

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow **RST**
 Deliverability

Test Date:
9/7/2011

API No. 15
023-20636-00-60

Company Rosewood Resources, Inc.		Lease Ella Mae		Well Number 22-04	
County Cheyenne	Location SENW/4	Section 4	TWP 3S	RNG (E/W) 42W	Acres Attributed
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/21/2005		Plug Back Total Depth 1775'		Packer Set at	
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter	Set at 1775'	Perforations 1598'	To 1632'
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 type="checkbox"/> No <input checked="" type="checkbox"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1632'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 9-6		20 11 at 1:00		(AM) (PM) Taken 9-7	
Well on Line: Started 9-7		20 11 at 1:15		(AM) (PM) Taken 9-8	
		20 11 at 1:15		(AM) (PM) Taken 9-8	
		20 11 at 2:00		(AM) (PM) Taken 9-8	

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 _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						247	261.4				
Flow						33	47.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						2		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_s)² = 0.207
(P_d)² = _____

(P _s) ² - (P _w) ² or (P _c) ² - (P _w) ²	(P _s) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _d ² - P _w 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 **28** day of **December**, 20 **11**.

Witness (if any)

For Commission

Janell Brown
For Company

Checked by

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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 Ella Mae 22-4 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: 12/28/11

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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W434
 Ella Mae 22-04
 West St. Francis
 St. Francis
 None
 September-11

DATE	Tubing Casing		STATIC MCF	SPM	CYCLEDOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
9/1/2011		33	48	2				
9/2/2011		36	49	2				
9/3/2011		36	49	2				
9/4/2011		36	49	2				
9/5/2011		36	49	2				
9/6/2011		33	47	2				
9/7/2011		247	49	0		24		shut well into state test opened well
9/8/2011		35	49	2				
9/9/2011		35	49	2				
9/10/2011		35	49	2				
9/11/2011		35	49	2				
9/12/2011		34	48	2				
9/13/2011		33	46	2				
9/14/2011		36	49	2				
9/15/2011		33	46	2				
9/16/2011		34	47	2				
9/17/2011		33	46	2				
9/18/2011		33	46	2				
9/19/2011		34	47	2				
9/20/2011		30	44	2				
9/21/2011		36	50	2				
9/22/2011		34	48	2				
9/23/2011		34	48	2				
9/24/2011		33	47	2				
9/25/2011		33	47	2				
9/26/2011		35	49	2				
9/27/2011		35	49	2				
9/28/2011		36	50	2				
9/29/2011		35	49	2				
9/30/2011		35	48	2				
10/1/2011								

Total

58

0

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 KCC WICHITA

W434
 Ella Mae 22-04
 West St. Francis
 St. Francis
 None
 October-11

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
10/1/2011		35	48	2	0	0	0	0
10/2/2011		35	47	2	0	0	0	0
10/3/2011		35	47	2	0	0	0	0
10/4/2011		33	47	2	0	0	0	0
10/5/2011		33	47	2	0	0	0	0
10/6/2011		35	51	2	0	0	0	0
10/7/2011		29	50	2	0	0	0	0
10/8/2011		29	48	2	0	0	0	0
10/9/2011		34	48	2	0	0	0	0
10/10/2011		36	48	2	0	0	0	0
10/11/2011		69	75	2	0	0	0	0
10/12/2011		34	49	2	0	0	0	0
10/13/2011		36	48	2	0	0	0	0
10/14/2011		35	48	2	0	0	0	0
10/15/2011		34	48	2	0	0	0	0
10/16/2011		36	49	2	0	0	0	0
10/17/2011		35	48	2	0	0	0	0
10/18/2011		36	48	2	0	0	0	0
10/19/2011		35	49	2	0	0	0	0
10/20/2011		37	48	2	0	0	0	0
10/21/2011		36	48	2	0	0	0	0
10/22/2011		36	48	2	0	0	0	0
10/23/2011		35	47	2	0	0	0	0
10/24/2011		35	48	2	0	0	0	0
10/25/2011		34	47	2	0	0	0	0
10/26/2011		33	49	2	0	0	0	0
10/27/2011		34	48	2	0	0	0	0
10/28/2011		34	47	2	0	0	0	0
10/29/2011		34	47	2	0	0	0	0
10/30/2011		34	47	2	0	0	0	0
10/31/2011		31	46	2	0	0	0	0

Total

62

0

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W434
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 West St. Francis
 St. Francis
 None
 November-11

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
11/1/2011		47	64	2	0	0	0
11/2/2011		46	45	2	0	0	0
11/3/2011		31	45	2	0	0	0
11/4/2011		32	45	2	0	0	0
11/5/2011		32	46	2	0	0	0
11/6/2011		34	46	2	0	0	0
11/7/2011		32	46	2	0	0	0
11/8/2011		32	49	2	0	0	0
11/9/2011		32	47	2	0	0	0
11/10/2011		31	46	2	0	0	0
11/11/2011		31	44	2	0	0	0
11/12/2011		31	45	2	0	0	0
11/13/2011		31	44	2	0	0	0
11/14/2011		31	44	2	0	0	0
11/15/2011		33	54	2	0	0	0
11/16/2011		32	44	2	0	0	0
11/17/2011		31	45	2	0	0	0
11/18/2011		30	45	2	0	0	0
11/19/2011		32	45	2	0	0	0
11/20/2011		31	46	2	0	0	0
11/21/2011		32	46	2	0	0	0
11/22/2011		32	46	2	0	0	0
11/23/2011		32	47	2	0	0	0
11/24/2011		31	47	2	0	0	0
11/25/2011		31	47	2	0	0	0
11/26/2011		30	47	2	0	0	0
11/27/2011		31	47	2	0	0	0
11/28/2011		33	46	2	0	0	0
11/29/2011		32	46	2	0	0	0
11/30/2011		32	46	2	0	0	0
12/1/2011		0	0	0	0	0	0

Total 60 0

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