

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **AST**
 Deliverability

Test Date:
8/15/2012

API No. 15
023-20661-0000

Company Rosewood Resources, Inc.		Lease Ella Mae		Well Number 22-3	
County Cheyenne	Location SENW	Section 3S	TWP 3S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 4/2/2006		Plug Back Total Depth 1765'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1766.09'	Perforations 1602'	To 1628'
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		Gas Gravity - G _g .6
Vertical Depth(H) 1402'	Pressure Taps Flange			(Meter Run) (Prover) Size 2"	
Pressure Buildup:	Shut in 8-14	20 12	at 11:30 (AM) (PM)	Taken 8-15	20 12
Well on Line:	Started 8-15	20 12	at 11:40 (AM) (PM)	Taken 8-16	20 12
					at 1:30 (AM) (PM)

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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 _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						61	75.4				
Flow						34	48.4				

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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
						0		

(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.

Witness (if any)

Jonell Geved
For Company

For Commission

Checked by

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Form G-2
(Rev. 7/03)

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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 22-3 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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W433
 Ella Mae 22-3
 West St. Francis
 St. Francis
 None
 August-12

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2012	147	161		0	
8/2/2012	147	161		0	
8/3/2012	147	161		0	
8/4/2012	147	161		0	
8/5/2012	147	161		0	
8/6/2012	147	161		0	
8/7/2012	147	161		0	open to flow at 9 mcf
8/8/2012	45	59		5	
8/9/2012	26	40		0	
8/10/2012	26	40		0	
8/11/2012	63	77		0	1.5
8/12/2012	36	50		0	
8/13/2012	23	37		0	
8/14/2012	25	38		0	shut well in for state test psi 25
8/15/2012	61	38		0	24 open well psi 61
8/16/2012	34	47		0	
8/17/2012	28	41		0	
8/18/2012	28	41		0	
8/19/2012	28	41		0	
8/20/2012	26	39		0	
8/21/2012	26	39		0	
8/22/2012	27	41		0	
8/23/2012	27	41		0	
8/24/2012	24	37		0	
8/25/2012	24	37		0	
8/26/2012	27	40		0	
8/27/2012	27	40		0	
8/28/2012	29	42		0	
8/29/2012	27	40		0	
8/30/2012	27	40		0	
8/31/2012	29	42		0	

Total 5

W433
 Ella Mae 22-3
 West St. Francis
 St. Francis
 None
 September-12

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DATE	Casing PSI	STATIC MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
9/1/2012	29	42	0	
9/2/2012	29	42	0	
9/3/2012	29	42	0	
9/4/2012	29	42	0	
9/5/2012	67	81	0	1
9/6/2012	33	47	0	
9/7/2012	148	162	0	19
9/8/2012	164	178	0	24
9/9/2012	174	184	0	24
9/10/2012	175	188	0	24
9/11/2012	176	189	0	24
9/12/2012	178	191	0	24
9/13/2012	111	125	0	10
9/14/2012	96	109	0	
9/15/2012	89	102	0	
9/16/2012	84	97	0	
9/17/2012	76	89	0	
9/18/2012	48	61	0	
9/19/2012	76	89	0	
9/20/2012	22	36	0	
9/21/2012	26	40	0	
9/22/2012	27	41	0	
9/23/2012	27	41	0	
9/24/2012	27	41	0	
9/25/2012	28	42	0	
9/26/2012	28	42	0	
9/27/2012	29	43	0	
9/28/2012	29	42	0	
9/29/2012	29	42	0	
9/30/2012	29	42	0	
10/1/2012				

Total 0

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W433
Ella Mae 22-3
West St. Francis
St. Francis
None
October-12

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
10/1/2012	29	42	0		
10/2/2012	28	41	0		
10/3/2012	28	41	0		
10/4/2012	26	40	0		
10/5/2012	28	42	0		
10/6/2012	28	42	0		
10/7/2012	27	41	0		
10/8/2012	27	41	0		
10/9/2012	26	40	0		
10/10/2012	26	40	0		
10/11/2012	26	40	0		
10/12/2012	27	41	0		
10/13/2012	27	41	0		
10/14/2012	27	41	0		
10/15/2012	27	41	0		
10/16/2012	45	59	0		
10/17/2012	27	41	0		
10/18/2012	27	41	0		
10/19/2012	26	40	0		
10/20/2012	38	52	0		
10/21/2012	26	40	0		
10/22/2012	26	40	0		
10/23/2012	25	39	0		
10/24/2012	24	37	0		
10/25/2012	26	40	0		
10/26/2012	27	40	0		
10/27/2012	27	40	0		
10/28/2012	27	40	0		
10/29/2012	78	91	0	2	
10/30/2012	70	83	0		
10/31/2012	44	57	0		

Total 0