

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **AST**
 Deliverability

Test Date:
2/4/2010

API No. 15
181-20489-01-00

Company: Rosewood Resources, Inc. Lease: Bowman Well Number: 14-08H

County: Sherman Location: SWSW Section: 8 TWP: 7S RNG (E/W): 39W Acres Attributed: 80

Field: Goodland Reservoir: Niobrara Gas Gathering Connection: Branch Systems Inc.

Completion Date: 2/19/2007 Plug Back Total Depth: 3158' Packer Set at:

Casing Size: 4 1/2" Weight: 10.5# Internal Diameter: 4.000 Set at: 3122' Perforations: 3130' To: 3145'

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 No

Producing Thru (Annulus / Tubing): Annulus % Carbon Dioxide: % Nitrogen: Gas Gravity - G_g: .6

Vertical Depth(H): 3467' Pressure Taps: Flange (Meter Run) (Prover) Size: 2"

Pressure Buildup: Shut In 2-3 20 10 at 5:10 (AM) (PM) Taken 2-4 20 10 at 5:30 (AM) (PM)

Well on Line: Started 2-4 20 10 at 5:30 (AM) (PM) Taken 2-5 20 10 at 6:10 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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 ₁) or (P ₂)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						47	61.4				
Flow						28	42.4			72	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _p) Mctd	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 (Mctd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						66		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = : (P_w)² = : P_g = % (P_c - 14.4) + 14.4 = : (P_g)² = 0.207
(P_g)² =

(P _c) ² - (P _o) ² or (P _c) ² - (P _g) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _o ² - P _g ² 2. P _o ² - P _w ² divided by: P _o ² - P _w ²	LOG of formula 1. or 2. and divide by: P _o ² - P _w ²	Backpressure Curve Slope = "n" Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)

Open Flow Mctd @ 14.65 psia Deliverability Mctd @ 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 16 day of December 20 10

Witness (if any)

For Commission

Dannell Gervel
For Company

For Company

Checked by

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JAN 26 2011

CONSERVATION DIVISION
WICHITA, KS

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.

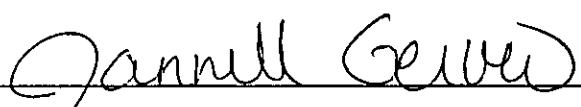
I hereby request a one-year exemption from open flow testing for the Bowman 14-08H gas well on the grounds that said well:

(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: 12/16/10

Signature: 
Title: Production Assistant

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

W2393
 Bowman 14-08H
 North Goodland
 Goodland
 None
 February-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
2/1/2010	22	35	85	0	cd
2/2/2010	28	41	25	22	
2/3/2010	47	60	0	24	
2/4/2010	48	61	0	24	
2/5/2010	28	41	78	0	
2/6/2010	23	36	86	1.5	
2/7/2010	21	34	84	1	
2/8/2010	21	34	83	0	
2/9/2010	22	35	69	18	
2/10/2010	28	41	18	24	
2/11/2010	47	60	0	24	bp
2/12/2010	31	44	19	15	
2/13/2010	40	53	1	24	
2/14/2010	32	45	24	12	
2/15/2010	29	42	24	18	
2/16/2010	30	43	30	8	
2/17/2010	27	40	45	8	
2/18/2010	24	37	65	8	
2/19/2010	23	36	63	6	
2/20/2010	21	34	68	5	
2/21/2010	20	33	76	0	
2/22/2010	19	32	78	0	
2/23/2010	18	31	74	1	
2/24/2010	17	30	71	0	
2/25/2010	17	30	68	1.5	
2/26/2010	20	33	57	5.5	
2/27/2010	16	29	67	1	
2/28/2010	16	29	66	0	
3/1/2010	0	0	0	0	
3/2/2010	0	0	0	0	
3/3/2010	0	0	0	0	

Total

1424

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CONSERVATION DIVISION
 WICHITA, KS

W2393
 Bowman 14-08H
 North Goodland
 Goodland
 None
 March-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
3/1/2010	15	28	66	66	0 bp
3/2/2010	15	28	66	66	0
3/3/2010	15	28	64	64	0
3/4/2010	15	28	61	61	0
3/5/2010	19	32	43	43	0
3/6/2010	14	27	64	64	0
3/7/2010	14	27	64	64	0
3/8/2010	13	26	63	63	0
3/9/2010	13	26	63	63	0
3/10/2010	13	26	62	62	0
3/11/2010	13	26	61	61	0 bp
3/12/2010	13	26	61	61	0
3/13/2010	13	26	60	60	0
3/14/2010	14	27	56	56	0
3/15/2010	13	26	59	59	0
3/16/2010	12	25	58	58	0
3/17/2010	12	25	58	58	0
3/18/2010	12	25	58	58	0 bp, cal
3/19/2010	12	25	48	48	0
3/20/2010	12	25	58	58	0
3/21/2010	12	25	59	59	0
3/22/2010	12	25	57	57	0
3/23/2010	12	25	56	56	0
3/24/2010	12	25	56	56	0
3/25/2010	12	25	56	56	0
3/26/2010	12	25	55	55	0
3/27/2010	12	25	54	54	0
3/28/2010	11	24	54	54	0
3/29/2010	11	24	54	54	0
3/30/2010	11	24	53	53	0
3/31/2010	12	25	51	51	0

Total

1798

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