

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow 24hr SI
 Deliverability

(See Instructions on Reverse Side)

Test Date: 9-16-04 API No. 15-023-20591-0000

Company <u>Rosewood Resources</u>		Lease <u>Dunn</u>		Well Number <u>1-13</u>	
County <u>Cheyenne</u>	Location <u>NE-SW</u>	Section <u>13</u>	TWP <u>3S</u>	RNG (E/W) <u>41 W</u>	Acres Attributed <u>RECEIVED</u>
Field <u>Cherry Creek</u>		Reservoir <u>Niobrara</u>		Gas Gathering Connection <u>B. S. I. JAN 24 2005</u>	
Completion Date <u>9-3-04</u>		Plug Back Total Depth <u>1477</u>		Packer Set at <u>KCC WICHITA</u>	
Casing Size <u>4.5"</u>	Weight <u>10.5</u>	Internal Diameter <u>4.052"</u>	Set at <u>1487</u>	Perforations <u>1300</u>	To <u>1336</u>
Tubing Size <u>N/A</u>	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe) <u>SINGLE (Vertical)</u>		Type Fluid Production <u>Gas</u>	Pump Unit or Traveling Plunger? <u>Flowing</u>	Yes / No <u>(No)</u>
Producing Thru (Annulus / Tubing) <u>Annulus</u>		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g <u>0.64</u>
Vertical Depth (H) <u>1520 1336</u>		Pressure Taps <u>FLANGE</u>	(Meter Run) (Prover) Size <u>(2")</u>	
Pressure Buildup: Shut in	<u>9/14</u>	20 <u>04</u> at	<u>11:00</u>	<u>(AM)</u> (PM) Taken <u>9/16</u>
				20 <u>04</u> at <u>21</u> <u>(AM)</u> (PM)
Well on Line: Started	<u>9/16</u>	20 <u>04</u> at	<u>11</u>	<u>(AM)</u> (PM) Taken <u>9/18</u>
				20 <u>04</u> at <u>7</u> <u>(AM)</u> (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 48 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 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						<u>270</u>	<u>284.4</u>				
Flow						<u>242</u>	<u>256.4</u>			<u>48</u>	<u>trace</u>

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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
						<u>89</u>		

(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 _a) ² = 0.207	(P _d) ² = _____		
(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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2} \right]$	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 14 day of January, 20 05.

Witness (if any)

[Signature]

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 Rosewood Resources 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 June 1-13 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: 1/14/05

Signature: Dennis Harris
Title: Reservoir Eng.

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.

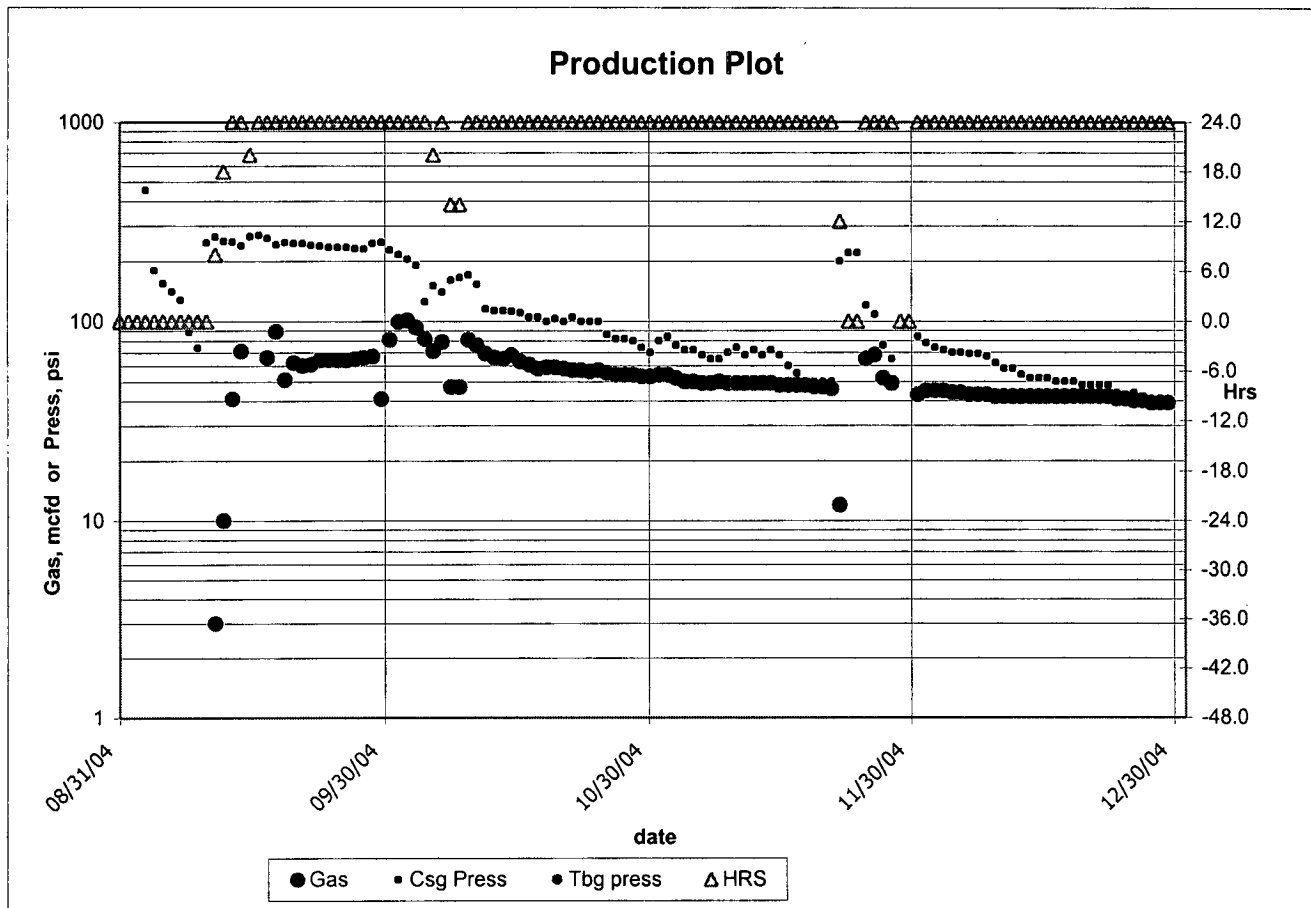
At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner 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.

Actual
DUNN 01-13

	Gas	Csg Press	Tbg Press	Line Press	Hrs	Remarks
2004/01	null	null	null	null	null	null
2004/02	null	null	null	null	null	null
2004/03	null	null	null	null	null	null
2004/04	null	null	null	null	null	null
2004/05	null	null	null	null	null	null
2004/06	null	null	null	null	null	null
2004/07	null	null	null	null	null	null
2004/08	null	null	null	null	null	null
2004/09	1009	246.0	null	null	22.7	null
2004/10	2033	124.3	null	null	23.2	null
2004/11	1280	85.6	null	null	23.5	null
2004/12	1301	55.4	null	null	24.0	null
TOTAL	5623	127.9			23.4	

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Actual
DUNN 01-13

	Gas Csg	Press	Tbg	Press	Line	Press	Hrs	Remarks
10/16/2004	63	110.0	null	null	null	null	24.0	
10/17/2004	61	105.0	null	null	null	null	24.0	
10/18/2004	58	105.0	null	null	null	null	24.0	
10/19/2004	59	100.0	null	null	null	null	24.0	
10/20/2004	59	103.0	null	null	null	null	24.0	
10/21/2004	58	100.0	null	null	null	null	24.0	
10/22/2004	57	105.0	null	null	null	null	24.0	
10/23/2004	57	100.0	null	null	null	null	24.0	
10/24/2004	56	100.0	null	null	null	null	24.0	
10/25/2004	57	100.0	null	null	null	null	24.0	
10/26/2004	55	86.0	null	null	null	null	24.0	
10/27/2004	54	82.0	null	null	null	null	24.0	
10/28/2004	54	82.0	null	null	null	null	24.0	
10/29/2004	54	80.0	null	null	null	null	24.0	
10/30/2004	53	74.0	null	null	null	null	24.0	
10/31/2004	53	70.0	null	null	null	null	24.0	
11/01/2004	54	80.0	null	null	null	null	24.0	
11/02/2004	54	84.0	null	null	null	null	24.0	
11/03/2004	52	76.0	null	null	null	null	24.0	
11/04/2004	50	72.0	null	null	null	null	24.0	
11/05/2004	50	72.0	null	null	null	null	24.0	
11/06/2004	49	68.0	null	null	null	null	24.0	
11/07/2004	49	65.0	null	null	null	null	24.0	
11/08/2004	50	65.0	null	null	null	null	24.0	
11/09/2004	49	70.0	null	null	null	null	24.0	
11/10/2004	49	74.0	null	null	null	null	24.0	
11/11/2004	49	68.0	null	null	null	null	24.0	
11/12/2004	49	72.0	null	null	null	null	24.0	
11/13/2004	49	68.0	null	null	null	null	24.0	
11/14/2004	49	72.0	null	null	null	null	24.0	
11/15/2004	48	68.0	null	null	null	null	24.0	
11/16/2004	48	60.0	null	null	null	null	24.0	
11/17/2004	48	55.0	null	null	null	null	24.0	
11/18/2004	48	50.0	null	null	null	null	24.0	
11/19/2004	47	50.0	null	null	null	null	24.0	
11/20/2004	47	50.0	null	null	null	null	24.0	
11/21/2004	46	50.0	null	null	null	null	24.0	
11/22/2004	12	200.0	null	null	null	null	12.0	
11/23/2004	0	220.0	null	null	null	null	0.0	SI 36 hr
11/24/2004	0	220.0	null	null	null	null	0.0	SI 60 hr
11/25/2004	65	120.0	null	null	null	null	24.0	
11/26/2004	68	108.0	null	null	null	null	24.0	
11/27/2004	52	76.0	null	null	null	null	24.0	
11/28/2004	49	65.0	null	null	null	null	24.0	
11/29/2004	null	null	null	null	null	null	null	SI

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