

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8-29-2006

API No. 15
023-20636-00-00

Company Rosewood Resources, Inc.			Lease Ella Mae		Well Number 22-04
County Cheyenne	Location SENW/4	Section 4	TWP 3S	RNG (EW) 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 (Vertical)		Type Fluid Production Dry Gas	Pump Unit or Traveling Plunger? flowing		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) 1632'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-29 20 06 at 12:30 (AM) (PM) Taken 8-30 20 06 at 1:00 (AM) (PM)					
Well on Line: Started 8-30 20 06 at 1:00 (AM) (PM) Taken 8-30- 20 06 at 1:00 (AM) (PM)					

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 _o)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _o)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						270	284.4				
Flow						55	69.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						3		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _o) ² - (P _a) ² or (P _o) ² - (P _w) ²	(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P _o ² - P _a ² 2. P _o ² - P _w ² divided by: P _o ² - P _w ²	LOG of formula 1. or 2. and divide by: $\left[\frac{P_o^2 - P_w^2}{P_o^2 - P_a^2} \right]$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_o^2 - P_w^2}{P_o^2 - P_a^2} \right]$	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 31 day of August, 20 06.

Witness (if any)

For Commission

Tom W. Ruff

For Company

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CONSERVATION DIVISION
WICHITA, KS

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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 22-4 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: 8/31/2006

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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Monthly Gauge Sheet ✓

Well Name: Ellamae 22-4

Pumper: V5

Month 8/06
CP

Day	Static	Diff	MCF	Wtr	Wtr	TP	SPM Cycle	Remarks
1	66		3	.5		53	170	
2	68		3	.5		55	170	
3	67		3	.5		54	170	
4	65		3	.5		52	170	
5	65		3	.5		52	170	
6	65		3	.5		52	170	
7	66		3	.5		53	170	
8	64		3	.5		51	170	
9	65		3	.5		52	170	
10	65		3	.5		52	170	
11	64		3	.5		51	170	
12	64		3	.5		51	170	
13	64		3	.5		51	170	
14	64		3	.5		51	170	
15	64		3	.5		51	170	
16	64		3	.5		51	170	
17	66		3	.5		53	170	
18	67		3	.5		54	170	
19	68		3	.5		55	170	
20	67		3	.5		54	170	
21	71		3	.5		58	170	86" / r
22	71		3	.5		58	170	Hauled 90 BBL
23	71		3	.5		58	170	
24	71		3	.5		58	170	
25	71		3	.5		58	170	
26	71		3	.5		58	170	
27	71		3	.5		58	170	
28	67		3	.5		54	170	
29	62		3	.5		49	170	ST. CP 170 12:30 PM
30	180		0	0		167	270	open CP 270 1:00 PM
31	63		3	.5		50	170	
Totals				15				

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Monthly Gauge Sheet X

Well Name: Ella Mae 22-4

Pumper: VS

Month 7/06

Day	Static	Diff	MCF	Wtr	LP TR	CP	SPM Cycle	Remarks
1	99		2	.5	86	195		
2	100		2	.5	87	195		
3	103		2	.5	90	195		
4	105		2	.5	92	195		
5	107		2	.5	94	195		
6	108		2	.5	95	235		58" in tank
7	104		2	.5	91	225		
8	95		2	.5	82	225		
9	85		2	.5	72	220		
10	70		3	.5	57	220		
11	55		2	.5	42	225		
12	56		2	.5	42	225		
13	52		2	.5	39	225		
14	79		4	.5	66	225		
15	53		2	.5	40	225		
16	53		2	.5	40	225		
17	52		4	.5	39	225		
18	59		4	.5	46	225		
19	58		4	.5	45	225		
20	52		4	.5	39	223		
21	54		4	.5	41	225		
22	58		4	.5	45	225		
23	72		4	.5	59	225		
24	68		3	.5	55	225		
25	65		3	.5	52	225		
26	68		3	.5	55	195		
27	69		3	.5	56	195		
28	68		3	.5	55	195		no bushings to gauge
29	68		3	.5	55	195		
30	69		3	.5	56	195		
31	68		3	.5	55	195		
Totals				14				

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