

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **RISI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/18/2012

API No. 15
023-20589-0000

Company Rosewood Resources, Inc.		Lease Zimbelman		Well Number 3-24	
County Cheyenne	Location SWNW	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9-10-2004		Plug Back Total Depth 1502'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1507'	Perforations 1292'	To 1330'
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 / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1330'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-17		20 12 at 9:15		(AM) (PM) Taken 8-18	
Well on Line: Started 8-18		20 12 at 9:30		(AM) (PM) Taken 8-19	

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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 _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						114	128.4				
Flow						65	79.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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
						44		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_d)² =

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

(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 19 day of December, 20 12

Witness (if any)

For Commission

Jannul Belew

For Company

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 Zimbelman 3-24 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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St. Francis

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None

August-12

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DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
8/1/2012		60	73	42	6.5	14	21	4.75 min bt
8/2/2012		62	75	41	6.5	14	19	
8/3/2012		62	75	43	6.5	14	20	
8/4/2012		62	75	43	6.5	14	20	
8/5/2012		63	76	42	6.5	14	18	
8/6/2012		61	74	43	6.5	14	19	
8/7/2012		65	78	42	6.5	14	17	5.75 min bt
8/8/2012		64	77	41	6.5	14	17	
8/9/2012		63	76	43	6.5	14	16	
8/10/2012		67	80	42	6.5	14	15	
8/11/2012		63	76	41	6.5	14	16	
8/12/2012		64	77	43	6.5	14	17	
8/13/2012		60	73	43	6.5	14	16	
8/14/2012		59	72	44	6.5	14	19	
8/15/2012		65	78	44	6.5	14	19	5.25 min bt greased
8/16/2012		60	73	42	6.5	14	20	
8/17/2012		57	70	43	6.5	7		8 si for state test cp-69
8/18/2012		114 65	65	0	6.5	7	24	8 reopened cp-114
8/19/2012		65	78	44	6.5	14	16	
8/20/2012		61	74	47	6.5	14	19	5 min bt
8/21/2012		60	73	46	6.5	14	20	
8/22/2012		60	73	45	6.5	14	17	
8/23/2012		61	74	45	6.5	14	19	
8/24/2012		60	73	44	6.5	14	18	
8/25/2012		66	79	45	6.5	14	19	
8/26/2012		66	79	45	6.5	14	18	
8/27/2012		66	79	45	6.5	14	17	
8/28/2012		61	74	44	6.5	14	20	
8/29/2012		63	76	43	6.5	14	17	6 min bt
8/30/2012		62	75	44	6.5	14	16	
8/31/2012		62	75	44	6.5	14	19	

Total

1303

540

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 None
 September-12

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DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
9/1/2012	62	75	44	6.5	14		17	
9/2/2012	62	75	44	6.5	14		16	
9/3/2012	62	75	44	6.5	14		17	
9/4/2012	62	75	44	6.5	14	1	19	
9/5/2012	77	90	42	6.5	14		16	
9/6/2012	61	74	44	6.5	7		19	5.25 min bt, pu off hfp
9/7/2012	113	126	44	6.5	0	19	0	
9/8/2012	119	132	43	6.5	0	24	0	
9/9/2012	122	135	0	6.5	0	24	0	
9/10/2012	125	138	0	6.5	0	24	0	
9/11/2012	127	140	0	6.5	0	24	0	
9/12/2012	129	142	0	6.5	0	24	0	
9/13/2012	113	126	16	6.5	0	10	0	
9/14/2012	105	118	39	6.5	0		0	
9/15/2012	97	110	49	6.5	0		0	
9/16/2012	96	109	48	6.5	0		0	
9/17/2012	87	100	50	6.5	0		0	
9/18/2012	66	79	55	6.5	7		9	restart pu
9/19/2012	83	96	45	6.5	7		9	pu off hfp
9/20/2012	57	70	47	6.5	7		9	restart pu
9/21/2012	58	71	46	6.5	14		18	
9/22/2012	58	71	44	6.5	14		17	
9/23/2012	57	70	43	6.5	14		16	
9/24/2012	61	74	43	6.5	14		17	
9/25/2012	64	77	42	6.5	14		18	
9/26/2012	64	77	43	6.5	14		20	
9/27/2012	72	85	40	6.5	14		21	4.75 min bt
9/28/2012	65	78	44	6.5	14		22	
9/29/2012	64	77	44	6.5	14		21	
9/30/2012	65	78	44	6.5	14		21	
10/1/2012								

Total

1131

322

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Zimbelman 03-24

St. Francis

St. Francis

None

October-12

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DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
10/1/2012	65	78	44	6.5	14	21		
10/2/2012	65	78	44	6.5	14	22		
10/3/2012	65	78	42	6.5	14	23		
10/4/2012	62	75	44	6.5	14	21	4.75 min bt	
10/5/2012	62	75	44	6.5	14	22		
10/6/2012	61	74	44	6.5	14	23		
10/7/2012	63	76	43	6.5	14	22		
10/8/2012	64	77	43	6.5	14	22		
10/9/2012	63	76	43	6.5	14	21		
10/10/2012	63	76	42	6.5	14	20		
10/11/2012	64	77	42	6.5	14	25	4 min bt greased	
10/12/2012	63	76	43	6.5	14	22		
10/13/2012	65	78	42	6.5	14	21		
10/14/2012	67	80	40	6.5	14	20		
10/15/2012	64	77	42	6.5	14	24		
10/16/2012	68	81	40	6.5	14	1	26	
10/17/2012	62	75	42	6.5	14	21		
10/18/2012	62	75	42	6.5	14	20	5 min bt	
10/19/2012	62	75	42	6.5	14	19		
10/20/2012	63	76	43	6.5	14	18		
10/21/2012	62	75	42	6.5	14	20		
10/22/2012	62	75	42	6.5	14	21		
10/23/2012	62	75	42	6.5	14	19		
10/24/2012	61	74	43	6.5	14	19	5.25 min bt	
10/25/2012	60	73	43	6.5	14	20		
10/26/2012	62	75	42	6.5	14	17		
10/27/2012	61	74	42	6.5	14	18		
10/28/2012	60	73	43	6.5	14	19		
10/29/2012	75	88	43	6.5	7	2	10 pu off hfp	
10/30/2012	77	90	37	6.5	0	2	0	
10/31/2012	58	71	44	6.5	7		10 restart pu	

Total

1314

606