

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **ASI**
 Deliverability

Test Date:
7/23/2012

API No. 15
15-023-20662-0000

Company Rosewood Resources		Lease Isernhagen		Well Number 22-25	
County Cheyenne	Location SENW/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 3/10/2006		Plug Back Total Depth 1463'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1464'	Perforations 1280'	To 1316'
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? <input checked="" type="radio"/> Yes <input type="radio"/> No Pumping Unit		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1316'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup:	Shut in 7-22	20 12 at 9:25	(AM) (PM)	Taken 7-23	20 12 at 9:40 (AM) (PM)
Well on Line:	Started 7-23	20 12 at 9:40	(AM) (PM)	Taken 7-24	20 12 at 10:25 (AM) (PM)

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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						126	140.4				
Flow						69	83.4			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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						38		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
(P_d)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" ----- 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 19 day of December, 20 12

Witness (if any)

Gonell Grew
For Company

For Commission

Checked by

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Form G-2
(Rev. 7/03)

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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.

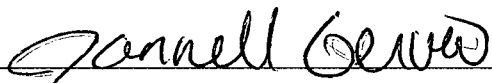
I hereby request a one-year exemption from open flow testing for the Isernhagen 22-25 gas well on the grounds that said well:

(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 22-25

St. Francis

St. Francis

None

July-12

DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2012	71	84	38	6	9	10	
7/2/2012	68	81	39	6	9	3	11
7/3/2012	79	92	35	6	4.5		5 pu off hfp
7/4/2012	59	72	37	6	4.5		5 restart pu
7/5/2012	58	71	36	6	9		11 6 min bt greased
7/6/2012	57	70	37	6	9	1	12
7/7/2012	60	73	37	6	9		13
7/8/2012	66	79	37	6	9		12
7/9/2012	63	76	38	6	9		14
7/10/2012	63	76	38	6	9		13
7/11/2012	60	73	38	6	9		12
7/12/2012	60	73	38	6	9		13
7/13/2012	60	73	38	6	9		12
7/14/2012	59	72	38	6	9		11
7/15/2012	60	73	38	6	9		10
7/16/2012	71	84	36	6	4.5	1.5	5 pu off hfp
7/17/2012	62	75	37	6	4.5		5 restart pu
7/18/2012	56	69	36	6	9		11 6 min bt
7/19/2012	63	76	36	6	9	0.5	10
7/20/2012	64	77	37	6	9		12
7/21/2012	67	80	37	6	9		13
7/22/2012	61	74	38	6	4.5		6 cp 63 si for state test
7/23/2012	126	67	0	6	4.5	24	5 cp 126 opened
7/24/2012	69	82	46	6	9		11 5.75 min bt greased
7/25/2012	74	87	42	6	9		10
7/26/2012	62	75	43	6	5		5 shut pumping unit off hfp
7/27/2012	84	97	38	6	0	5	0
7/28/2012	71	84	42	6	0		0
7/29/2012	60	73	36	6	5		6 started pumping unit
7/30/2012	58	71	35	6	9		11
7/31/2012	57	70	36	6	9		12

Total

1137

286

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Isernhagen 22-25

St. Francis

St. Francis

None

August-12

DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCL	DOWN	Water BBL	REMARKS (Maximum length 110 characters)
8/1/2012	59	72	37	6	9		11	
8/2/2012	61	74	37	6	9		11	6 min bt
8/3/2012	61	74	38	6	9		10	
8/4/2012	61	74	38	6	9		9	
8/5/2012	61	74	38	6	9		10	
8/6/2012	59	72	38	6	9		12	
8/7/2012	64	77	38	6	9		11	6 min bt
8/8/2012	63	76	38	6	9		11	
8/9/2012	62	75	39	6	9		12	
8/10/2012	62	75	37	6	9	1.5	11	
8/11/2012	62	75	37	6	9		10	
8/12/2012	64	77	39	6	9		11	
8/13/2012	58	72	38	6	9		11	
8/14/2012	57	70	38	6	9		11	6 min bt greased
8/15/2012	64	77	38	6	9		9	
8/16/2012	59	72	38	6	9		8	
8/17/2012	56	69	38	6	9		9	
8/18/2012	57	70	38	6	9		10	
8/19/2012	65	78	38	6	9		8	
8/20/2012	58	71	38	6	9		11	6 min bt chg timer to 7 hrs on
8/21/2012	58	71	38	6	7		8	
8/22/2012	58	71	38	6	7		9	
8/23/2012	59	72	37	6	7		10	
8/24/2012	59	72	37	6	7		11	
8/25/2012	65	76	36	6	7		12	
8/26/2012	66	79	37	6	7		11	
8/27/2012	66	79	37	6	7		10	
8/28/2012	59	72	37	6	7		9	
8/29/2012	61	74	36	6	7		9	5.75 min bt
8/30/2012	61	74	36	6	7		13	
8/31/2012	61	74	36	6	7		12	

Total

1163

320

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Isernhagen 22-25

St. Francis

St. Francis

None

September-12

DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBL	REMARKS (Maximum length 110 characters)
9/1/2012	60	73	36	6	7	9	
9/2/2012	60	73	36	6	7	10	
9/3/2012	60	73	36	6	7	8	6 min bt
9/4/2012	60	73	36	6	7	1	9
9/5/2012	75	88	35	6	7	8	
9/6/2012	59	72	36	6	4	3	pu off hfp
9/7/2012	125	138	10	6	0	19	0
9/8/2012	131	144	0	6	0	24	0
9/9/2012	132	145	0	6	0	24	0
9/10/2012	138	151	0	6	0	24	0
9/11/2012	140	153	0	6	0	24	0
9/12/2012	142	155	0	6	0	24	0
9/13/2012	115	128	26	6	0	10	0
9/14/2012	106	119	49	6	0	0	0
9/15/2012	98	111	53	6	0	0	0
9/16/2012	96	109	50	6	0	0	0
9/17/2012	84	97	45	6	0	0	0
9/18/2012	63	76	38	6	4	3	restart pu
9/19/2012	82	95	35	6	4	3	pu off hfp
9/20/2012	55	68	37	6	4	3	restart pu
9/21/2012	54	67	36	6	7	6	
9/22/2012	56	69	36	6	7	5	
9/23/2012	55	68	36	6	7	4	
9/24/2012	60	73	36	6	7	5	
9/25/2012	63	76	36	6	7	5	
9/26/2012	63	76	36	6	7	10	5.25 min bt
9/27/2012	71	84	36	6	7	7	
9/28/2012	63	76	36	6	7	9	
9/29/2012	63	76	36	6	7	10	
9/30/2012	63	76	36	6	7	10	
10/1/2012							

Total

918

127