

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
5/23/2008

API No. 15
023-20608-0000

Company Rosewood Resources, Inc.		Lease Isernhagen		Well Number 4-23	
County Cheyenne	Location SWSE/4	Section 23	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 5/27/2005		Plug Back Total Depth 1449'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1449'	Perforations 1250'	To 1282'
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) 1282'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-23 20 08 at 1:45 (AM) (PM) Taken 5-24 20 08 at 2:00 (AM) (PM)		Well on Line: Started 5-24 20 08 at 2:00 (AM) (PM) Taken 5-25 20 08 at 2:10 (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 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						70	84.4				
Flow						150	164.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _a) 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
						48		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_g)² =

(P _c) ² = _____	(P _w) ² = _____	P _d = _____ %	(P _c - 14.4) + 14.4 = _____	(P _a) ² = 0.207	(P _g) ² = _____		
(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: 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 (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, 2008

Witness (if any)

For Commission

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JAN 29 2009
CONSERVATION DIVISION
WICHITA, KS

[Signature]
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 4-23 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: Wayne Foster

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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W355
 Isernhagen 04-23
 St. Francis
 St. Francis
 None
 May-08

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
5/1/2008			78	45	6	16	0	22
5/2/2008			76	45	6	16	0	21
5/3/2008			74	44	6	16	0	22
5/4/2008			77	44	6	16	0	23 bucket test 5 min
5/5/2008			76	45	6	16	0	22
5/6/2008			77	44	6	16	0	21
5/7/2008			77	44	0	0	0	0 shut pump off 4:20 PM
5/8/2008			73	40	6	16	0	0 started pumping unit 3:25 pm
5/9/2008			74	39	6	16	0	20
5/10/2008			75	42	6	16	0	23
5/11/2008			73	43	6	16	0	22
5/12/2008			74	43	6	16	0	21
5/13/2008			75	44	6	16	0	23 bucket test 5 min
5/14/2008			75	44	6	16	0	22
5/15/2008			80	44	6	16	0	21
5/16/2008			74	44	6	16	0	24
5/17/2008			74	44	6	16	0	21
5/18/2008			74	44	6	16	0	23
5/19/2008			76	44	6	16	0	22
5/20/2008			75	44	6	16	0	23 bucket test 5 min greased
5/21/2008			71	44	6	16	0	22
5/22/2008			70	44	6	16	0	21
5/23/2008			82	44	6	16	0	22
5/24/2008		70	87	44	0	0	0	23 shut in for test
5/25/2008		150	66	14	6	16	0	0 open bp
5/26/2008			84	50	6	16	0	23
5/27/2008			82	59	6	16	0	22
5/28/2008			77	57	6	16	0	23 bucket test 5 min
5/29/2008			81	55	6	16	0	22
5/30/2008			81	53	6	16	0	24
5/31/2008			81	52	6	16	0	23

Total

1386

621

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W355
 Isernhagen 04-23
 St. Francis
 St. Francis
 None
 June-08

DATE	Tubing PSI	Casing PSI	STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2008			80	51	6	16	0 23
6/2/2008			78	50	6	16	0 22
6/3/2008			78	51	6	16	0 21
6/4/2008			78	50	6	16	0 22
6/5/2008			77	50	6	16	0 23 bucket test 5 min
6/6/2008			76	49	6	16	0 22
6/7/2008			76	49	6	16	0 23
6/8/2008			77	49	6	16	0 22
6/9/2008			76	49	6	16	0 23
6/10/2008			80	48	6	16	0 22
6/11/2008			83	48	6	16	0 23 bucket test 5 min
6/12/2008			82	48	6	12	0 22
6/13/2008			84	48	6	12	0 23
6/14/2008			84	48	6	12	0 23
6/15/2008			84	47	6	12	0 24
6/16/2008			83	48	6	12	0 23
6/17/2008			82	48	6	12	0 22
6/18/2008			79	47	6	12	0 23
6/19/2008			79	47	6	12	0 23 bucket test 5 min
6/20/2008			79	47	6	12	0 22
6/21/2008			78	47	6	12	0 23
6/22/2008			79	47	6	12	0 22
6/23/2008			80	47	6	12	0 23
6/24/2008			79	47	6	12	0 21
6/25/2008			79	47	6	12	0 23
6/26/2008			79	46	6	12	0 22
6/27/2008			79	46	6	12	0 23
6/28/2008			78	46	6	12	0 22
6/29/2008			78	46	6	12	0 21
6/30/2008			78	46	6	12	0 22
7/1/2008							0

Total

1437

673

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W355
 Isernhagen 04-23
 St. Francis
 St. Francis
 None
 July-08

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
7/1/2008			78	46	6	16	0	30
7/2/2008			82	46	6	16	0	29 bucket test 4 min greased
7/3/2008			77	46	6	16	0	28
7/4/2008			77	46	6	16	0	27
7/5/2008			85	46	6	16	0	28
7/6/2008			87	46	6	16	0	27
7/7/2008			85	46	6	16	0	28
7/8/2008			81	46	6	16	0	29
7/9/2008			78	46	6	16	0	28
7/10/2008			79	46	6	16	0	29 bucket test 4 min greased
7/11/2008			85	46	6	16	0	30
7/12/2008			78	46	6	16	0	28
7/13/2008			77	46	6	16	0	29
7/14/2008			174	46	6	16	11	28 PU off HFP
7/15/2008			118	20	0	0	0	0
7/16/2008			95	45	0	0	0	0 PU off HFP
7/17/2008			79	34	0	0	0	0 PU off HFP
7/18/2008			102	32	0	0	0	0 PU off HFP
7/19/2008			64	31	6	16	3	0 started pumping unit
7/20/2008			70	33	6	16	0	29
7/21/2008			70	36	6	16	0	28
7/22/2008			78	37	6	16	0	29 bucket test 4 min greased
7/23/2008			77	38	6	16	0	28
7/24/2008			101	39	6	16	0	27
7/25/2008			95	38	6	16	0	28
7/26/2008			70	41	6	16	0	30
7/27/2008			70	38	6	16	0	28
7/28/2008			74	42	6	16	0	27
7/29/2008			67	42	6	16	0	28
7/30/2008			143	42	0	0	0	29 PU off HFP
7/31/2008			70	33	6	16	5	0 started pumping unit

Total

1265

709

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