

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/15/2012

API No. 15
023-20635-0000

Company Rosewood Resources, Inc.		Lease Ella Mae		Well Number 14-3	
County Cheyenne	Location SWSW	Section 3	TWP 3S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 10-21-2005		Plug Back Total Depth 1715'	Packer Set at		
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1715'	Perforations 1575'	To 1607'
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) 1573'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-14 20 12 at 1:15 (AM) <input checked="" type="checkbox"/> Taken 8-15 20 12 at 1:30 (AM) <input checked="" type="checkbox"/>					
Well on Line: Started 8-15 20 12 at 1:30 (AM) <input checked="" type="checkbox"/> Taken 8-16 20 12 at 2:15 (AM) <input checked="" type="checkbox"/>					

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OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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						169	183.4				
Flow						20	34.4			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
						3		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_d)² =

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

(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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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 19 day of December, 20 12

Garrett Green
For Company

Witness (if any)

For Commission

Checked by

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Form G-2
(Rev. 7/03)

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 Eli Mae 14-03 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: 12/19/12

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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W435
 Ella Mae 14-03
 West St. Francis
 St. Francis
 None
 August-12

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
8/1/2012		20	34	2				
8/2/2012		20	34	2				
8/3/2012		22	35	2				
8/4/2012		43	56	3				
8/5/2012		52	65	3				
8/6/2012		41	54	3				
8/7/2012		23	37	2				
8/8/2012		22	36	2				
8/9/2012		21	35	3				
8/10/2012		21	35	3				
8/11/2012		60	74	2		1.5		
8/12/2012		26	40	2				
8/13/2012		18	32	3				
8/14/2012		19	32	3				
8/15/2012		169	32	0		24		shut well into for state test psi 19 open well psi 169
8/16/2012		20	33	10				
8/17/2012		23	36	5				
8/18/2012		22	35	5				
8/19/2012		22	35	4				
8/20/2012		21	34	4				
8/21/2012		22	35	4				
8/22/2012		23	36	4				
8/23/2012		23	36	4				
8/24/2012		19	32	4				
8/25/2012		19	32	3				
8/26/2012		22	35	3				
8/27/2012		22	35	3				
8/28/2012		27	41	3				
8/29/2012		23	36	3				
8/30/2012		21	34	3				
8/31/2012		24	37	3				

Total

100

0

W435

Ella Mae 14-03

West St. Francis

St. Francis

None

September-12

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DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
9/1/2012	23	36		3	
9/2/2012	23	36		3	
9/3/2012	23	36		3	
9/4/2012	23	36		3	
9/5/2012	67	71		3	1
9/6/2012	24	38		3	
9/7/2012	150	163		1	19
9/8/2012	165	179		0	24
9/9/2012	171	185		0	24
9/10/2012	175	189		0	24
9/11/2012	176	190		0	24
9/12/2012	176	189		0	24
9/13/2012	109	122		5	10
9/14/2012	95	108		5	
9/15/2012	88	101		4	
9/16/2012	83	96		4	
9/17/2012	73	86		3	
9/18/2012	24	38		3	
9/19/2012	55	69		3	
9/20/2012	18	31		4	
9/21/2012	21	35		3	
9/22/2012	23	36		3	
9/23/2012	21	35		3	
9/24/2012	23	36		3	
9/25/2012	23	36		3	
9/26/2012	21	35		3	
9/27/2012	21	35		3	
9/28/2012	24	37		3	
9/29/2012	24	37		3	
9/30/2012	24	37		3	
10/1/2012					

Total

80

W435
 Ella Mae 14-03
 West St. Francis
 St. Francis
 None
 October-12

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DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
10/1/2012	24	37		3	
10/2/2012	23	36		3	
10/3/2012	23	36		3	
10/4/2012	22	35		3	
10/5/2012	22	35		3	
10/6/2012	23	36		3	
10/7/2012	21	35		3	
10/8/2012	21	35		3	
10/9/2012	21	35		3	
10/10/2012	22	36		3	
10/11/2012	21	35		3	
10/12/2012	21	35		3	
10/13/2012	22	35		3	
10/14/2012	23	36		3	
10/15/2012	23	36		3	
10/16/2012	45	59		3	
10/17/2012	23	36		3	
10/18/2012	23	36		3	
10/19/2012	23	36		3	
10/20/2012	31	44		3	
10/21/2012	23	36		3	
10/22/2012	22	35		3	
10/23/2012	22	35		3	
10/24/2012	22	35		3	
10/25/2012	22	35		3	
10/26/2012	22	35		3	
10/27/2012	22	35		3	
10/28/2012	22	35		3	2
10/29/2012	77	90		3	
10/30/2012	65	78		3	
10/31/2012	46	59		3	

Total

93