

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **AST**
 Deliverability

Test Date:
7/23/2012

API No. 15
023-20628-0000

Company Rosewood Resources, Inc.		Lease Isernhagen			Well Number 12-25	
County Cheyenne	Location SWNW/4	Section 25	TWP 3S	RNG (E/W) 41W	Acres Attributed 80	
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.		
Completion Date 10/22/2005		Plug Back Total Depth 1451'		Packer Set at		
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1451'	Perforations 1341'	To 1373'	
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="radio"/> No <input type="radio"/>		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen		Gas Gravity - G _g .6
Vertical Depth(H) 1373'		Pressure Taps Flange			(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-22		20	12	at 9:20	(AM) (PM)	Taken 7-23
		20	12	at 9:35	(AM) (PM)	
Well on Line: Started 7-23		20	12	at 9:35	(AM) (PM)	Taken 7-24
		20	12	at 10:20	(AM) (PM)	

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OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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 _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						148	162.4				
Flow						90	104.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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
						54		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
(P_a)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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	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 19 day of December, 20 12.

Witness (if any)

For Company

For Commission

Checked by

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JAN 03 2013 Form G-2 (Rev. 7/03)

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 12-25 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: 12/19/12

Signature: 
Title: Production Assistant

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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Isernhagen 12-25

St. Francis

St. Francis

None

July-12

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2012	89	102		46	
7/2/2012	89	102		44	3
7/3/2012	90	103		32	
7/4/2012	89	102		50	
7/5/2012	88	101		55	
7/6/2012	88	101		56	1
7/7/2012	88	101		56	
7/8/2012	90	103		46	
7/9/2012	90	103		53	
7/10/2012	90	103		53	
7/11/2012	89	102		53	102 static
7/12/2012	89	102		53	
7/13/2012	89	102		54	
7/14/2012	88	101		54	
7/15/2012	89	102		54	
7/16/2012	89	102		44	1.5
7/17/2012	89	102		47	
7/18/2012	89	102		56	
7/19/2012	89	102		51	0.5
7/20/2012	89	102		48	
7/21/2012	89	102		47	
7/22/2012	88	101		51	cp 135 si for state test
7/23/2012	90 148	67		0	24 cp 148 opened
7/24/2012	90	103		43	
7/25/2012	90	103		45	
7/26/2012	90	103		50	
7/27/2012	100	113		45	5
7/28/2012	90	103		34	
7/29/2012	89	102		52	
7/30/2012	89	102		56	
7/31/2012	89	102		56	

Total

1484

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Isernhagen 12-25

St. Francis

St. Francis

None

August-12

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DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
8/1/2012	89	102		56	
8/2/2012	89	102		53	
8/3/2012	89	102		54	
8/4/2012	89	102		55	
8/5/2012	89	102		54	
8/6/2012	89	102		53	
8/7/2012	90	103		53	
8/8/2012	89	102		51	
8/9/2012	89	102		53	
8/10/2012	89	102		46	1.5
8/11/2012	89	102		54	
8/12/2012	89	102		54	
8/13/2012	89	102		55	
8/14/2012	89	102		56	
8/15/2012	89	102		55	
8/16/2012	89	102		52	
8/17/2012	89	102		54	
8/18/2012	88	101		53	
8/19/2012	89	102		53	
8/20/2012	89	102		54	
8/21/2012	89	102		54	
8/22/2012	89	102		53	
8/23/2012	89	102		54	
8/24/2012	89	102		52	
8/25/2012	89	102		49	
8/26/2012	89	102		53	
8/27/2012	89	102		53	
8/28/2012	89	102		54	
8/29/2012	89	102		53	
8/30/2012	89	102		54	
8/31/2012	89	102		54	

Total

1651

W373
 Isernhagen 12-25
 St. Francis
 St. Francis
 None
 September-12

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DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
9/1/2012	88	101		54	
9/2/2012	89	102		54	
9/3/2012	66	101		54	
9/4/2012	89	102		54	1
9/5/2012	91	104		47	
9/6/2012	89	102		50	
9/7/2012	154	167		0	19
9/8/2012	170	183		0	24
9/9/2012	177	190		0	24
9/10/2012	173	186		0	24
9/11/2012	182	195		0	24
9/12/2012	184	197		0	24
9/13/2012	110	123		0	10
9/14/2012	100	113		0	
9/15/2012	94	107		5	
9/16/2012	93	106		14	
9/17/2012	92	105		23	
9/18/2012	90	103		46	
9/19/2012	92	105		44	
9/20/2012	90	103		52	
9/21/2012	90	103		58	
9/22/2012	90	103		58	
9/23/2012	89	102		58	
9/24/2012	90	103		57	
9/25/2012	90	103		53	
9/26/2012	90	103		53	
9/27/2012	91	104		47	
9/28/2012	90	103		52	
9/29/2012	90	103		53	
9/30/2012	89	102		53	
10/1/2012					

Total

1039