		
7/1/2012					

Total

471

W364
 R Walter 21-21
 St. Francis
 St. Francis
 None
 July-12

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DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2012	86	99		17	
7/2/2012	86	99		17	3
7/3/2012	92	105		17	
7/4/2012	78	91		17	
7/5/2012	78	91		17	
7/6/2012	77	90		15	1
7/7/2012	79	92		17	
7/8/2012	80	93		17	
7/9/2012	81	94		17	
7/10/2012	80	93		16	
7/11/2012	79	92		16	
7/12/2012	79	92		16	
7/13/2012	79	92		16	
7/14/2012	78	91		16	
7/15/2012	79	92		16	
7/16/2012	87	100		16	1.5
7/17/2012	79	92		17	
7/18/2012	77	90		17	
7/19/2012	80	93		16	0.5
7/20/2012	82	95		16	
7/21/2012	83	96		16	
7/22/2012	80	93		17	
7/23/2012	78	91		16	0.5
7/24/2012	84	97		16	
7/25/2012	88	101		16	
7/26/2012	78	91		17	
7/27/2012	101	114		0	5
7/28/2012	86	99		15	
7/29/2012	79	92		16	
7/30/2012	78	91		17	
7/31/2012	77	90		13	

Total

488

W364

R Walter 21-21

St. Francis

St. Francis

None

August-12

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DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2012	77	90		13	
8/2/2012	79	92		13	
8/3/2012	79	92		13	showed 0 mcf
8/4/2012	78	91		15	
8/5/2012	78	91		13	
8/6/2012	77	90		16	
8/7/2012	79	92		16	
8/8/2012	80	93		16	
8/9/2012	79	92		16	
8/10/2012	93	107		16	
8/11/2012	79	93		16	1.5
8/12/2012	76	90		16	
8/13/2012	77	90		16	
8/14/2012	72	85		12	
8/15/2012	84	97		14	
8/16/2012	77	90		16	
8/17/2012	77	90		14	
8/18/2012	78	91		16	
8/19/2012	78	91		14	
8/20/2012	77	90		16	
8/21/2012	77	90		13	
8/22/2012	77	90		16	
8/23/2012	77	90		12	
8/24/2012	80	93		13	
8/25/2012	80	93		13	
8/26/2012	77	90		13	
8/27/2012	77	90		13	
8/28/2012	77	90		13	meter showed 0 mcf
8/29/2012	77	90		16	
8/30/2012	78	91		15	
8/31/2012	78	91		15	

Total

449