

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **SI**
 Deliverability

Test Date:
5/23/2008

API No. 15
15-023-20564 **0000**

Company Rosewood Resources		Lease Isernhagen		Well Number 1-23	
County Cheyenne	Location SWSW	Section 23	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 1528'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1576'	Perforations 980'	To 1010'
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	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1010'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-23 20 08 at 1:10 (AM) PM Taken 5-24 20 08 at 1:20 (AM) PM		Well on Line: Started 5-24 20 08 at 1:20 (AM) PM Taken 5-25 20 08 at 2:05 (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 _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						70	84.4				
Flow						160	174.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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
						28		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _g) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _g 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_g^2}$	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 12 day of December, 20 08

Witness (if any)

For Commission

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JAN 29 2009

CONSERVATION DIVISION
WICHITA, KS

Wayne Shaker
For Company

Checked by

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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 Isernhagen 1-23 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: 12/12/08

Signature: *Leslie J. Anderson*

Title: Production Foreman

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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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W350
 Isernhagen 01-23
 St. Francis
 St. Francis
 Pumping Unit/Elec
 May-08

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
5/1/2008			74	26	7 24	0	33
5/2/2008			74	26	7 24	0	34
5/3/2008			71	23	7 24	0	33 pump off eletrici off restarted
5/4/2008			73	24	7 24	0	34
5/5/2008			73	23	7 24	0	33
5/6/2008			73	25	7 24	0	34 bucket test 5 min
5/7/2008			73	25	0 0	0	0 shut pump off
5/8/2008			70	24	7 24	0	0 started pumping unit at 3:30 pm
5/9/2008			71	23	7 24	0	31
5/10/2008			71	25	7 24	0	32
5/11/2008			71	25	7 24	0	33
5/12/2008			71	25	7 24	0	34
5/13/2008			71	25	7 24	0	34 bucket test 5 min
5/14/2008			72	25	7 24	0	33
5/15/2008			75	26	7 24	0	32
5/16/2008			71	25	7 24	0	35
5/17/2008			71	26	7 24	0	33
5/18/2008			72	25	7 24	0	34
5/19/2008			70	26	7 24	0	35
5/20/2008			70	25	7 24	0	34 bucket test 5 min greased
5/21/2008			66	25	7 24	0	33
5/22/2008			67	25	7 24	0	32
5/23/2008			67	25	7 24	0	33
5/24/2008		70	83	22	0 0	0	34 shut in for test
5/25/2008		160	66	6	7 24	0	0 open bp
5/26/2008			78	32	7 24	0	34
5/27/2008			75	33	7 24	0	33
5/28/2008			73	32	7 24	0	34 bucket test 5 min
5/29/2008			75	31	7 24	0	33
5/30/2008			75	31	7 24	0	35
5/31/2008			76	31	7 24	0	34

Total

790

936

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W350
 Isernhagen 01-23
 St. Francis
 St. Francis
 Pumping Unit/Elec
 June-08

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
6/1/2008			75	31	7 24	0	34
6/2/2008			75	30	7 24	0	33
6/3/2008			75	30	7 24	0	32
6/4/2008			72	29	7 24	0	33
6/5/2008			71	30	7 24	0	34 bucket test 5 min
6/6/2008			71	30	7 24	0	33
6/7/2008			72	30	7 24	0	34
6/8/2008			71	30	7 24	0	33
6/9/2008			73	29	7 24	0	32
6/10/2008			75	29	7 24	0	33
6/11/2008			79	29	7 24	0	34 bucket test 5 min
6/12/2008			77	29	7 24	0	33
6/13/2008			79	29	7 24	0	34
6/14/2008			79	29	7 24	0	33
6/15/2008			81	29	7 24	0	35
6/16/2008			79	29	7 24	0	34
6/17/2008			77	29	7 24	0	35
6/18/2008			74	27	7 24	0	34
6/19/2008			73	24	7 24	0	0 pump off restarted
6/20/2008			74	24	7 24	0	34 bucket test 5 min
6/21/2008			74	27	7 24	0	33
6/22/2008			74	27	7 24	0	32
6/23/2008			76	27	7 24	0	33
6/24/2008			74	28	7 24	0	34
6/25/2008			74	28	7 24	0	33
6/26/2008			74	28	7 24	0	34 bucket test 5 min
6/27/2008			74	28	7 24	0	35
6/28/2008			73	28	7 24	0	34
6/29/2008			73	28	7 24	0	33
6/30/2008			73	28	7 24	0	33
7/1/2008						0	

Total

853

971

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W350
 Isernhagen 01-23
 St. Francis
 St. Francis
 Pumping Unit/Elec
 July-08

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2008			73	28	7 24	0	28	
7/2/2008			78	28	7 24	0	29	bucket test 6 min greased
7/3/2008			72	27	7 24	0	19	pump off lighting/restarted
7/4/2008			72	27	7 24	0	29	
7/5/2008			82	27	7 24	0	28	
7/6/2008			84	27	7 24	0	27	
7/7/2008			82	27	7 24	0	28	
7/8/2008			76	27	7 24	0	29	
7/9/2008			73	27	7 24	0	28	
7/10/2008			75	27	7 24	0	29	bucket test 6 min greased
7/11/2008			84	27	7 24	0	30	
7/12/2008			74	27	7 24	0	28	
7/13/2008			72	27	7 24	0	30	
7/14/2008			171	27	7 24	11	26	PU off HFP
7/15/2008			114	20	0 0	0	0	
7/16/2008			93	22	0 0	0	0	PU off HFP
7/17/2008			77	20	0 0	0	0	PU off HFP
7/18/2008			101	20	0 0	0	0	PU off HFP
7/19/2008			62	19	7 24	3	0	started pumping unit
7/20/2008			67	20	7 24	0	29	
7/21/2008			67	22	7 24	0	28	
7/22/2008			75	23	7 24	0	29	bucket test 6 min greased
7/23/2008			75	24	7 24	0	28	
7/24/2008			99	24	7 24	0	27	
7/25/2008			95	24	7 24	0	28	
7/26/2008			65	25	7 24	0	30	
7/27/2008			62	23	7 24	0	30	
7/28/2008			71	25	7 24	0	28	
7/29/2008			62	25	7 24	0	27	
7/30/2008			150	26	0 0	0	26	pump off hfp
7/31/2008			67	24	7 24	5	0	started pumping unit

Total

766

698

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