

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **OSI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
5/6/2008

API No. 15
023-20436-00-00,

Company Rosewood Resources		Lease Bucholtz		Well Number 1-14	
County Cheyenne	Location SWNW	Section 14	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cheyenne		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 12-21-2002		Plug Back Total Depth 1504'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1508'	Perforations 1352'	To 1390'
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 / No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1390'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-6 20 08 at 4:25 (AM) (PM) Taken 5-7 20 08 at 4:40 (AM) (PM)		Well on Line: Started 5-7 20 08 at 4:40 (AM) (PM) Taken 5-8 20 08 at 3:40 (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 _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						58	72.4				
Flow						57	71.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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
						23		"

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207

(P_d)² = _____

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

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

Witness (if any)

For Commission

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JAN 29 2009

CONSERVATION DIVISION
WICHITA KS

Wayne Maden
For Company

Checked by

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SEP 18 2009

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 Bucholtz 1-14 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: *George Anderson*

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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W342
 Bucholtz 01-14
 St. Francis
 St. Francis
 Pumping Unit
 May-08

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
5/1/2008			46	24	8	16	0	20	
5/2/2008			46	24	8	16	0	21	
5/3/2008			43	21	0	0	0	0	0 pump off electrici off
5/4/2008			45	22	8	16	0	21	bucket test 5 min
5/5/2008			46	23	8	16	0	22	
5/6/2008			46	23	8	16	0	23	
5/7/2008		58	45	23	0	0	0	0	0 shut pump off 4:25 pm
5/8/2008		57	44	23	8	16	0	0	0 started pumping unit 3:40 pm
5/9/2008			46	21	8	16	0	21	
5/10/2008			45	22	8	16	0	20	
5/11/2008			47	23	8	16	0	21	
5/12/2008			46	23	8	16	0	22	
5/13/2008			46	23	8	16	0	21	bucket test 5 min
5/14/2008			48	24	8	16	0	22	
5/15/2008			54	24	8	16	0	23	
5/16/2008			47	24	8	16	0	20	
5/17/2008			48	24	8	16	0	21	
5/18/2008			47	24	8	16	0	22	
5/19/2008			47	24	8	16	0	20	
5/20/2008			47	24	8	16	0	21	bucket test 5 min greased
5/21/2008			54	24	8	16	0	20	
5/22/2008			46	24	8	16	0	21	
5/23/2008			51	24	8	16	0	20	
5/24/2008			49	24	8	16	0	19	
5/25/2008			50	24	8	16	0	20	
5/26/2008			47	24	8	16	0	21	
5/27/2008			43	24	8	16	0	22	
5/28/2008			47	24	8	16	0	21	bucket test 5 min
5/29/2008			48	24	8	16	0	22	
5/30/2008			47	24	8	16	0	20	
5/31/2008			49	24	8	16	0	20	

Total

727

587

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W342
 Bucholtz 01-14
 St. Francis
 St. Francis
 Pumping Unit
 June-08

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2008			49	24	8	16	0	21
6/2/2008			49	24	8	16	0	20
6/3/2008			48	28	8	16	0	19
6/4/2008			48	24	8	16	0	21 bucket test 5 min
6/5/2008			47	24	8	16	0	19
6/6/2008			47	23	8	16	0	20
6/7/2008			48	24	8	16	0	19
6/8/2008			48	23	8	16	0	20
6/9/2008			48	23	8	16	0	21
6/10/2008			50	23	8	16	0	20
6/11/2008			53	23	8	16	0	21 bucket test 5 min
6/12/2008			51	23	8	16	0	22
6/13/2008			54	23	8	16	0	21
6/14/2008			54	23	8	16	0	22
6/15/2008			58	23	8	16	0	20
6/16/2008			54	23	8	16	0	21
6/17/2008			52	23	8	16	0	20
6/18/2008			50	23	8	16	0	22
6/19/2008			50	23	8	16	0	21 bucket test 5 min
6/20/2008			50	23	8	16	0	22
6/21/2008			51	23	8	16	0	21
6/22/2008			52	23	8	16	0	20
6/23/2008			55	23	8	16	0	21
6/24/2008			51	23	8	16	0	22
6/25/2008			56	23	8	16	0	21 bucket test 5 min
6/26/2008			52	23	8	16	0	22
6/27/2008			52	23	8	16	0	20
6/28/2008			52	23	8	16	0	21
6/29/2008			49	23	8	16	0	19
6/30/2008			49	23	8	16	0	20
7/1/2008							0	

Total

700

619

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W342
 Bucholtz 01-14
 St. Francis
 St. Francis
 Pumping Unit
 July-08

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2008			53	23	8	16	0	20
7/2/2008			61	23	8	16	0	19 bucket test 6 min greased
7/3/2008			51	22	8	16	0	10 pump off lighting /restarted
7/4/2008			51	22	8	16	0	20
7/5/2008			66	22	8	16	0	19
7/6/2008			69	23	8	16	0	18
7/7/2008			64	23	8	16	0	19
7/8/2008			60	23	8	16	0	20
7/9/2008			55	23	8	16	0	19 bucket test 6 min
7/10/2008			58	23	8	16	0	18
7/11/2008			70	23	8	16	0	20
7/12/2008			58	23	8	16	0	19
7/13/2008			51	23	8	16	0	18
7/14/2008			81	23	8	16	11	19 PU off HFP
7/15/2008			106	20	0	0	0	0
7/16/2008			84	20	0	0	0	0 PU off HFP
7/17/2008			66	19	0	0	0	0
7/18/2008			77	18	0	0	0	0 PU off HFP
7/19/2008			47	17	8	16	0	0 started pump
7/20/2008			53	19	8	16	0	19
7/21/2008			54	20	8	16	0	20
7/22/2008			63	20	8	16	0	19 bucket test 6 min
7/23/2008			65	21	8	16	0	18
7/24/2008			64	21	8	16	0	19
7/25/2008			74	21	8	16	0	17
7/26/2008			53	22	8	16	0	20
7/27/2008			53	22	8	16	0	19
7/28/2008			60	22	8	16	0	18
7/29/2008			50	22	8	16	0	19 bucket test 6 min
7/30/2008			67	22	8	16	0	18
7/31/2008			55	22	8	12	5	19

Total

667

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