

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **AS**
- Deliverability

Test Date:
3/17/2009

API No. 15
023-20609-000

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 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="radio"/> Yes / No Pumping Unit		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen		Gas Gravity - G _g .6
Vertical Depth(H) 1234'		Pressure Taps Flange			(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 3-17		20 09	at 8:30	<input checked="" type="radio"/> (AM) (PM)	Taken 3-18	20 09 at 8:45 <input checked="" type="radio"/> (AM) (PM)
Well on Line: Started 3-18		20 09	at 8:45	<input checked="" type="radio"/> (AM) (PM)	Taken 3-19	20 09 at 9:30 <input checked="" type="radio"/> (AM) (PM)

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						250	264.4				
Flow						114	128.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (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
						59		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_o)² = 0.207
(P_o)² = _____

(P _c) ² - (P _o) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _o 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 (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 31 day of December, 20 09.

Witness (if any)

For Commission

Wayne Instala
For Company

Checked by

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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 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: 12/31/09

Signature: Wayne Graham

Title: Assistant 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

March-09

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
3/1/2009			61	16	0	0	0	
3/2/2009			61	12	0	0	0	
3/3/2009			61	11	0	0	0	
3/4/2009			61	11	0	0	0	0 bp
3/5/2009			61	11	0	0	0	
3/6/2009			58	11	0	0	0	
3/7/2009			58	11	0	0	0	
3/8/2009			58	11	0	0	0	
3/9/2009			57	11	0	0	0	
3/10/2009			56	11	0	0	0	
3/11/2009			56	11	0	0	0	
3/12/2009			56	11	0	0	0	
3/13/2009			62	12	0	0	0	
3/14/2009			60	12	0	0	0	
3/15/2009			60	12	0	0	0	
3/16/2009			199	11	0	0	0	
3/17/2009		250	222	0	0	0	24	
3/18/2009			222	0	0	0	24	
3/19/2009		114	73	11	0	0	4.5	
3/20/2009			67	17	0	0	0	0 P U off hole in tubing
3/21/2009			67	16	0	0	0	
3/22/2009			67	15	0	0	0	
3/23/2009			67	15	0	0	0	
3/24/2009			69	11	0	0	0	
3/25/2009			69	14	0	0	0	
3/26/2009			67	14	0	0	0	
3/27/2009			67	14	0	0	0	
3/28/2009			62	14	0	0	0	
3/29/2009			62	14	0	0	0	
3/30/2009			60	14	0	0	0	
3/31/2009			59	14	0	0	0	

Total

368

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KCC WICHITA

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

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
4/1/2009			63	14	0	0	0
4/2/2009			63	14	0	0	0
4/3/2009			65	11	0	0	0
4/4/2009			62	14	0	0	0
4/5/2009			63	14	0	0	0
4/6/2009			62	14	0	0	0
4/7/2009			64	14	0	0	0
4/8/2009			64	14	0	0	0
4/9/2009			65	13	6.5	24	0 started pumping unit
4/10/2009			66	22	6.5	24	0 33
4/11/2009			68	30	6.5	24	0 34
4/12/2009			68	36	6.5	24	0 33
4/13/2009			75	42	6.5	24	0 34
4/14/2009			83	47	6.5	24	0 34 bucket test 5min greased bp
4/15/2009			60	51	6.5	24	0 33
4/16/2009			60	54	6.5	24	0 32
4/17/2009			75	56	6.5	24	0 34
4/18/2009			68	58	6.5	24	0 35
4/19/2009			72	60	6.5	24	0 35
4/20/2009			72	62	6.5	24	0 33
4/21/2009			86	69	6.5	24	0 49 bucket test 3.5 min
4/22/2009			68	73	6.5	24	0 48
4/23/2009			77	74	6.5	16	0 33 put on timer 16 hrs on 8 hrs off
4/24/2009			63	68	6.5	16	0 32
4/25/2009			61	65	6.5	16	0 31
4/26/2009			61	63	6.5	16	0 32
4/27/2009			63	61	6.5	16	0 33
4/28/2009			61	62	6.5	16	0 32
4/29/2009			61	62	6.5	16	0 33 bucket test 3.5 min
4/30/2009			70	59	6.5	16	0 32
5/1/2009							0

Total

1296

725

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 KCC WICHITA

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

DATE	Tubing	Casing	STATIC	MCF	SPM	HRS CYCLEDOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
5/1/2009			62	59	6.5	16	0	32
5/2/2009			59	60	6.5	16	0	33
5/3/2009			59	59	6.5	16	0	32
5/4/2009			74	59	6.5	16	0	31
5/5/2009			60	59	6.5	16	0	32 bucket test 4 min bp
5/6/2009			60	59	6.5	16	0	33
5/7/2009			60	59	6.5	16	0	32
5/8/2009			59	58	6.5	16	0	31
5/9/2009			59	58	6.5	16	0	32
5/10/2009			57	58	6.5	16	0	33
5/11/2009			64	58	6.5	16	0	32
5/12/2009			71	58	6.5	16	0	31 bp
5/13/2009			71	58	6.5	16	0	32 bucket test 4 min
5/14/2009			70	58	6.5	16	0	31
5/15/2009			71	58	6.5	16	0	32
5/16/2009			72	58	6.5	16	0	31
5/17/2009			71	58	6.5	16	0	32
5/18/2009			72	58	6.5	16	0	33
5/19/2009			95	57	6.5	16	0	34
5/20/2009			114	56	0	0	12	17 shut pumping unit off hfp
5/21/2009			70	64	6.5	16	0	0 started pumping unit
5/22/2009			72	58	6.5	16	0	32
5/23/2009			71	60	6.5	16	0	33
5/24/2009			70	60	6.5	16	0	34
5/25/2009			70	60	6.5	16	0	33
5/26/2009			70	60	6.5	16	0	32
5/27/2009			70	61	6.5	16	0	33
5/28/2009			70	60	6.5	16	0	32 bp
5/29/2009			69	60	6.5	16	0	31
5/30/2009			70	60	6.5	16	0	32
5/31/2009			69	60	6.5	16	0	31

Total

1828

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