

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow Deliverability

Test Date:
5/6/2008

API No. 15
023-20663-00

Company Rosewood Resources, Inc.		Lease R. Walter		Well Number 32-21	
County Cheyenne	Location SWNE	Section 21	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 3/12/2006		Plug Back Total Depth 1548'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1549'	Perforations 1370'	To 1402'
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	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1402'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-6 20 08 at 4:30 (AM) <input checked="" type="radio"/> (PM)		Taken 5-7 20 08 at 4:45 (AM) <input checked="" type="radio"/> (PM)			
Well on Line: Started 5-7 20 08 at 4:45 (AM) <input checked="" type="radio"/> (PM)		Taken 5-8 20 08 at 3:45 (AM) <input checked="" type="radio"/> (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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 _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						70	84.4				
Flow						68	82.4				

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _c) 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
						34		

(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" ----- 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 12 day of December, 20 08.

Witness (if any)
For Commission

For Company

Checked by

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JAN 29 2009
CONSERVATION DIVISION
WICHITA KS

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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 R. Walter 32-21 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: 12/12/08

Signature: Wayne Andra

Title: Production Foreman

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WICHITA, KS

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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W371
R Walter 32-21
St. Francis
St. Francis
Pumping Unit
May-08

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
5/1/2008			58	37	6	24	0	34
5/2/2008			58	37	6	24	0	33
5/3/2008			56	38	6	24	0	34
5/4/2008			57	37	6	24	0	35
5/5/2008			57	38	6	24	0	35 bucket test 5 min
5/6/2008			57	37	6	24	0	34
5/7/2008		70	57	38	0	0	0	0 shut pump off 4:30 pm
5/8/2008		68	55	35	6	24	0	0 started pumping unit 3:45 pm
5/9/2008			56	35	6	24	0	35
5/10/2008			56	37	6	24	0	34
5/11/2008			56	37	6	24	0	33
5/12/2008			57	36	6	24	0	34
5/13/2008			56	36	6	24	0	33
5/14/2008			55	37	6	24	0	35 bucket test 5 min
5/15/2008			61	36	6	24	0	34
5/16/2008			57	36	6	24	0	36
5/17/2008			57	36	6	24	0	34
5/18/2008			56	36	6	24	0	35
5/19/2008			57	36	6	24	0	35
5/20/2008			56	35	6	24	0	35 bucket test 5 min greased
5/21/2008			63	36	6	24	0	34
5/22/2008			54	35	6	24	0	33
5/23/2008			55	35	6	24	0	34
5/24/2008			64	36	6	24	0	35
5/25/2008			62	35	6	24	0	33
5/26/2008			62	35	6	24	0	32
5/27/2008			58	34	6	24	0	33
5/28/2008			57	35	6	24	0	35 bucket test 5 min
5/29/2008			58	34	6	24	0	34
5/30/2008			57	35	6	24	0	33
5/31/2008			59	34	6	24	0	36

Total

1114

990

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W371
 R Walter 32-21
 St. Francis
 St. Francis
 Pumping Unit
 June-08

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
6/1/2008			59	34	6	24	0	35
6/2/2008			59	34	6	24	0	34
6/3/2008			59	33	6	24	0	33
6/4/2008			58	34	6	24	0	34
6/5/2008			57	34	6	24	0	35 bucket test 5 min
6/6/2008			56	35	6	24	0	34
6/7/2008			57	34	6	24	0	33
6/8/2008			58	34	6	24	0	32
6/9/2008			58	34	6	24	0	33
6/10/2008			59	33	6	24	0	34
6/11/2008			63	30	6	24	0	33
6/12/2008			61	32	6	24	0	35 bucket test 5 min
6/13/2008			63	31	6	24	0	34
6/14/2008			61	32	6	24	0	36
6/15/2008			66	30	6	24	0	35
6/16/2008			63	31	6	24	0	35
6/17/2008			62	32	6	24	0	34
6/18/2008			60	32	6	24	0	33
6/19/2008			59	33	6	24	0	35 bucket test 5 min
6/20/2008			59	33	6	34	0	34
6/21/2008			60	32	6	24	0	33
6/22/2008			61	33	6	24	0	34
6/23/2008			61	33	6	24	0	35
6/24/2008			60	32	6	24	0	34
6/25/2008			61	32	6	24	0	35 bucket test 5 min
6/26/2008			65	32	6	24	0	34
6/27/2008			61	31	6	24	0	36
6/28/2008			60	32	6	24	0	34
6/29/2008			60	32	6	24	0	33
6/30/2008			60	32	6	24	0	34
7/1/2008							0	0

Total

976

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W371
 R Walter 32-21
 St. Francis
 St. Francis
 Pumping Unit
 July-08

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
7/1/2008			61	33	6	24	0	34
7/2/2008			66	33	6	24	0	35
7/3/2008			60	30	6	24	0	34 bucket test 5 min greased
7/4/2008			61	30	6	24	0	33
7/5/2008			71	29	6	24	0	32
7/6/2008			73	29	6	24	0	33
7/7/2008			67	30	6	24	0	34
7/8/2008			65	30	6	24	0	33
7/9/2008			61	31	6	24	0	32
7/10/2008			63	30	6	24	0	33
7/11/2008			65	31	6	24	0	32
7/12/2008			64	28	6	24	0	34 bucket test 5 min greased
7/13/2008			63	29	6	24	0	33
7/14/2008			103	31	6	24	11	31 PU off HFP
7/15/2008			108	3	6	24	0	0
7/16/2008			90	22	0	0	0	0 PU off HFP
7/17/2008			73	40	0	0	0	0
7/18/2008			96	35	0	0	0	0 PU off HFP
7/19/2008			54	26	6	24	3	0 started pumping unit
7/20/2008			60	32	6	24	0	34
7/21/2008			60	32	6	24	0	33
7/22/2008			64	30	6	24	0	32
7/23/2008			69	30	6	24	0	33
7/24/2008			97	29	6	24	0	34 bucket test 5 min
7/25/2008			96	30	6	24	0	32
7/26/2008			59	34	6	24	0	33
7/27/2008			54	32	6	24	0	34
7/28/2008			65	34	6	24	0	32
7/29/2008			57	30	6	24	0	33
7/30/2008			100	35	6	24	0	34 bucket test 5 min
7/31/2008			62	15	6	24	5	33

Total

913

860

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