

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow **BSI**
 Deliverability

Test Date:
6/14/2011

API No. 15
023-20663-00 - 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 2 3/8"	Weight	Internal Diameter	Set at 1454	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production Dry Gas		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1402'		Pressure Taps Flange		Gas Gravity - G _g .6	
Pressure Buildup: Shut In <u>6-13</u> ... 20 <u>11</u> at <u>10:45</u> ... <input checked="" type="checkbox"/> (AM) <input checked="" type="checkbox"/> (PM) Taken <u>6-14</u> ... 20 <u>11</u> at <u>10:55</u> ... <input checked="" type="checkbox"/> (AM) <input checked="" type="checkbox"/> (PM)		Well on Line: Started <u>6-14</u> ... 20 <u>11</u> at <u>10:55</u> ... <input checked="" type="checkbox"/> (AM) <input checked="" type="checkbox"/> (PM) Taken <u>6-15</u> ... 20 <u>11</u> at <u>11:45</u> ... <input checked="" type="checkbox"/> (AM) <input checked="" type="checkbox"/> (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						46	60.4				
Flow						50	64.4			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 _{ps}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						21		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _o) ² - (P _w) ² or (P _o) ² - (P _d) ²	(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P _o ² - P _d ² 2. P _o ² - P _w ² divided by: P _o ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_o^2 - P_w^2}{P_o^2 - P_w^2}$	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.

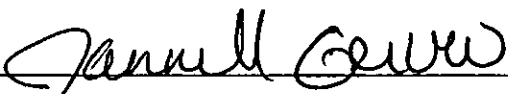
I hereby request a one-year exemption from open flow testing for the R. Walter 32-21 gas well on the grounds that said well:

(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: 12/28/11

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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R. Walter 32-21

St. Francis

St. Francis

Pumping Unit

June-11

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	DOWN	Water	REMARKS
	PSI	PSI								
6/1/2011		55	70	1	6	0	0	0	0	needs wo pu off
6/2/2011		0	61	0	6	0	0	0	0	wo rig on site
6/3/2011		46	59	0	6	12	0	0	17	5 min bucket
6/4/2011		45	59	1	6	6	0	0	8	changed timer to 6 hrs on and 18 hrs off
6/5/2011		46	59	1	6	6	0	0	7	
6/6/2011		46	59	1	6	6	0	0	7	bucket test 6 min
6/7/2011		44	58	1	6	6	0	0	7	5.75 min bt
6/8/2011		44	59	1	6	6	0	0	9	put on new belts
6/9/2011		45	58	1	6	10	0	0	14	5 min bt chg timer to 10 hrs on
6/10/2011		45	59	1	6	10	0	0	15	
6/11/2011		46	59	2	6	10	0	0	13	
6/12/2011		46	59	2	6	10	0	0	12	
6/13/2011		46	59	2	6	10	0	0	13	5.5 min bt
6/14/2011		46	59	0	6	5	24	0	7	si for 24 hrs squeezed
6/15/2011		45	73	15	6	5	0	0	7	reopen well restart pu
6/16/2011		47	65	21	6	10	0	0	14	
6/17/2011		50	63	21	6	10	0	0	13	
6/18/2011		50	63	21	6	10	0	0	12	
6/19/2011		51	63	21	6	10	0	0	13	
6/20/2011		50	63	21	6	10	0	0	13	
6/21/2011		50	63	22	6	10	0	0	14	5 min bt greased
6/22/2011		51	80	18	6	10	0	0	15	
6/23/2011		69	74	21	6	10	1	0	14	
6/24/2011		50	63	20	6	10	0	0	17	
6/25/2011		50	63	20	6	10	0	0	15	
6/26/2011		50	63	20	6	10	0	0	14	
6/27/2011		49	62	21	6	10	0	0	13	
6/28/2011		50	63	21	6	10	0	0	14	5 min bt
6/29/2011		50	64	21	6	10	0	0	13	
6/30/2011		50	63	21	6	10	0	0	14	
7/1/2011		0	0	0	0	0	0	0	0	

Total

339

344

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R. Walter 32-2131

St. Francis

St. Francis

Pumping Unit

July-11

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
7/1/2011		51	63	22	6	10	0	14
7/2/2011		48	63	22	6	10	0	13
7/3/2011		48	63	22	6	10	0	12
7/4/2011		48	63	22	6	10	0	14
7/5/2011		50	63	22	6	10	0	15
7/6/2011		51	63	22	6	10	0	14 5 min bt greased
7/7/2011		51	63	23	6	10	0	13
7/8/2011		50	63	23	6	10	0	12
7/9/2011		50	63	23	6	10	0	15
7/10/2011		50	63	23	6	10	0	17
7/11/2011		51	63	23	6	10	0	14 5 min bt
7/12/2011		49	63	23	6	10	0	13
7/13/2011		44	61	23	6	10	1	12
7/14/2011		50	63	23	6	10	0	11
7/15/2011		50	63	24	6	10	0	14
7/16/2011		54	68	24	6	10	0	12
7/17/2011		54	67	24	6	10	0	14
7/18/2011		52	72	23	6	10	0	15
7/19/2011		54	66	25	6	10	0	13
7/20/2011		50	72	22	6	10	0	12
7/21/2011		61	70	24	6	5	0	6 pu off hfp
7/22/2011		47	61	22	6	5	0	6 restart pu
7/23/2011		50	61	23	6	10	0	14 5 min bt
7/24/2011		50	61	23	6	10	0	16
7/25/2011		48	61	24	6	10	0	17
7/26/2011		47	61	24	6	10	0	16
7/27/2011		49	61	24	6	10	0	13 5.5 min bt
7/28/2011		48	69	21	6	10	0	14
7/29/2011		62	76	24	6	10	0	11
7/30/2011		50	65	25	6	10	0	12
7/31/2011		47	63	25	6	10	0	13

Total

717

407

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R. Walter 32:21

St. Francis

St. Francis

Pumping Unit

August-11

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS	DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
8/1/2011		50	63	25	6	10		0	14
8/2/2011		49	62	25	6	10		0	12
8/3/2011		49	62	25	6	10		0	13
8/4/2011		49	62	25	6	10		0	13 5.5 min bt greased
8/5/2011		49	62	25	6	10		0	14
8/6/2011		49	63	25	6	10		0	15
8/7/2011		49	62	25	6	10		0	16
8/8/2011		49	62	25	6	10		0	12 5.75 min bt
8/9/2011		49	61	25	6	10		0	13
8/10/2011		45	67	22	6	10		0	12
8/11/2011		45	80	19	6	10		0	13
8/12/2011		84	92	19	6	5		0	6 shut pumping unit off hfp
8/13/2011		73	87	20	6	0		0	0
8/14/2011		80	93	17	6	0		0	0
8/15/2011		80	73	2	6	0		0	0
8/16/2011		47	68	3	6	5		0	6 restart pu
8/17/2011		108	88	2	6	5		5	6 pu off hfp
8/18/2011		50	67	4	6	10		4	6 restart pu
8/19/2011		59	68	4	6	10		1	20 3.5 min bt
8/20/2011		46	59	4	6	10		0	21
8/21/2011		45	59	4	6	10		0	23
8/22/2011		45	58	4	6	10		0	21
8/23/2011		71	60	4	6	10		0	22
8/24/2011		46	59	4	6	10		0	21
8/25/2011		49	66	2	6	14		0	23 chg time clock to 14 hrs on
8/26/2011		46	60	4	6	14		0	21
8/27/2011		47	60	4	6	14		0	22
8/28/2011		47	60	2	6	14		0	21
8/29/2011		47	60	5	6	14		0	20
8/30/2011		47	60	6	6	14		0	22
8/31/2011		47	60	6	6	14		0	18 5.5 min bt

Total

386

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