

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow **SI**
 Deliverability

Test Date:
5/22/2008

API No. 15
15-023-20567 **0000**

Company Rosewood Resources			Lease Miller		Well Number 1-13
County Cheyenne	Location NESW	Section 13	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9-10-2004		Plug Back Total Depth 1457'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1500'	Perforations 1292'	To 1330'
Tubing Size none	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production Dry Gas		Pump Unit or Traveling Plunger? Yes <input checked="" type="checkbox"/> No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1330'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-22 20 08 at 9:40		(AM) (PM) Taken 5-23 20 08 at 10:00		(AM) (PM)	
Well on Line: Started 5-23 20 08 at 10:00		(AM) (PM) Taken 5-24 20 08 at 10:40		(AM) (PM)	

OBSERVED SURFACE DATA

Duration of Shut-in **24** 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 _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						230.0	244.4				
Flow						74	88.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _d) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						14		

(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 12 day of December, 20 08.

Witness (if any)

For Commission

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JAN 29 2009

CONSERVATION DIVISION
WICHITA, KS

Wayne M. ...
For Company

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, 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 Miller 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: 12/12/08

Signature: *Wayne Graham*
Title: Production Foreman

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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.

W357
 Miller 01-13
 St. Francis
 St. Francis
 St. Francis
 May-08

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
5/1/2008		75	17	0	
5/2/2008	60	75	17	0	
5/3/2008		75	17	0	
5/4/2008		74	17	0	
5/5/2008		75	17	0	
5/6/2008		74	17	0	
5/7/2008		75	17	0	
5/8/2008	60	72	17	0	
5/9/2008		73	17	0	
5/10/2008		72	17	0	
5/11/2008		73	17	0	
5/12/2008		73	17	0	
5/13/2008		72	17	0	
5/14/2008		74	17	0	
5/15/2008	60	77	17	0	
5/16/2008		73	17	0	
5/17/2008		73	17	0	
5/18/2008		73	17	0	
5/19/2008		73	17	0	
5/20/2008		70	17	0	
5/21/2008		81	17	0	
5/22/2008		68	17	0	
5/23/2008	70	79	17	0	shut in for test
5/24/2008	230	67	3	0	open
5/25/2008		74	27	0	
5/26/2008		73	17	0	
5/27/2008		79	19	0	
5/28/2008		74	18	0	
5/29/2008		82	18	0	
5/30/2008		71	17	0	
5/31/2008		74	9	0	

Total

519

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W357
 Miller 01-13
 St. Francis
 St. Francis
 St. Francis
 June-08

DATE	Casing			HRS	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF	DOWN	
6/1/2008		73		11	0
6/2/2008		73		11	0
6/3/2008		73		11	0
6/4/2008		68		10	0
6/5/2008		67		0	0
6/6/2008		67		0	0
6/7/2008		69		0	0
6/8/2008		69		0	0
6/9/2008		111		12	0
6/10/2008		80		26	0
6/11/2008		80		20	0
6/12/2008		78		17	0
6/13/2008		80		16	0
6/14/2008		80		17	0
6/15/2008		82		15	0
6/16/2008		80		16	0
6/17/2008		77		15	0
6/18/2008		76		14	0
6/19/2008		75		14	0
6/20/2008		77		14	0
6/21/2008		74		14	0
6/22/2008		75		14	0
6/23/2008		77		14	0
6/24/2008		74		14	0
6/25/2008		74		14	0
6/26/2008		75		14	0
6/27/2008		74		14	0
6/28/2008		74		14	0
6/29/2008		74		14	0
6/30/2008		74		14	0
7/1/2008					0

Total

379

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W357
 Miller 01-13
 St. Francis
 St. Francis
 St. Francis
 July-08

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
7/1/2008			73	14	0
7/2/2008			78	14	0
7/3/2008	60		72	14	0
7/4/2008			72	14	0
7/5/2008			82	14	0
7/6/2008			84	14	0
7/7/2008			82	14	0
7/8/2008			77	14	0
7/9/2008			74	14	0
7/10/2008	60		75	14	0
7/11/2008			82	14	0
7/12/2008			74	14	0
7/13/2008			72	14	0
7/14/2008			176	14	11
7/15/2008			115	9	0
7/16/2008			95	16	0
7/17/2008	67		80	15	0
7/18/2008			105	15	0
7/19/2008			64	14	3
7/20/2008			74	14	0
7/21/2008			73	14	0
7/22/2008			77	14	0
7/23/2008			77	14	0
7/24/2008	85		97	13	0
7/25/2008			92	14	0
7/26/2008			67	14	0
7/27/2008			68	14	0
7/28/2008			72	13	0
7/29/2008			63	13	0
7/30/2008			128	14	0
7/31/2008	55		69	13	5

Total

429

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