

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

SI

(See Instructions on Reverse Side)

Test Date:
9/2/2008

API No. 15
023-20429-01-00

Company Rosewood Resources			Lease Bucholtz		Well Number 2-15H
County Cheyenne	Location NESE	Section 15	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 7-9-2001		Plug Back Total Depth 2803'	Packer Set at		
Casing Size 7"	Weight 20#	Internal Diameter 6.456	Set at 1579'	Perforations 1579' MD	To 2803'MD
Tubing Size none	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Horizontal)		Type Fluid Production Dry Gas	Pump Unit or Traveling Plunger? Yes / <input checked="" type="checkbox"/> No Pumping Unit		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1579'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 9-2		20 08 at 9:12	(AM) (PM) Taken 9-3	20 08 at 10:18	(AM) (PM)
Well on Line: Started 9-3		20 08 at 10:18	(AM) (PM) Taken 9-4	20 08 at 10:12	(AM) (PM)

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						25	39.4				
Flow						55	69.4			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
						3		

(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 the 11 day of December, 20 08

Witness (if any)

For Commission

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JAN 29 2009

CONSERVATION DIVISION
WICHITA KS

Wayne Graham
For Company

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Checked by

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 2-15H 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: 12/11/08

Signature: Wayne Graham

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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W344
 Bucholtz 02-15H
 St. Francis
 St. Francis
 Pumping Unit/Gas
 September-08

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
9/1/2008			44	5			0	
9/2/2008			42	4			0	
9/3/2008			41	4			0	shut in 25 psi
9/4/2008			41	1			0	open 55
9/5/2008			46	5			0	
9/6/2008			87	2		14.5		
9/7/2008			85	0			0	
9/8/2008			42	5			0	
9/9/2008			41	5			0	
9/10/2008			43	4			0	
9/11/2008			57	2			0	
9/12/2008			78	0			0	
9/13/2008			88	0			0	
9/14/2008			40	5			0	
9/15/2008			41	5			0	
9/16/2008			41	4			0	
9/17/2008			42	3			0	
9/18/2008			39	3			0	
9/19/2008			37	3			0	
9/20/2008			37	3			0	
9/21/2008			37	3			0	
9/22/2008			36	3			0	
9/23/2008			36	3			0	
9/24/2008			38	3			0	
9/25/2008			40	3			0	
9/26/2008			40	3			0	
9/27/2008			40	2			0	
9/28/2008			40	2			0	
9/29/2008			40	2			0	
9/30/2008			40	2			0	
10/1/2008							0	0
Total				89				0

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W344
 Bucholtz 02-15H
 St. Francis
 St. Francis
 Pumping Unit/Gas
 October-08

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
10/1/2008			40	2	0	0	0 pump off
10/2/2008			40	2	0	0	0 pump off
10/3/2008			40	3	0	0	0 pump off
10/4/2008			40	2	0	0	0 pump off
10/5/2008			41	2	0	0	0 pump off
10/6/2008			40	2	0	0	0 pump off
10/7/2008			38	3	0	0	0 pump off
10/8/2008			87	0	0	14	0 pump off
10/9/2008			97	0	0	0	0 pump off
10/10/2008			42	2	0	0	0 pump off
10/11/2008			40	5	0	0	0 pump off
10/12/2008			39	3	0	0	0 pump off
10/13/2008			38	3	0	0	0 pump off
10/14/2008			38	3	0	0	0 pump off
10/15/2008			39	3	0	0	0 pump off
10/16/2008			39	3	0	0	0 pump off
10/17/2008			39	3	0	0	0 pump off
10/18/2008			38	3	0	0	0 pump off
10/19/2008			38	3	0	0	0 pump off
10/20/2008			37	3	0	0	0 pump off
10/21/2008			37	3	0	0	0 pump off
10/22/2008			37	4	0	0	0 pump off
10/23/2008			32	3	0	0	0 pump off
10/24/2008			38	3	0	0	0 pump off
10/25/2008			38	3	0	0	0 pump off
10/26/2008			39	3	0	0	0 pump off
10/27/2008			41	1	0	0	0 pump off
10/28/2008			39	3	0	0	0 pump off
10/29/2008			41	3	0	0	0 pump off
10/30/2008			41	3	0	0	0 pump off
10/31/2008			41	3	0	0	0 pump off

Total

82

0

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W344
 Bucholtz 02-15H
 St. Francis
 St. Francis
 Pumping Unit/Gas
 November-08

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
11/1/2008			41	2	0	0	0 PU OFF
11/2/2008			40	2	0	0	0 PU OFF
11/3/2008			41	2	0	0	0 PU OFF
11/4/2008			42	2	0	0	0 PU OFF
11/5/2008			40	2	0	0	0 PU OFF
11/6/2008			40	2	0	0	0 PU OFF
11/7/2008			41	3	0	0	0 PU OFF
11/8/2008			40	3	0	0	0 PU OFF
11/9/2008			39	3	0	0	0 PU OFF
11/10/2008			40	3	0	0	0 PU OFF
11/11/2008			40	2	0	0	0 PU OFF
11/12/2008			41	3	0	0	0 PU OFF
11/13/2008			47	3	0	0	0 PU OFF
11/14/2008			36	3	0	0	0 PU OFF
11/15/2008			34	3	0	0	0 PU OFF
11/16/2008			36	3	0	0	0 PU OFF
11/17/2008			36	3	0	0	0 PU OFF
11/18/2008			36	3	0	0	0 PU OFF
11/19/2008			36	2	0	0	0 PU OFF
11/20/2008			36	2	0	0	0 PU OFF
11/21/2008			36	2	0	0	0 PU OFF
11/22/2008			35	2	0	0	0 PU OFF
11/23/2008			36	2	0	0	0 PU OFF
11/24/2008			39	3	0	0	0 PU OFF
11/25/2008			35	0	0	0	0 PU OFF
11/26/2008			36	0	0	0	0 PU OFF
11/27/2008			39	2	0	0	0 PU OFF
11/28/2008			40	0	0	0	0 PU OFF
11/29/2008			40	0	0	0	0 PU OFF
11/30/2008			42	0	0	0	0 PU OFF
12/1/2008							

Total

62

0

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