

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
- Deliverability

SI

Test Date:
6/10/2008

API No. 15
15-023-20586 **0000**

Company Rosewood Resources		Lease Isernhagen		Well Number 1-22	
County Cheyenne	Location SWSW	Section 22	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9/10/2004		Plug Back Total Depth 1441'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1490'	Perforations 1320'	To 1358'
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 / No Flowing	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1358'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 6-9 20 08 at 10:15 (AM) (PM)		Taken 6-10 20 08 at 11:00 (AM) (PM)			
Well on Line: Started 6-10 20 08 at 11:00 (AM) (PM)		Taken 6-11 20 08 at 11:15 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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						68	82.4				
Flow						77	91.4			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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						16		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_{at})² = 0.207
(P_g)² =

(P _c) ² =	(P _w) ² =	P _g = %	(P _c - 14.4) + 14.4 =				
(P _c) ² - (P _a) ² or (P _c) ² - (P _g) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _g ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow Mcf/d @ 14.65 psia Deliverability Mcf/d @ 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 20 day of January, 2009.

KANSAS CORPORATION COMMISSION

Witness (if any)

MAR 27 2009

Wayne Mahan
For Company

For Commission

Checked by

**CONSERVATION DIVISION
WICHITA, KS**

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 Isernhagen 1-22 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: 1/20/09

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CONSERVATION DIVISION
WICHITA, KS

Signature: Wayne Mabin

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.

W349
 Isernhagen 01-22
 St. Francis
 St. Francis
 None
 June-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
6/1/2008		72		0	0
6/2/2008		72		0	0
6/3/2008		72		0	0
6/4/2008		70		0	0
6/5/2008		68		0	0
6/6/2008		68		0	0
6/7/2008		68		0	0
6/8/2008		68		0	0
6/9/2008		70		0	0
6/10/2008		73		0	0
6/11/2008		81		13	0 started pumping unit puming water 1:00 pm 5.5 str
6/12/2008		77		9	0 bucket test 5 min 34 bbls 5.5 strokes 24 hrs
6/13/2008		77		6	0
6/14/2008		77		3	0 pump off / restart 6 min water test 23 bbls 5/24
6/15/2008		80		8	0
6/16/2008		75		6	0
6/17/2008		75		8	0 7.5 min water test 18 bbls 6 / 24
6/18/2008		73		7	0
6/19/2008		73		6	0 pump off restarted
6/20/2008		74		9	0 7.5 min water test 18 bbls 6/24
6/21/2008		75		10	0 bucket test 7 min 24 bbls 6/24
6/22/2008		75		11	0
6/23/2008		77		12	0 bucket test 7 min 24 bbls 6/24
6/24/2008		75		12	0
6/25/2008		75		12	0 bucket test 5 min 34 bbls 6/24
6/26/2008		76		13	0
6/27/2008		77		14	0 bucket test 6 min 23 bbls 6/24
6/28/2008		75		15	0
6/29/2008		75		15	0 bucket test 6 min 23 bbls 6/24
6/30/2008		75		15	0
7/1/2008					0

Total

204

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 WICHITA, KS

W349
 Isernhagen 01-22
 St. Francis
 St. Francis
 None
 July-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2008		78		16	0
7/2/2008		83		16	0 bucket test 5 min 34 bbls greased changed engine c
7/3/2008		77		16	0
7/4/2008		77		16	0
7/5/2008		86		17	0 bucket test 5 min 34 bbls
7/6/2008		88		17	0 34 bbls
7/7/2008		86		17	0 34
7/8/2008		82		17	0 34
7/9/2008		79		18	0 bucket test 5 min 34 bbls
7/10/2008		80		18	0 34
7/11/2008		88		18	0 34
7/12/2008		80		18	0 5 min water test 6.5 / 24 28 bbls
7/13/2008		71		18	0 34
7/14/2008		173		18	11 PU off HFP
7/15/2008		114		4	0
7/16/2008		94		18	0 pu off hfp
7/17/2008		77		17	0 pu off hfp
7/18/2008		103		13	0 pu off hfp
7/19/2008		62		12	3 started pumping unit
7/20/2008		68		13	0 28
7/21/2008		68		15	0 28
7/22/2008		76		16	0 28
7/23/2008		76		17	0 bucke test 4 min 43 changed engine oil and filter
7/24/2008		101		18	0 43
7/25/2008		85		18	0 43
7/26/2008		67		19	0 43
7/27/2008		63		19	0 43
7/28/2008		72		19	0 43
7/29/2008		63		18	0 bucket test 4 min 43
7/30/2008		137		17	0 pu off hfp
7/31/2008		67		12	5 started pumping unit

Total

505

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CONSERVATION DIVISION
 WICHITA, KS

W349
 Isernhagen 01-22
 St. Francis
 St. Francis
 None
 August-08

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2008		59		13	0 6.6/24 28
8/2/2008		69		12	0 28
8/3/2008		66		11	0 28
8/4/2008		62		10	0 28
8/5/2008		60		10	0 pump shut off checking not pumping water
8/6/2008		67		11	0 started pump 0
8/7/2008		61		13	0 28
8/8/2008		63		15	0 28
8/9/2008		63		16	0 28
8/10/2008		64		17	0 28
8/11/2008		65		18	0 28
8/12/2008		63		18	0 28
8/13/2008		63		18	0 28
8/14/2008		63		18	0 28
8/15/2008		62		18	0 28
8/16/2008		61		19	0 28
8/17/2008		61		19	0 28
8/18/2008		66		19	0 28
8/19/2008		65		19	0 bucket test 6 min greased 28
8/20/2008		66		18	0 28
8/21/2008		72		18	0 28
8/22/2008		78		18	0 28
8/23/2008		79		17	0 28
8/24/2008		75		17	0 28
8/25/2008		76		17	0 28
8/26/2008		77		17	0 28
8/27/2008		79		17	0 28
8/28/2008		90		17	0 pump off
8/29/2008		75		17	0 pump off
8/30/2008		65		17	0 pump off
8/31/2008		60		16	0 pump off

Total

500

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 WICHITA, KS