

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **ASL**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
7/28/2009

API No. 15
023-20606-0000

Company Rosewood Resources, Inc.		Lease Miller		Well Number 2-13	
County Cheyenne	Location NW SW/4	Section 13	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 7/1/2005		Plug Back Total Depth 1464'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1464'	Perforations 1270'	To 1302'
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? <input checked="" type="radio"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1302'		Pressure Taps Flange		Gas Gravity - G _g .6	
				(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-27 20 09 at 8:45 (AM) (PM)		Taken 7-28 20 09 at 9:00 (AM) (PM)			
Well on Line: Started 7-28 20 09 at 9:00 (AM) (PM)		Taken 7-29 20 09 at 9:45 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 24 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 _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						40	54.4				
Flow						99	113.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _a) 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
						13		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _g) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _g 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 18 day of November, 20 09.

Witness (if any)

For Commission

Tom W. Ruel
For Company

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Checked by _____

KCC WICHITA

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.

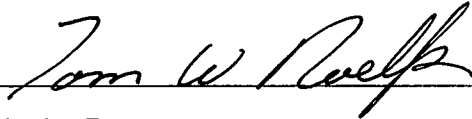
I hereby request a one-year exemption from open flow testing for the Miller 2-13 gas well on the grounds that said well:

(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: 11/18/09

Signature: 
Title: Production Foreman

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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W358
 Miller 2-13
 St. Francis
 St. Francis
 None
 July-09
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2009			53	11	0	0	0	
7/2/2009			53	11	0	0	0	
7/3/2009			53	11	0	0	0	
7/4/2009			53	11	0	0	0	
7/5/2009			53	11	0	0	0	
7/6/2009			53	11	0	0	0	
7/7/2009			56	11	0	0	0	
7/8/2009			132	8	0	0	6	
7/9/2009			71	8	0	0	0	
7/10/2009			49	11	0	0	0	
7/11/2009			47	11	0	0	0	
7/12/2009			48	11	0	0	0	
7/13/2009			49	11	0	0	0	
7/14/2009			49	11	0	0	0	
7/15/2009			50	11	0	0	0	
7/16/2009			46	11	0	0	0	
7/17/2009			51	11	0	0	0	
7/18/2009			48	11	0	0	0	
7/19/2009			52	11	0	0	0	
7/20/2009			72	9	0	0	7	
7/21/2009			69	11	0	0	0	
7/22/2009			56	10	0	0	0	
7/23/2009			52	11	0	0	0	
7/24/2009			51	11	0	0	0	
7/25/2009			51	11	0	0	0	
7/26/2009			51	11	0	0	0	
7/27/2009			50	11	0	0	4	
7/28/2009		40	48	11	0	0	0	shut in for test
7/29/2009		99	59	1	0	0	0	open
7/30/2009			69	20	0	0	0	
7/31/2009			55	19	0	0	0	

Total

339

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W358
 Miller 2-13
 St. Francis
 St. Francis
 None
 August-09
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2009				54	16			0	pump off problems
8/2/2009				53	16			0	
8/3/2009				59	15			0	
8/4/2009				52	15			0	
8/5/2009				51	14			0	
8/6/2009				52	14			0	
8/7/2009				51	14			0	
8/8/2009				51	14			0	
8/9/2009				50	14			0	
8/10/2009				50	14			0	
8/11/2009				47	13			0	
8/12/2009				46	14			0	
8/13/2009				45	13			0	
8/14/2009				47	13			0	
8/15/2009				48	13			0	
8/16/2009				46	13			0	
8/17/2009				123	11			0	
8/18/2009				125	11			0	
8/19/2009				124	11			0	
8/20/2009				47	13			0	
8/21/2009				49	13			0	
8/22/2009				90	13			0	
8/23/2009				55	13			0	
8/24/2009				90	13			0	
8/25/2009				90	13			0	
8/26/2009				91	13			0	
8/27/2009				91	12			0	
8/28/2009				50	12			0	
8/29/2009				51	12			0	
8/30/2009				67	12			0	
8/31/2009				51	12			0	

Total

409

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W358
 Miller 2-13
 St. Francis
 St. Francis
 None
 September-09
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs
9/1/2009			50		12			0
9/2/2009			54		12			0
9/3/2009			53		11			0
9/4/2009			54		11			6
9/5/2009			53		11			0
9/6/2009			52		11			0
9/7/2009			52		11			0
9/8/2009			52		11			0
9/9/2009			55		11			0
9/10/2009			50		11			0
9/11/2009			49		11			0
9/12/2009			48		11			0
9/13/2009			53		11			0
9/14/2009			83		11			0
9/15/2009			48		11			0
9/16/2009			46		11			0
9/17/2009			46		11			0
9/18/2009			45		11			0
9/19/2009			45		11			0
9/20/2009			46		11			0
9/21/2009			44		11			0
9/22/2009			44		11			0
9/23/2009			44		11			0
9/24/2009			45		5			0
9/25/2009			70		7			6
9/26/2009			100		11			0
9/27/2009			83		11			0
9/28/2009			74		11			0
9/29/2009			51		11			0
9/30/2009			103		8			8
10/1/2009								0

Total

319

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