Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: *(See Instructions on Reverse Side)*

☐ Open Flow
☐ Deliverabilty

Test Date: 9-28-04 API No. 15 – 181-20346-0000

Company	Lease	Well Number
Rose wood Resources	BOWMAN	2-8

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
SHERMAN	NE-SE	8	7S	39 W	80

Field	Reservoir	Gas Gathering Connection
Goodland	NIOBRARA	Branch Systems Inc

Completion Date	Plug Back Total Depth	Packer Set at
7-21-04	1190	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.5	10.5	4.052	1199	984	1014

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes (No)
Single (Vertical)	dry Gas	Flowing

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
Annulus			0.64

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
1014	Flange	2"

Pressure Buildup: Shut in 7-23 20 04 at 7 (AM) (PM) Taken 9-28 20 04 at 7 (AM) (PM)

Well on Line: Started 9-28 20 04 at 7 (AM) (PM) Taken 9-30 20 04 at 7 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 1416 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						64	78.4				
Flow						57	73.4			24	

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FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	Gravity Factor F_g	Flowing Temperature Factor F_{ft}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
						22		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = _____ : $(P_w)^2$ = _____ : 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: $P_c^2 - P_w^2$	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 14 day of January, 20 05.

Witness (if any)

Dennis Hamm
For Company

For Commission

Checked by

Form G-2
(Rev. 7/03)

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 Bowman 2-8 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 Hamm

Title: Reserve Engr.

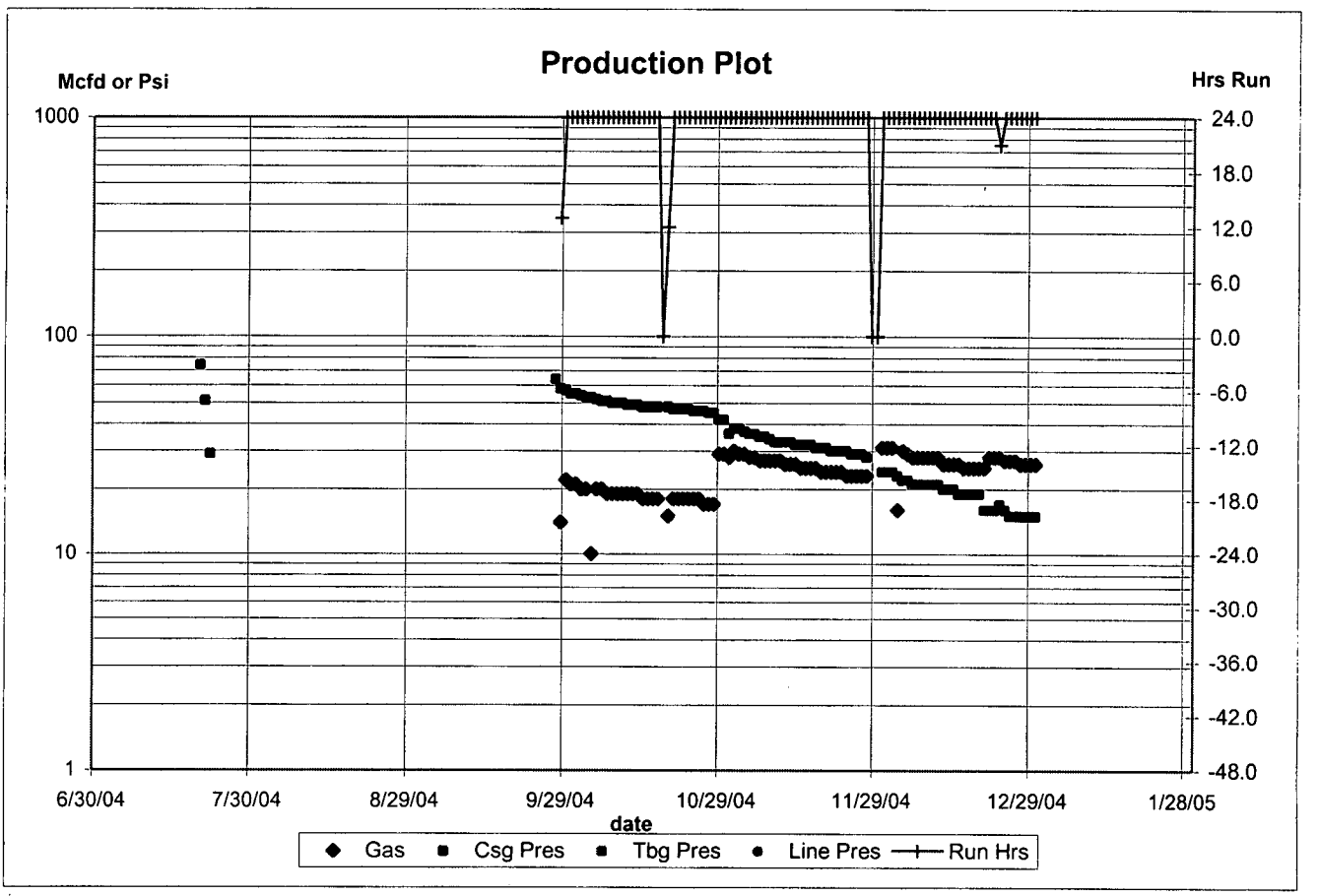
Instructions: If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

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.

Actual
BOWMAN 02-08

	Gas	Csg Press	Tbg Press	Line Press	Hrs	Remarks
2004/01						
2004/02						
2004/03						
2004/04						
2004/05						
2004/06	null	null	null	null	null	Spud & TD
2004/07	0	null	null	null	0.0	Frac
2004/08	0	null	null	null	0.0	SI & WOPL
2004/09	36	59.7	null	null	18.5	G-2 & 1st Sales
2004/10	569	48.7	null	null	23.6	
2004/11	720	32.6	null	null	24.0	
2004/12	834	19.1	null	null	23.9	
TOTAL	**2159**	**40.0**			**22.5**	



Actual

BOWMAN 02-08

	Gas	Csg Press	Tbg Press	Line Press	Hrs	Remarks
10/30/2004	29	42	null	null	24.0	
10/31/2004	29	42	null	null	24.0	
11/01/2004	28	36	null	null	24.0	
11/02/2004	30	38	null	null	24.0	
11/03/2004	29	38	null	null	24.0	
11/04/2004	29	37	null	null	24.0	
11/05/2004	28	36	null	null	24.0	
11/06/2004	28	36	null	null	24.0	
11/07/2004	27	35	null	null	24.0	
11/08/2004	27	35	null	null	24.0	
11/09/2004	27	34	null	null	24.0	
11/10/2004	27	33	null	null	24.0	
11/11/2004	27	33	null	null	24.0	
11/12/2004	26	33	null	null	24.0	
11/13/2004	26	33	null	null	24.0	
11/14/2004	26	32	null	null	24.0	
11/15/2004	25	32	null	null	24.0	
11/16/2004	25	32	null	null	24.0	
11/17/2004	25	32	null	null	24.0	
11/18/2004	25	31	null	null	24.0	
11/19/2004	24	31	null	null	24.0	
11/20/2004	24	31	null	null	24.0	
11/21/2004	24	30	null	null	24.0	
11/22/2004	24	30	null	null	24.0	
11/23/2004	24	30	null	null	24.0	
11/24/2004	23	30	null	null	24.0	
11/25/2004	23	29	null	null	24.0	
11/26/2004	23	29	null	null	24.0	
11/27/2004	23	29	null	null	24.0	
11/28/2004	23	28	null	null	24.0	
11/29/2004	null	null	null	null	null	SI
11/30/2004	null	null	null	null	null	SI
12/01/2004	31	24	null	null	24.0	
12/02/2004	31	24	null	null	24.0	
12/03/2004	31	24	null	null	24.0	
12/04/2004	16	23	null	null	24.0	
12/05/2004	30	22	null	null	24.0	
12/06/2004	29	22	null	null	24.0	
12/07/2004	28	21	null	null	24.0	
12/08/2004	28	21	null	null	24.0	
12/09/2004	28	21	null	null	24.0	
12/10/2004	28	21	null	null	24.0	
12/11/2004	28	21	null	null	24.0	
12/12/2004	28	21	null	null	24.0	
12/13/2004	26	20	null	null	24.0	
12/14/2004	26	20	null	null	24.0	
12/15/2004	26	20	null	null	24.0	
12/16/2004	26	19	null	null	24.0	
12/17/2004	25	19	null	null	24.0	
12/18/2004	25	19	null	null	24.0	
12/19/2004	25	19	null	null	24.0	
12/20/2004	25	19	null	null	24.0	
12/21/2004	25	16	null	null	24.0	
12/22/2004	28	16	null	null	24.0	
12/23/2004	28	16	null	null	24.0	
12/24/2004	28	17	null	null	21.0	
12/25/2004	27	16	null	null	24.0	
12/26/2004	27	15	null	null	24.0	
12/27/2004	27	15	null	null	24.0	
12/28/2004	26	15	null	null	24.0	
12/29/2004	26	15	null	null	24.0	
12/30/2004	26	15	null	null	24.0	
12/31/2004	26	15	null	null	24.0	
2004	2159	40	null	null	22.5	

Actual

BOWMAN 02-08

	Gas	Csg Press	Tbg Press	Line Press	Hrs	Remarks
06/21/2004	null	null	null	null		Spud 4:15pm Set Surf Csg 366 & WOC
06/22/2004	null	null	null	null		TD 1205 set 4.5" 10.5# Prd Csg @ 1199
06/23/2004	null	null	null	null		WOC. RR. RDMO. & WOCU
06/24/2004	null	null	null	null		WOCU
06/25/2004	null	null	null	null		WOCU
06/26/2004	null	null	null	null		WOCU
06/27/2004	null	null	null	null		WOCU
06/28/2004	null	null	null	null		WOCU
06/29/2004	null	null	null	null		WOCU
06/30/2004	null	null	null	null		WOCU
07/01/2004	0	null	null	null		WOCU
07/02/2004	0	null	null	null		WOCU
07/03/2004	0	null	null	null		WOCU
07/04/2004	0	null	null	null		WOCU
07/05/2004	0	null	null	null		WOCU
07/06/2004	0	null	null	null		WOCU
07/07/2004	0	null	null	null		WOCU
07/08/2004	0	null	null	null		WOCU
07/09/2004	0	null	null	null		WOCU
07/10/2004	0	null	null	null		WOCU
07/11/2004	0	null	null	null		WOCU
07/12/2004	0	null	null	null		WOCU
07/13/2004	0	null	null	null		WOCU
07/14/2004	0	null	null	null		WOCU
07/15/2004	0	null	null	null		WOCU
07/16/2004	0	null	null	null		TOC PBTD 1190 Perf 984-1014 spf 2
07/17/2004	0	null	null	null		SI WOFU
07/18/2004	0	null	null	null		SI WOFU
07/19/2004	0	null	null	null		SI WOFU
07/20/2004	0	null	null	null		SI WOFU
07/21/2004	0	74	null	null		N2FRAC 100k# SICP 2.5 hr & Flo to Pit 18/64"
07/22/2004	0	51	null	null		FCP on 18/64 Chk. No Fluid
07/23/2004	0	29	null	null		FCP. Dry Gas & Shut in
07/24/2004	0	null	null	null		WOPL, SI hrs: 24
07/25/2004	0	null	null	null		WOPL, SI hrs: 48
07/26/2004	0	null	null	null		WOPL, SI hrs: 72
07/27/2004	0	null	null	null		WOPL, SI hrs: 96
07/28/2004	0	null	null	null		WOPL, SI hrs: 120
07/29/2004	0	null	null	null		WOPL, SI hrs: 144
07/30/2004	0	null	null	null		WOPL, SI hrs: 168
07/31/2004	0	null	null	null		WOPL, SI hrs: 192
08/31/2004	0	null	null	null		WOPL, SI hrs: 936
09/20/2004	0	null	null	null		WOPL, SI hrs: 1416
09/21/2004	0	null	null	null		WOPL, SI hrs: 1440
09/22/2004	0	null	null	null		WOPL, SI hrs: 1464
09/23/2004	0	null	null	null		WOPL, SI hrs: 1488
09/24/2004	0	null	null	null		WOPL, SI hrs: 1512
09/25/2004	0	null	null	null		WOPL, SI hrs: 1536
09/26/2004	0	null	null	null		WOPL, SI hrs: 1560
09/27/2004	0	null	null	null		WOPL, SI hrs: 1584
09/28/2004	0	64	null	null		**SI 1416 hrs. G-2 taken. Put on line**
09/29/2004	14	58	null	null	13.0	
09/30/2004	22	57	null	null	24.0	
10/01/2004	21	55	null	null	24.0	
10/02/2004	21	55	null	null	24.0	
10/03/2004	20	54	null	null	24.0	
10/04/2004	20	53	null	null	24.0	
10/05/2004	10	53	null	null	24.0	
10/06/2004	20	52	null	null	24.0	
10/07/2004	20	51	null	null	24.0	
10/08/2004	19	51	null	null	24.0	
10/09/2004	19	50	null	null	24.0	
10/10/2004	19	50	null	null	24.0	
10/11/2004	19	50	null	null	24.0	
10/12/2004	19	49	null	null	24.0	
10/13/2004	19	49	null	null	24.0	
10/14/2004	19	49	null	null	24.0	
10/15/2004	18	48	null	null	24.0	
10/16/2004	18	48	null	null	24.0	
10/17/2004	18	48	null	null	24.0	
10/18/2004	18	48	null	null	24.0	
10/19/2004	0	null	null	null	0.0	SI
10/20/2004	15	48	null	null	12.0	
10/21/2004	18	47	null	null	24.0	
10/22/2004	18	47	null	null	24.0	
10/23/2004	18	47	null	null	24.0	
10/24/2004	18	47	null	null	24.0	
10/25/2004	18	46	null	null	24.0	
10/26/2004	18	46	null	null	24.0	
10/27/2004	17	46	null	null	24.0	
10/28/2004	17	45	null	null	24.0	
10/29/2004	17	45	null	null	24.0	