

# KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow  **SI**  
 Deliverability

Test Date:  
7/16/2007

API No. 15  
15-023-20586 - 00-00

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 / <input checked="" type="checkbox"/> No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1358'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7/16 20 07 at 12:15 (AM) <input checked="" type="checkbox"/> (PM) Taken 7/17 20 07 at 3:00 (AM) <input checked="" type="checkbox"/> (PM)					
Well on Line: Started 7/17 20 07 at 3:00 (AM) <input checked="" type="checkbox"/> (PM) Taken 7/18 20 07 at 1:15 (AM) <input checked="" type="checkbox"/> (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 <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						250	264.4				
Flow						47	61.4			24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</sub> ) (F <sub>a</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>tt</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						5		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

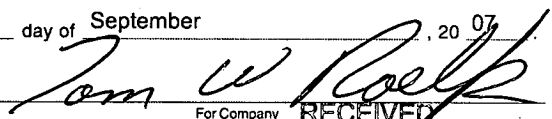
(P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> = _____	(P <sub>w</sub> ) <sup>2</sup> = _____	P <sub>d</sub> = _____ %	(P <sub>c</sub> - 14.4) + 14.4 = _____				
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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 27 day of September, 20 07

\_\_\_\_\_  
Witness (if any)  
\_\_\_\_\_  
For Commission

  
For Company  
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Checked by

NOV 02 2007

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.

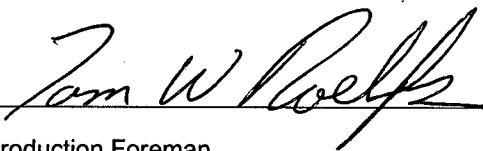
I hereby request a one-year exemption from open flow testing for the Isernhagen 1-22 gas well on the grounds that said well:

(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: 9/27/2007

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.

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CONSERVATION DIVISION

W349

Isernhagen 01-22

St. Francis

St. Francis

None

July-07

DATE	Casing		HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC MCF		DOWN	
7/1/2007		45	4	0	
7/2/2007		45	4	0	
7/3/2007	40	46	4	0	0 bp
7/4/2007		45	4	0	
7/5/2007		45	4	0	
7/6/2007		46	4	0	
7/7/2007		50	4	0	
7/8/2007		44	4	0	
7/9/2007		133	2	12	
7/10/2007		232	4	15	
7/11/2007		114	6	12	bp
7/12/2007		74	5	0	
7/13/2007		49	5	0	
7/14/2007		45	4	0	
7/15/2007		45	4	0	0 bp
7/16/2007	45	45	4	0	
7/17/2007		46	2	0	0 si 24 hr test cp - 250
7/18/2007		46	7	0	
7/19/2007		43	5	0	
7/20/2007		44	5	0	
7/21/2007		48	5	0	
7/22/2007		48	5	0	
7/23/2007		47	5	0	
7/24/2007		59	4	4	
7/25/2007		48	5	0	
7/26/2007		48	5	0	
7/27/2007		48	5	0	
7/28/2007		47	5	0	
7/29/2007		48	5	0	
7/30/2007		46	5	0	0 bp
7/31/2007		49	5	0	

Total

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Isernhagen 01-22

St. Francis

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None

August-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2007		47		5	0
8/2/2007		47		5	0
8/3/2007		47		5	0
8/4/2007		47		5	0
8/5/2007		47		5	0
8/6/2007		47		5	0
8/7/2007		53		4	0
8/8/2007		53		4	0
8/9/2007		79		3	12
8/10/2007		121		3	0
8/11/2007		116		4	0
8/12/2007		99		4	0
8/13/2007		89		4	0
8/14/2007		89		4	0 bp
8/15/2007	120	92		4	0
8/16/2007		58		5	0
8/17/2007		58		4	0
8/18/2007		53		4	0
8/19/2007		53		4	0 bp
8/20/2007		53		4	0
8/21/2007		53		4	0
8/22/2007		52		4	0
8/23/2007		54		4	0
8/24/2007		55		4	0
8/25/2007		57		4	0
8/26/2007		56		4	0
8/27/2007		61		4	0 bp
8/28/2007		62		4	0
8/29/2007		75		4	0
8/30/2007		75		4	0
8/31/2007		75		4	0

Total

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Isernhagen 01-22

St. Francis

St. Francis

None

September-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
9/1/2007		66		4	0
9/2/2007		69		4	0
9/3/2007		55		4	0
9/4/2007		55		4	0
9/5/2007		123		3	7
9/6/2007		91		5	0
9/7/2007		94		4	3
9/8/2007		68		4	0
9/9/2007		69		4	0
9/10/2007		65		4	0
9/11/2007		52		4	0 bp
9/12/2007		54		4	0
9/13/2007		60		4	0
9/14/2007		60		4	0
9/15/2007		74		4	0
9/16/2007		78		4	0
9/17/2007		76		4	0
9/18/2007		67		4	0
9/19/2007		74		4	0
9/20/2007		76		4	0
9/21/2007		67		4	0
9/22/2007		76		4	0
9/23/2007		76		4	0
9/24/2007		67		4	0
9/25/2007		51		5	0 bp
9/26/2007		49		4	0
9/27/2007		74		4	0
9/28/2007	75	74		4	0
9/29/2007		75		4	0
9/30/2007		75		4	0
10/1/2007					0

Total

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