

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

Test Date: 10-4-04

API No. 15 - 023 20429-01-00

Company <u>Rosewood Resources, Inc.</u>		Lease <u>Bucholtz Gas Unit</u>		Well Number <u>2-15H</u>	
County <u>Cheyenne</u>	Location <u>SE-NE-SE</u>	Section <u>15</u>	TWP <u>3S</u>	RNG (E/W) <u>41W</u>	Acres Attributed <u>640</u>
Field <u>Cherry Creek</u>		Reservoir <u>Niobrara</u>		Gas Gathering Connection	
Completion Date <u>7-9-2001</u>		Plug Back Total Depth		Packer Set at <u>none</u>	
Casing Size <u>7"</u>	Weight <u>20 #</u>	Internal Diameter <u>6.456"</u>	Set at <u>1300'TVD/1579'MD</u>	Perforations <u>Open Hole</u>	To <u>1300-1309 TVD</u> <u>1579'-2803' MD</u>
Tubing Size <u>2-3/8"</u>	Weight <u>4.6</u>	Internal Diameter <u>1.995</u>	Set at <u>1025 TVD</u>	Perforations	To
Type Completion (Describe) <u>Artificial Lift</u>		Type Fluid Production <u>Gas + water</u>		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No	
Producing Thru <u>Annulus</u> / Tubing)		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) <u>1309' TVD, 2803 MD</u>		Pressure Taps		Gas Gravity - G _g <u>0.6</u> (Meter Run) (Prover) Size	
Pressure Buildup: Shut in <u>8-26</u> 20 <u>04</u> at <u>6:00</u> <input checked="" type="checkbox"/> (AM) (PM) Taken <u>10-4</u> 20 <u>04</u> at <u>8:00</u> <input checked="" type="checkbox"/> (AM) (PM)					
Well on Line: Started <u>80-4</u> 20 <u>04</u> at <u>8:00</u> <input checked="" type="checkbox"/> (AM) (PM) Taken <u>10-6</u> 20 <u>04</u> at <u>8:00</u> <input checked="" type="checkbox"/> (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in 962 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) <u>wtr</u>
						psig	psia	psig	psia		
Shut-In						<u>125</u>	<u>139.4</u>				
Flow											<u>6</u>

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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						<u>10</u>		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _o) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _o ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- or----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow Mcf/d @ 14.65 psia Deliverability Mcf/d @ 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 _____ day of _____, 20_____.

Witness (if any)

For Company

For Commission

Checked by

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 _____ 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.

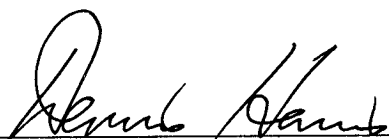
I hereby request a one-year exemption from open flow testing for the _____ gas well on the grounds that said well:

(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.

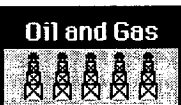
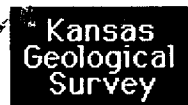
Date: 1-6-05

Signature: 
 Title: Reservoir Engr.

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.



Yearly and monthly production



BUCHOLTZ 2-15 Lease

Operator: Rosewood Resources, Inc.
Location: T3S, R41W, Sec. 15
KS Dept. of Revenue Lease Code: 223685
Field: Cherry Creek Niobrara Gas Area
Producing Zone:

Well Data:

T3S R41W, Sec. 15, S2 SE NE SE

Lease: Bucholtz Gas Unit 2-15H
Operator: Breck Operating Corp.

15-023-20429-0100

Annual Gas Production, (mcf)

Year	Production	Wells
Production Charts Simple JPEG chart Java-based Chart		
2001	367	1
2002	3,038	1
2003	4,389	1
2004	982	1

*2004 data incomplete at this time.
 Data from previous years may still change.

Sample Monthly Gas Production, (mcf)

Year	Month	Production	Wells	Purchaser
2001	9	167	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2001	10	200	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	3	235	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	4	461	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	6	293	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	7	444	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	8	341	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	9	341	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	10	283	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	11	228	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2002	12	412	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	1	442	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	2	384	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	3	389	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)

2003	4	430	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	5	376	1	
2003	6	309	1	
2003	7	428	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	8	407	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	9	404	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	10	350	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	11	327	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2003	12	143	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2004	1	188	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2004	2	190	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2004	3	101	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2004	4	114	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2004	5	128	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2004	6	122	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)
2004	7	139	1	WILLIAMS ENERGY MARKETING & TRADING CO (100%)

ansas Geological Survey
 omments to webadmin@kgs.ku.edu
 RL=<http://www.kgs.ku.edu/Magellan/Field/lease.html>
 ograms Updated Nov. 10, 2004
 ata from Kansas Dept. of Revenue files quarterly.

RECEIVED
JAN 12 2005
KCC WICHITA

January 6, 2005

Mr. Jim Hemmen, Research Analyst
Kansas Corporation Commission
Oil & Gas Conservation Division
130 S. Market, Room 2078
Wichita, Kansas 67202-3802

direct: 316.337.6224
Voice: 316.337.6200
Fax: 316.337.6211
Email: www.kcc.state.ks.us

Re: Bucholtz Gas Unit 2-15H G-2 Exempt
Cherry Creek Field
Cheyenne County, Kansas

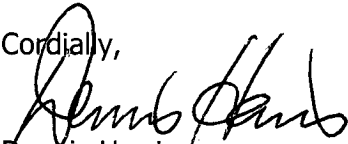
Enclosed you will find the 2004 G-2 Exempt form with the supporting data for this well plus the corroborating KCC letter referencing this deficiency. This information should now bring us into compliance **with KAR 82-3-303** and **KAR 82-3-304** in the **GR&R for the Conservation of Crude Oil and Natural Gas**.

Rosewood Resources Inc. took over ownership of the Bucholtz Gas Unit properties from Petroleum Inc., Wichita KS, on 4-1-2002 and a T-1 "Change of Operator" form is on file. Your noncompliance letter does not indicate what years are in violation but I have submitted filings since transfer of ownership. Darcy flow for a horizontal well puts the theoretical max flow at 91 mcf/d but history has shown the well to be acting more like a vertical well with a darcy flow rate of 13 mcf/d. This is probably due to low permeability, proximity to the water contact, capillary forces and a mechanical well bore dip in the lateral path. The well has never exceeded 100 mcf/d in its history.

The Buckholtz 2-15 produces about 5-6 bwpd and is dewatered by a SpeedKing 114-64" pumping unit at 5 spm powered by a gas engine. A 1.25" insert pump is in the well and pumps for only a few hours per day. A Fluid level on 12-13-04 was taken and recorded at 992 ft MD (982 ft TVD). Feet of fluid over the pump seated at 1025 ft MD(1010 ft TVD) is about 40 feet.

Please call me at 214-756-6621 if you have any questions about this paperwork.

Cordially,


Dennis Harris
Reservoir Engineer

Rosewood Resources, Inc.
Cityplace Center East
2711 N. Haskell Ave.
Suite 2800, LB #22
Dallas, Texas 75204-2944
214 756 6600
214 756 6666 (Fax)

Actual					
BUCHOLTZ 2-15H					
	Gas	Csg Press	Tbg Press	Line Press	Hrs
08/01/04	12	40.0		53.0	24.0
08/02/04	13	40.0		53.0	24.0
08/03/04	13	40.0		53.0	24.0
08/04/04	13	40.0		53.0	24.0
08/05/04	13	42.0		55.0	24.0
08/06/04	13	42.0		55.0	24.0
08/07/04	13	42.0		55.0	24.0
08/08/04	13	42.0		55.0	24.0
08/09/04	13	42.0		55.0	24.0
08/10/04	12	42.0		55.0	24.0
08/11/04	10	60.0		73.0	14.0
08/12/04	15	48.0		61.0	24.0
08/13/04	12	52.0		65.0	24.0
08/14/04	12	52.0		65.0	24.0
08/15/04	15	52.0		65.0	24.0
08/16/04	15	52.0		65.0	24.0
08/17/04	14	52.0		65.0	24.0
08/18/04	15	52.0		65.0	24.0
08/19/04	14	52.0		65.0	24.0
08/20/04	15	50.0		63.0	24.0
08/21/04	15	50.0		63.0	24.0
08/22/04	15	47.0		60.0	24.0
08/23/04	14	47.0		60.0	24.0
08/24/04	14	47.0		60.0	24.0
08/25/04	14	47.0		60.0	24.0
08/26/04	0			13.0	0.0 SI to bleed LP
08/27/04	0			13.0	0.0 and prep for work
08/28/04	0			13.0	0.0
08/29/04	0			13.0	0.0
08/30/04	0			13.0	0.0
08/31/04	0			13.0	0.0
09/01/04	0			13.0	0.0
09/02/04	0			13.0	0.0
09/03/04	0			13.0	0.0
09/04/04	0			13.0	0.0
09/05/04	0			13.0	0.0
09/06/04	0			13.0	0.0
09/07/04	0			13.0	0.0
09/08/04	0			13.0	0.0
09/09/04	0			13.0	0.0
09/10/04	0			13.0	0.0
09/11/04	0			13.0	0.0
09/12/04	0			13.0	0.0
09/13/04	0			13.0	0.0
09/14/04	0			13.0	0.0
09/15/04	0			13.0	0.0
09/16/04	0			13.0	0.0
09/17/04	0			13.0	0.0
09/18/04	0			13.0	0.0
09/19/04	0			13.0	0.0
09/20/04	0			13.0	0.0
09/21/04	0			13.0	0.0

Actual					
BUCHOLTZ 2-15H					
Gas	Csg Press	Tbg Press	Line Press	Hrs	
09/22/04	0		13.0	0.0	
09/23/04	0		13.0	0.0	
09/24/04	0		13.0	0.0	
09/25/04	0		13.0	0.0	
09/26/04	0		13.0	0.0	
09/27/04	0		13.0	0.0	
09/28/04	0		13.0	0.0	
09/29/04	0		13.0	0.0	
09/30/04	0		13.0	0.0	
10/01/04	0		13.0	0.0	
10/02/04	0		13.0	0.0	
10/03/04	0		13.0	0.0	
10/04/04	0	125.0	13.0	0.0	
10/05/04	5	125.0	138.0	12.0	
10/06/04	10	120.0	133.0	24.0	
10/07/04	9	120.0	133.0	24.0	
10/08/04	9	120.0	133.0	24.0	
10/09/04	8	115.0	128.0	24.0	
10/10/04	8	115.0	128.0	24.0	
10/11/04	10	100.0	113.0	24.0	
10/12/04	11	100.0	113.0	24.0	
10/13/04	10	100.0	113.0	24.0	
10/14/04	10	100.0	113.0	24.0	
10/15/04	5	90.0	103.0	24.0	
10/16/04	7	90.0	103.0	24.0	
10/17/04	7	90.0	103.0	24.0	
10/18/04	7	90.0	103.0	24.0	
10/19/04	5	90.0	103.0	24.0	
10/20/04	5	90.0	103.0	24.0	
10/21/04	4	85.0	98.0	24.0	
10/22/04	2	85.0	98.0	24.0	
10/23/04	2	85.0	98.0	24.0	
10/24/04	3	85.0	98.0	24.0	
10/25/04	3	85.0	98.0	24.0	
10/26/04	3	80.0	93.0	24.0	
10/27/04	1	80.0	93.0	24.0	
10/28/04	1	80.0	93.0	24.0	
10/29/04	2	80.0	93.0	24.0	
10/30/04	2	80.0	93.0	24.0	
10/31/04	2	80.0	93.0	24.0	
11/01/04	5	70.0		24.0	
11/02/04	5	70.0		24.0	
11/03/04	5	63.0		24.0	
11/04/04	5	63.0		24.0	
11/05/04	5	64.0		24.0	
11/06/04	5	64.0		24.0	
11/07/04	5	64.0		24.0	
11/08/04	4	82.0		24.0	
11/09/04	4	82.0		24.0	
11/10/04	5	64.0		24.0	
11/11/04	5	60.0		24.0	
11/12/04	5	55.0		24.0	

Actual				
BUCHOLTZ 2-15H				
Gas	Csg Press	Tbg Press	Line Press	Hrs
11/13/04	5	45.0		24.0
11/14/04	7	45.0		24.0
11/15/04	7	45.0		24.0
11/16/04	8	45.0		24.0
11/17/04	7	44.0		24.0
11/18/04	8	44.0		24.0
11/19/04	8	44.0		24.0
11/20/04	8	42.0		24.0
11/21/04	8	42.0		24.0
11/22/04	3	75.0		8.0
11/23/04	0	80.0		0.0
11/24/04	0	80.0		0.0
11/25/04	2	65.0		24.0
11/26/04	5	65.0		24.0
11/27/04	7	50.0		24.0
11/28/04	8	45.0		24.0
11/29/04	0			
11/30/04	0			
12/01/04	9	51.0		24.0
12/02/04	9	50.0		24.0
12/03/04	9	50.0		24.0
12/04/04	9	49.0		24.0
12/05/04	9	49.0		24.0
12/06/04	10	44.0		24.0
12/07/04	10	44.0		24.0
12/08/04	10	44.0		24.0
12/09/04	8	48.0		24.0
12/10/04	8	48.0		24.0
12/11/04	9	48.0		24.0
12/12/04	10	47.0		24.0
12/13/04	10	47.0		24.0
12/14/04	10	45.0		24.0
12/15/04	10	45.0		24.0
12/16/04	9	46.0		24.0
12/17/04	9	47.0		24.0
12/18/04	9	48.0		24.0
12/19/04	10	48.0		24.0
12/20/04	10	48.0		24.0
12/21/04	10	49.0		24.0
12/22/04	10	48.0		24.0
12/23/04	10	48.0		24.0
12/24/04	10	48.0		24.0
12/25/04	9	46.0		24.0
12/26/04	9	46.0		24.0
12/27/04	9	46.0		24.0
12/28/04	9	46.0		24.0
12/29/04	9	46.0		24.0
12/30/04	9	46.0		24.0
12/31/04	9	46.0		24.0