

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **SI**
 Deliverability

Test Date:
7/22/2009

API No. 15
023-20609-00-06

Company Rosewood Resources		Lease Zimbelman		Well Number 4-24	
County Cheyenne	Location NW NW	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 5/18/2005		Plug Back Total Depth 1403'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1403'	Perforations 1202'	To 1234'
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="checkbox"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1234'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-21 20 09 at 8:30 (AM) (PM)		Taken 7-22 20 09 at 8:45 (AM) (PM)			
Well on Line: Started 7-22 20 09 at 8:45 (AM) (PM)		Taken 7-23 20 09 at 9:30 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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 _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						45	59.4				
Flow						170	184.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _d) (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
						57		

(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" ----- 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 18 day of November, 20 09.

Witness (if any)

For Commission

Tom W. Reel

For Company

Checked by

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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.

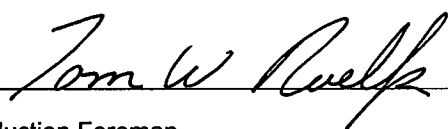
I hereby request a one-year exemption from open flow testing for the Zimbelman 4-24 gas well on the grounds that said well:

(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: 11/18/09

Signature: 
Title: Production Foreman

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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W383
 Zimbelman 04-24
 St. Francis
 St. Francis
 None
 July-09

DATE	Tubing	Casing					HRS	Water	REMARKS (Maximum length 110 characters)
	PSI	PSI	STATIC	MCF	SPM	CYCLE DOWN	BBLs		
7/1/2009			67	57	6.5	16	0	33	
7/2/2009			67	57	6.5	16	0	32	
7/3/2009			68	57	6.5	16	0	31	
7/4/2009			67	57	6.5	16	0	32	
7/5/2009			67	57	6.5	16	0	33	
7/6/2009			67	57	6.5	16	0	32	
7/7/2009			68	57	0	0	0	33	
7/8/2009			167	46	0	0	6	0	
7/9/2009			86	20	0	0	3	0	
7/10/2009			68	48	0	0	0	0	
7/11/2009			67	56	0	0	0	0	
7/12/2009			59	40	6.5	16	0	18	restart p u
7/13/2009			67	56	6.5	16	0	31	
7/14/2009			68	56	6.5	16	0	32	
7/15/2009			72	56	6.5	16	0	33	
7/16/2009			75	56	6.5	16	0	32	
7/17/2009			68	62	6.5	16	0	31	
7/18/2009			68	62	6.5	16	0	32	
7/19/2009			65	61	6.5	16	0	33	bucket test 3.5 min
7/20/2009			68	56	6.5	16	7	33	
7/21/2009			65	58	6.5	16	0	32	
7/22/2009		45	61	58	0	0	0	33	shut in for test
7/23/2009		170	71	16	6.5	16	0	0	opened
7/24/2009			68	44	6.5	16	0	32	
7/25/2009			68	66	6.5	16	0	31	
7/26/2009			68	62	6.5	16	0	31	
7/27/2009			66	55	6.5	16	4	32	
7/28/2009			67	59	6.5	16	0	33	
7/29/2009			68	58	6.5	16	0	32	
7/30/2009			75	58	6.5	16	0	31	
7/31/2009			70	59	6.5	16	0	33	bucket test 3.5 min

Total

1667

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W383
 Zimbelman 04-24
 St. Francis
 St. Francis
 None
 August-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2009			67	58	0	0	0	0	
8/2/2009			67	58	0	0	0	0	
8/3/2009			67	57	0	0	0	0	
8/4/2009			67	57	0	0	0	0	
8/5/2009			151	57	0	0	0	0	
8/6/2009			64	57	0	0	0	0	
8/7/2009			67	58	0	0	0	0	
8/8/2009			67	57	0	0	0	0	
8/9/2009			67	57	0	0	0	0	
8/10/2009			67	58	0	0	0	0	0 pu off
8/11/2009			60	51	0	0	0	0	
8/12/2009			60	50	0	0	0	0	
8/13/2009			58	42	0	0	0	0	
8/14/2009			62	46	0	0	0	0	
8/15/2009			65	51	0	0	0	0	
8/16/2009			65	51	0	0	0	0	0 pu off
8/17/2009			137	34	0	0	0	0	
8/18/2009			136	34	0	0	0	0	
8/19/2009			137	48	0	0	0	0	
8/20/2009			61	45	6.5	16	0	0	0 started pump
8/21/2009			67	51	6.5	16	0	33	
8/22/2009			61	48	6.5	16	4	32	
8/23/2009			123	50	6.5	16	0	31	
8/24/2009			115	51	6.5	16	0	32	
8/25/2009			110	49	6.5	16	4	33	greased
8/26/2009			64	55	6.5	16	0	32	
8/27/2009			64	55	6.5	16	0	31	
8/28/2009			66	55	6.5	16	0	32	
8/29/2009			136	52	6.5	16	0	33	
8/30/2009			110	54	6.5	16	0	32	
8/31/2009			65	56	6.5	16	0	31	

Total

1602

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W383
 Zimbelman 04-24
 St. Francis
 St. Francis
 None
 September-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs
9/1/2009		0	65	56	6.5	16	0	33
9/2/2009		0	64	56	6.5	16	0	32
9/3/2009		0	68	56	6.5	16	0	31
9/4/2009		0	92	50	6.5	16	6	31
9/5/2009		0	69	57	6.5	16	0	31
9/6/2009		0	67	56	6.5	16	0	30
9/7/2009		0	66	56	6.5	16	0	30
9/8/2009		0	66	56	0	0	0	32
9/9/2009		0	68	48	0	0	0	0
9/10/2009		0	64	43	0	0	0	0
9/11/2009		0	62	40	0	0	0	0
9/12/2009		0	61	39	0	0	0	0
9/13/2009		0	67	36	0	0	1.5	0
9/14/2009		0	60	34	0	0	0	0
9/15/2009		0	61	34	0	0	0	0
9/16/2009		0	59	32	0	0	0	0
9/17/2009		0	59	32	0	0	0	0
9/18/2009		0	58	31	0	0	0	0
9/19/2009		0	58	31	0	0	0	0
9/20/2009		0	58	30	0	0	0	0
9/21/2009		0	59	31	0	0	0	0
9/22/2009		0	57	30	0	0	0	0
9/23/2009		0	57	30	0	0	0	0
9/24/2009		0	57	29	0	0	0	0
9/25/2009		0	73	22	0	0	6	0
9/26/2009		0	112	33	0	0	0	0
9/27/2009		0	96	29	0	0	0	0
9/28/2009		0	88	28	0	0	0	0
9/29/2009		0	64	27	0	0	0	0
9/30/2009		0	67	19	0	0	8	0
10/1/2009		0	0	0	0	0	0	0

Total

1151

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