

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
7/29/2008

API No. 15
023-20631-00 **00**

Company Rosewood Resources, Inc.		Lease Rudolph		Well Number 33-09	
County Cheyenne	Location NWSE/4	Section 9	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/21/2005		Plug Back Total Depth 1540'		Packer Set at	
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1540'	Perforations 1421'	To 1453'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production		Pump Unit or Traveling Plunger? Yes / (No) flowing	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1453'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-29 20 08 at 10:40 (AM) (PM) Taken 7-30 20 08 at 12:05 (AM) (PM)		Well on Line: Started 7-30 20 08 at 12:05 (AM) (PM) Taken 7-31 20 08 at 11:45 (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						45	59.4				
Flow						138	152.4			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
						17		

(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 _a) ² = 0.207	(P _d) ² = _____		
$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	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 11 day of December, 20 08

Witness (if any)

For Commission

Wayne Graham
For Company

Checked by

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JAN 29 2009
CONSERVATION DIVISION
WICHITA, KS

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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 Rudolph 33-9 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: 12/11/08

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JAN 29 2009

Signature: *Leslie Mahan*

CONSERVATION DIVISION
WICHITA, KS

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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W441
 Rudolph 33-9
 St. Francis
 St. Francis
 None
 July-08

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
7/1/2008		57		17	0
7/2/2008		62		17	0
7/3/2008		57		17	0
7/4/2008		57		17	0
7/5/2008		67		17	0
7/6/2008		73		17	0
7/7/2008		70		17	0
7/8/2008		63		17	0
7/9/2008		58		17	0
7/10/2008		62		17	0
7/11/2008		63		17	0
7/12/2008		62		17	0
7/13/2008		63		17	0
7/14/2008		140		17	11
7/15/2008		110		13	0
7/16/2008		88		20	0
7/17/2008		70		18	0
7/18/2008		80		18	0
7/19/2008		54		18	3
7/20/2008		54		18	0
7/21/2008		54		18	0
7/22/2008		63		17	0
7/23/2008		69		17	0
7/24/2008		99		17	0
7/25/2008		92		17	0
7/26/2008		57		17	0
7/27/2008		54		17	0
7/28/2008		64		17	0
7/29/2008		57		17	0
7/30/2008		151		17	0 closed for shut in test
7/31/2008		64		1	5 open

Total

515

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W441
 Rudolph 33-9
 St. Francis
 St. Francis
 None
 August-08

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
8/1/2008		57	17	0	
8/2/2008		55	17	0	
8/3/2008		62	20	0	
8/4/2008		57	18	0	
8/5/2008	45	57	19	0	
8/6/2008		55	19	0	
8/7/2008		56	19	0	
8/8/2008		55	19	0	
8/9/2008		55	19	0	
8/10/2008		55	19	0	
8/11/2008		60	18	0	
8/12/2008		62	18	0	
8/13/2008		57	18	0	
8/14/2008		57	18	0	
8/15/2008		55	18	0	
8/16/2008		57	18	0	
8/17/2008		57	18	0	
8/18/2008		55	18	0	
8/19/2008		61	18	0	
8/20/2008		61	18	0	
8/21/2008		67	18	0	
8/22/2008		75	18	0	
8/23/2008		78	18	0	
8/24/2008		75	18	0	
8/25/2008		78	18	0	
8/26/2008		72	17	0	
8/27/2008		78	17	0	
8/28/2008		87	17	0	
8/29/2008		75	17	0	
8/30/2008		61	18	0	
8/31/2008		58	17	0	

Total 559

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W441
 Rudolph 33-9
 St. Francis
 St. Francis
 None
 September-08

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
9/1/2008		55	17	0	
9/2/2008		53	17	0	
9/3/2008		51	17	0	
9/4/2008		51	17	0	
9/5/2008		51	17	0	
9/6/2008		152	13	14.5	
9/7/2008		92	16	0	
9/8/2008	40	53	17	0	
9/9/2008		53	17	0	
9/10/2008		53	17	0	
9/11/2008		64	17	0	
9/12/2008		84	17	0	
9/13/2008		104	17	0	
9/14/2008		49	17	0	
9/15/2008		49	17	0	
9/16/2008		50	16	0	
9/17/2008	35	51	16	0	
9/18/2008		51	16	0	
9/19/2008		50	16	0	
9/20/2008		48	16	0	
9/21/2008		48	16	0	
9/22/2008		46	16	0	
9/23/2008		46	16	0	
9/24/2008		49	16	0	
9/25/2008		49	16	0	
9/26/2008		50	16	0	
9/27/2008		50	16	0	
9/28/2008		50	16	0	
9/29/2008		49	16	0	
9/30/2008		49	16	0	
10/1/2008				0	

Total 490

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