

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **RFSE**
 Deliverability

Test Date:
2/4/2010

API No. 15
181-20528-00 - 00

Company Rosewood Resources, Inc.		Lease Milliken		Well Number 21-18	
County Sherman	Location NENW/4	Section 18	TWP 7S	RNG (E/W) 39W	Acres Attributed 80
Field Goodand		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 6/7/08		Plug Back Total Depth 1264'		Packer Set at	
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1264'	Perforations 1044'	To 1074'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe) Single (Conventional)	Type Fluid Production DryGas	Pump Unit or Traveling Plunger? flowing	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Producing Thru (Annulus / Tubing) Annulus	% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1280'	Pressure Taps Flange	(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 2-3 20 10 at 5:00 (AM) (PM) Taken 2-4 20 10 at 5:20 (AM) (PM)			
Well on Line: Started 2-4 20 10 at 5:20 (AM) (PM) Taken 2-5 20 10 at 6:00 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-In 72 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 _c) or (P _o)		Tubing Wellhead Pressure (P _w) or (P _c) or (P _o)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						47	61.4				
Flow						50	64.4			72	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (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
						59		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_w)² = 0.207
(P_o)² =

(P _c) ² =	(P _w) ² =	P _o = %	(P _c - 14.4) + 14.4 =	(P _w) ² = 0.207	(P _o) ² =		
(P _c) ² - (P _w) ² or (P _c) ² - (P _o) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w 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: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_o^2} \right]$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_o^2} \right]$	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 16 day of December, 20 10

Witness (if any)

For Commission

[Signature]
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.

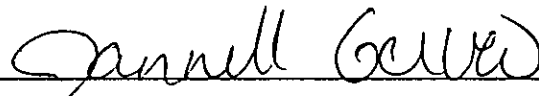
I hereby request a one-year exemption from open flow testing for the Milliken 21-18 gas well on the grounds that said well:

(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

W2582
 Milliken 21-18
 North Goodland
 Goodland
 None
 February-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
2/1/2010	47	60	42	0	cd
2/2/2010	48	61	30	22	
2/3/2010	49	62	14	24	
2/4/2010	50	63	0	24	
2/5/2010	50	63	55	0	
2/6/2010	48	61	43	1.5	
2/7/2010	48	61	43	1	
2/8/2010	47	60	43	0	
2/9/2010	47	60	50	18	opened up
2/10/2010	47	60	51	24	
2/11/2010	49	62	12	24	bp
2/12/2010	45	58	61	15	
2/13/2010	47	60	30	24	
2/14/2010	45	58	75	12	
2/15/2010	44	57	67	18	
2/16/2010	43	56	71	8	
2/17/2010	45	58	51	8	
2/18/2010	45	58	56	8	
2/19/2010	45	58	57	6	
2/20/2010	45	58	59	5	
2/21/2010	44	57	60	0	
2/22/2010	44	57	58	0	
2/23/2010	44	57	58	1	
2/24/2010	44	57	57	0	
2/25/2010	44	57	58	1.5	
2/26/2010	44	57	57	5.5	
2/27/2010	43	56	59	1	
2/28/2010	43	56	58	0	
3/1/2010	0	0	0	0	
3/2/2010	0	0	0	0	
3/3/2010	0	0	0	0	

Total

1375

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CONSERVATION DIVISION
 WICHITA, KS

W2582
 Milliken 21-18
 North Goodland
 Goodland
 None
 March-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
3/1/2010	43	56	59	0	bp
3/2/2010	43	56	59	0	
3/3/2010	43	56	59	1.5	
3/4/2010	43	56	58	5	
3/5/2010	44	57	52	7.5	
3/6/2010	43	56	58	0	
3/7/2010	43	56	58	0	
3/8/2010	43	56	58	0	
3/9/2010	43	56	58	0	opened to 65mcf
3/10/2010	42	55	64	0	
3/11/2010	42	55	64	0	bp
3/12/2010	42	55	64	0	
3/13/2010	42	55	64	0	
3/14/2010	42	55	63	3.5	
3/15/2010	42	55	64	0	
3/16/2010	42	55	63	0	
3/17/2010	42	55	63	0	
3/18/2010	41	54	63	0	bp
3/19/2010	42	55	63	0	
3/20/2010	41	54	64	0	
3/21/2010	41	54	61	0	
3/22/2010	41	54	62	0	opened to 76
3/23/2010	40	53	74	0	
3/24/2010	40	53	74	0	
3/25/2010	40	53	74	0	
3/26/2010	40	53	73	0	
3/27/2010	39	52	73	0	
3/28/2010	39	52	73	0	
3/29/2010	39	52	73	0	
3/30/2010	39	52	72	0	
3/31/2010	39	52	71	0	

Total

1998

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 WICHITA, KS