

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/19/2009

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? <input checked="" type="checkbox"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1579'		Pressure Taps Flange		Gas Gravity - G _g .6	
				(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-18 20 09 at 10:55 (AM) (PM)		Taken 8-19 20 09 at 11:05 (AM) (PM)			
Well on Line: Started 8-19 20 09 at 11:05 (AM) (PM)		Taken 8-20 20 09 at 11:55 (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 _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						120	134.4				
Flow						180	194.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _v) 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_o)² = 0.207
(P_d)² =

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

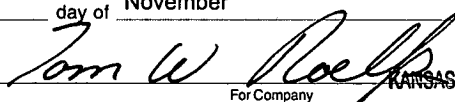
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\left[\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2} \right]$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\right]$	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 20 day of November, 20 09.

Witness (if any)

For Commission


For Company

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Checked by

NOV 30 2009

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.

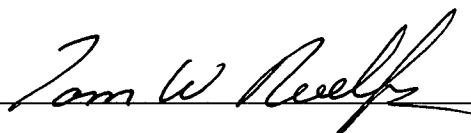
I hereby request a one-year exemption from open flow testing for the Bucholtz 2-15H gas well on the grounds that said well:

(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: 11/20/09

Signature: 
Title: Production Foreman

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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CONSERVATION DIVISION
WICHITA, KS

W344
 Bucholtz 02-15H
 St. Francis
 St. Francis
 Pumping Unit/Gas
 August-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLIDOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2009			58	7			0	
8/2/2009			58	9			0	
8/3/2009			40	6			0	
8/4/2009			58	11			0	
8/5/2009			58	9			0	
8/6/2009			44	7			0	
8/7/2009			46	8			0	
8/8/2009			45	8			0	
8/9/2009			44	8			0	
8/10/2009			44	7			0	
8/11/2009			42	2			0	
8/12/2009			39	10			0	
8/13/2009			40	9			0	
8/14/2009			42	7			0	
8/15/2009			42	7			0	
8/16/2009			58	8			0	
8/17/2009			117	0			0	
8/18/2009			118	0			0	
8/19/2009		120	118	0			0	shut in for test
8/20/2009		180	124	0			0	
8/21/2009			80	3			0	
8/22/2009			26	3			0	
8/23/2009			55	0			0	
8/24/2009			62	2			0	
8/25/2009			77	0			0	
8/26/2009			43	3			0	
8/27/2009			43	7			0	
8/28/2009			43	5			0	
8/29/2009			43	5			0	
8/30/2009			58	1			0	
8/31/2009			44	6			0	0

Total

158

0

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CONSERVATION DIVISION
 WICHITA, KS

W344
 Bucholtz 02-15H
 St. Francis
 St. Francis
 Pumping Unit/Gas
 September-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs
9/1/2009			50		2			0
9/2/2009			61		2			0
9/3/2009			52		2			0
9/4/2009			56		3			6
9/5/2009			52		3			0
9/6/2009			51		3			0
9/7/2009			51		3			0
9/8/2009			51		3			0
9/9/2009			51		3			0
9/10/2009			58		3			0
9/11/2009			55		3			0
9/12/2009			53		3			0
9/13/2009			51		3			0
9/14/2009			51		3			0
9/15/2009			46		3			0
9/16/2009			47		3			0
9/17/2009			47		3			0
9/18/2009			46		3			0
9/19/2009			46		3			0
9/20/2009			54		3			0
9/21/2009			47		3			0
9/22/2009			46		3			0
9/23/2009			46		3			0
9/24/2009			46		3			0
9/25/2009			47		3			0
9/26/2009			47		3			0
9/27/2009			47		3			0
9/28/2009			47		3			0
9/29/2009			47		3			0
9/30/2009			46		2			0
10/1/2009								0
Total				86				0

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