

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability **SI**

Test Date:
7/25/2007

API No. 15
023-20554-0000

Company Rosewood Resources, Inc.			Lease Northrup		Well Number 2-33
County Cheyenne	Location SWSE	Section 33	TWP 2S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 7-15-2004		Plug Back Total Depth 1815'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1820'	Perforations 1600'	To 1634'
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 checked="" type="checkbox"/> No flowing		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1634'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup:	Shut in 7-25	20 07 at 11:10	(AM) (PM) Taken 7-26	20 07 at 11:20	(AM) (PM)
Well on Line:	Started 7-26	20 07 at 11:20	(AM) (PM) Taken 7-27	20 07 at 12:10	(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 ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						200	214.4				
Flow						57	71.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _v) 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
						19		

(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: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow

Mcfd @ 14.65 psia

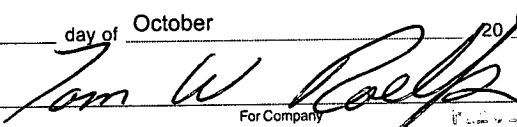
Deliverability

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 5 day of October, 2007.

Witness (if any)

For Commission


For Company

KANSAS CORPORATION COMMISSION

Checked by

NOV 02 2007

CONSERVATION DIVISION

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.

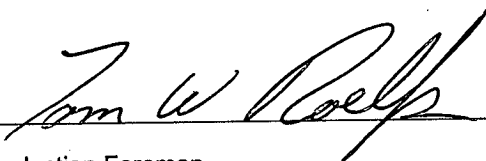
I hereby request a one-year exemption from open flow testing for the Northrup 2-33 gas well on the grounds that said well:

(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: 10/5/2007

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.

W363

Northrup 2-33

West St. Francis

St. Francis

Pumping Unit/Elec

July-07

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
7/1/2007			55	17			0	5	
7/2/2007			55	17			0	5	
7/3/2007			55	17			0	6	bp
7/4/2007			55	17		5.5 / 6.5	0	6	9 min water test
7/5/2007			55	17			0	7	
7/6/2007			55	17			0	7	
7/7/2007			55	17			0	5	
7/8/2007			55	17			0	7	
7/9/2007			163	15			12	5	
7/10/2007			210	15			15	5	pump off
7/11/2007			123	17			12	0	
7/12/2007			85	16			0	0	bp
7/13/2007			65	16		5.5 / 6.5	0	0	restart pump
7/14/2007			58	16			0	6	
7/15/2007			57	16			0	5	
7/16/2007			57	16			0	6	bp
7/17/2007			57	16			0	5	10 min water test greased
7/18/2007			55	16			0	6	
7/19/2007			52	15			0	5	
7/20/2007			55	15			0	6	
7/21/2007			56	16			0	4	
7/22/2007			56	16			0	6	
7/23/2007			56	16			0	5	bp
7/24/2007			66	15			4	6	
7/25/2007			62	16		5.5/6.5	0	7	bucket test 7 min si 45 psi
7/26/2007			52	3			0	0	open 200 psi
7/27/2007			58	27			0	7	
7/28/2007			59	26			0	7	
7/29/2007			54	20			0	8	
7/30/2007			55	20			0	6	
7/31/2007			57	19		5.5 / 6.5	0	5	bp 10 min water test

Total

519

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CONSERVATION DIVISION
WICHITA, KS

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Northrup 2-33

West St. Francis

St. Francis

Pumping Unit/Elec

August-07

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
8/1/2007			57	19	5.5	6.5	0	5	
8/2/2007			58	19	5.5	6.5	0	5	
8/3/2007			62	18	5.5	6.5	0	4	
8/4/2007			62	18	5.5	6.5	0	6	
8/5/2007			64	18	5.5	6.5	0	4	
8/6/2007			64	18	5.5	6.5	0	5 bp	
8/7/2007			65	18	5.5	6.5	0	6	8 min waer test
8/8/2007			67	18	5.5	6.5	0	6	
8/9/2007			90	18	5.5	6.5	12	4	
8/10/2007			127	17	5.5	6.5	0	5	
8/11/2007			114	18	5.5	6.5	0	3	
8/12/2007			101	18	5.5	6.5	0	7	
8/13/2007			92	17	5.5	6.5	0	5 bp	
8/14/2007			98	17	5.5	6.5	0	5	9 min water test
8/15/2007			101	17	5.5	6.5	0	5	
8/16/2007			72	17	5.5	6.5	0	6	
8/17/2007			67	17	5.5	6.5	0	5	
8/18/2007			67	17	5.5	6.5	0	4	
8/19/2007			68	17	5.5	6.5	0	6	
8/20/2007			69	17	5.5	6.5	0	5 bp	
8/21/2007			69	17	5.5	6.5	0	6	8 min waer test
8/22/2007			69	17	5.5	6.5	0	4	
8/23/2007			70	17	5.5	6.5	0	5	
8/24/2007			71	17	5.5	6.5	0	7	
8/25/2007			70	17	5.5	6.5	0	6	
8/26/2007			71	17	5.5	6.5	0	5	
8/27/2007			72	17	5.5	6.5	0	7	
8/28/2007			78	17	5.5	6.5	0	6 bp	
8/29/2007			78	17	5.5	6.5	0	5	
8/30/2007			88	17	5.5	6.5	0	4	
8/31/2007			90	17	5.5	6.5	0	6	

Total

540

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CONSERVATION DIVISION
WICHITA, KS

W363

Northrup 2-33

West St. Francis

St. Francis

Pumping Unit/Elec

September-07

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)	
9/1/2007			73		16	5.5	6.5	0	5
9/2/2007			70		15	5.5	6.5	0	5
9/3/2007			73		16	5.5	6.5	0	5
9/4/2007			73		16	5.5	6.5	0	5
9/5/2007			150		15	0	0	7	5 pump off hfp cd bp
9/6/2007			107		16	0	0	0	0 pump off hfp
9/7/2007			98		16	0	0	3	0
9/8/2007			73		15	0	0	0	0 restart pump
9/9/2007			73		15	5.5	6.5	0	5
9/10/2007			72		16	5.5	6.5	0	6
9/11/2007			77		16	5.5	6.5	0	5
9/12/2007			80		16	5.5	6.5	0	8 11 min water test
9/13/2007			86		16	5.5	6.5	0	8
9/14/2007			95		16	5.5	6.5	0	6
9/15/2007			98		16	5.5	6.5	0	7
9/16/2007			100		16	5.5	6.5	0	5
9/17/2007			99		16	5.5	6.5	0	7
9/18/2007			87		16	5.5	6.5	0	7 si
9/19/2007		220	236		4	0	0	0	0 si
9/20/2007			239		0	0	0	0	0 si
9/21/2007			235		0	0	0	0	0 si
9/22/2007			243		0	0	0	0	0 ai
9/23/2007			239		0	0	0	0	0 si
9/24/2007			245		0	0	0	0	0 si bp
9/25/2007		235	246		0	0	0	0	0 si
9/26/2007		235	247		0	0	0	0	0 si
9/27/2007			247		0	0	0	0	0 si
9/28/2007			249		0	0	0	0	0 si
9/29/2007			249		0	0	0	0	0 si
9/30/2007			249		0	0	0	0	0 si
10/1/2007								0	

Total

288

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