

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **AS**
 Deliverability

Test Date:
8/18/2012

API No. 15
023-20562-0000

Company Rosewood Resources, Inc.		Lease Zimbelman		Well Number 2-24	
County Cheyenne	Location SWSW	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 1536'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1536'	Perforations 1332'	To 1370'
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"/> No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1370'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-17 20 12 at 9:05 (AM) (PM) Taken 8-18 20 12 at 9:20 (AM) (PM)		Well on Line: Started 8-18 20 12 at 9:20 (AM) (PM) Taken 8-19 20 12 at 10:05 (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 _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						155	169.4				
Flow						60	74.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						15		

(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

Jannell Grewer

For Company

Checked by

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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 Zimbelman 2-24 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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Zimbelman 02-24

St. Francis

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None

August-12

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DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2012		55	68	13	6	0		0	pu off pump bad
8/2/2012		57	70	13	6	0		0	
8/3/2012		57	70	13	6	0		0	
8/4/2012		57	70	13	6	0		0	
8/5/2012		57	70	13	6	0		0	
8/6/2012		55	68	13	6	0		0	
8/7/2012		60	73	13	6	0		0	
8/8/2012		59	72	13	6	0		0	
8/9/2012		59	72	13	6	0		0	
8/10/2012		57	70	13	6	0	1.5	0	
8/11/2012		57	70	13	6	0		0	
8/12/2012		60	73	13	6	0		0	
8/13/2012		54	67	13	6	0		0	
8/14/2012		53	66	13	6	0		0	
8/15/2012		60	73	13	6	0		0	
8/16/2012		54	67	13	6	0		0	
8/17/2012		51	64	13	6	0		0	0 si for state test cp-63
8/18/2012		155	79	0	6	0	24	0	opened cp-155
8/19/2012		60	73	16	6	0		0	
8/20/2012		53	66	15	6	0		0	
8/21/2012		53	66	15	6	0		0	
8/22/2012		53	66	15	6	0		0	
8/23/2012		54	67	14	6	0		0	
8/24/2012		54	67	14	6	0		0	
8/25/2012		60	73	14	6	0		0	
8/26/2012		61	74	14	6	0		0	
8/27/2012		61	74	14	6	0		0	
8/28/2012		55	68	14	6	0		0	
8/29/2012		57	70	14	6	0		0	
8/30/2012		56	69	14	6	0		0	
8/31/2012		57	70	14	6	0		0	

Total

408

0

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None

September-12

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DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS DOWN	Water BLS	REMARKS (Maximum length 110 characters)
	PSI	PSI						
9/1/2012		56	69	14	6	0	0	
9/2/2012		56	69	14	6	0	0	
9/3/2012		56	69	14	6	0	0	
9/4/2012		56	69	14	6	0	1	
9/5/2012		72	85	14	6	0	0	
9/6/2012		55	68	14	6	0	0	
9/7/2012		154	167	7	6	0	19	
9/8/2012		171	184	0	6	0	24	
9/9/2012		177	190	2	6	0	24	
9/10/2012		174	187	2	6	0	24	
9/11/2012		183	196	3	6	0	24	
9/12/2012		184	197	4	6	0	24	
9/13/2012		111	124	2	6	0	10	
9/14/2012		101	114	24	6	0		
9/15/2012		92	105	18	6	0		
9/16/2012		92	105	17	6	0		
9/17/2012		79	92	16	6	0		
9/18/2012		59	72	15	6	0		
9/19/2012		78	91	15	6	0		
9/20/2012		50	63	15	6	0		
9/21/2012		52	65	15	6	0		
9/22/2012		52	65	14	6	0		
9/23/2012		51	64	14	6	0		
9/24/2012		56	69	14	6	0		
9/25/2012		59	72	14	6	0		
9/26/2012		59	72	14	6	0		
9/27/2012		68	81	13	6	0		
9/28/2012		59	72	13	6	0		
9/29/2012		59	72	13	6	0		
9/30/2012		60	73	13	6	0		
10/1/2012								

Total

361

0

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None

October-12

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DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS DOWN	Water BLS	REMARKS (Maximum length 110 characters)
	PSI	PSI						
10/1/2012		59	72	13	6	0	0	needs w/o
10/2/2012		60	73	13	6	0	0	
10/3/2012		60	73	13	6	0	0	
10/4/2012		57	70	13	6	0	0	
10/5/2012		57	70	13	6	0	0	
10/6/2012		56	69	13	6	0	0	
10/7/2012		58	71	13	6	0	0	
10/8/2012		58	71	13	6	0	0	
10/9/2012		58	71	13	6	0	0	
10/10/2012		58	71	13	6	0	0	
10/11/2012		59	72	13	6	0	0	
10/12/2012		58	71	13	6	0	0	
10/13/2012		61	74	13	6	0	0	
10/14/2012		62	75	13	6	0	0	
10/15/2012		59	72	13	6	0	0	
10/16/2012		63	76	13	6	0	1	0
10/17/2012		57	70	13	6	0	0	0
10/18/2012		57	70	12	6	0	0	0
10/19/2012		57	70	12	6	0	0	0
10/20/2012		58	71	13	6	0	0	0
10/21/2012		57	70	13	6	0	0	0
10/22/2012		57	70	13	6	0	0	0
10/23/2012		57	70	12	6	0	0	0
10/24/2012		56	69	12	6	0	0	0
10/25/2012		55	68	12	6	0	0	0
10/26/2012		57	70	12	6	0	0	0
10/27/2012		55	68	12	6	0	0	0
10/28/2012		55	68	12	6	0	0	0
10/29/2012		74	87	12	6	0	2	0
10/30/2012		72	85	12	6	0	0	0
10/31/2012		53	66	12	6	0	0	0

Total

392

0