

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **ASI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
6/19/2013

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="checkbox"/> 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 6-18		20 13 at 9:15		(AM) (PM) Taken 6-19	
Well on Line: Started 6-19		20 13 at 9:30		(AM) (PM) Taken 6-20	
		20 13 at 9:30		(AM) (PM) Taken 6-20	
		20 13 at 9:30		(AM) (PM) Taken 6-20	

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						118	132.4				
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
						32		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _o) 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

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 21 day of November, 20 13.

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Jannell Maitrey
For Company

Witness (if any)

DEC 26 2013

For Commission

CONSERVATION DIVISION
WICHITA, KS

Checked by

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: 11/21/13

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Signature: _____



Title: Production Assistant

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WICHITA, KS

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.

W382
 Zimbelman 03-24
 St. Francis
 St. Francis
 None
 June-13

DATE	Casing			HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF			
6/1/2013	50	63	35	6.5	6	6
6/2/2013	54	67	34	6.5	6	7
6/3/2013	52	65	34	6.5	6	5
6/4/2013	51	64	34	6.5	6	8
6/5/2013	63	76	33	6.5	6	6
6/6/2013	68	81	33	6.5	6	9 5 min bt
6/7/2013	54	67	34	6.5	6	10
6/8/2013	55	68	33	6.5	6	11
6/9/2013	56	69	33	6.5	6	12
6/10/2013	58	71	33	6.5	6	2 10
6/11/2013	78	91	31	6.5	3	1 5 pu off hfp
6/12/2013	75	88	32	6.5	0	0
6/13/2013	57	70	33	6.5	3	5 restart pu
6/14/2013	61	74	32	6.5	6	10
6/15/2013	62	75	32	6.5	6	11
6/16/2013	63	76	32	6.5	6	12
6/17/2013	59	72	32	6.5	3	5 pu off
6/18/2013	52	65	31	6.5	0	0 si for state test - cp 54
6/19/2013	43	56	0	6.5	3	24 5 reopened - cp 118 restarted pu
6/20/2013	52	65	39	6.5	6	9 5 min bt greased
6/21/2013	58	71	35	6.5	6	13
6/22/2013	78	91	34	6.5	6	14
6/23/2013	82	95	32	6.5	3	5 pu off hfp
6/24/2013	79	92	32	6.5	0	0 calibrated meter
6/25/2013	81	94	31	6.5	0	0
6/26/2013	80	93	31	6.5	0	0
6/27/2013	65	78	30	6.5	6	4 restart pu
6/28/2013	54	67	30	6.5	6	8
6/29/2013	55	68	31	6.5	6	9
6/30/2013	54	67	31	6.5	6	10
7/1/2013						

Total

947

209

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W382
 Zimbelman 03-24
 St. Francis
 St. Francis
 None
 July-13

DATE	Casing			SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF				
7/1/2013	56	69	32	6.5	6	9	
7/2/2013	56	69	32	6.5	6	9	4.75 min bt
7/3/2013	91	104	32	6.5	6	10	
7/4/2013	90	103	32	6.5	6	8	
7/5/2013	90	103	32	6.5	6	11	
7/6/2013	59	72	32	6.5	6	9	
7/7/2013	70	83	32	6.5	6	10	
7/8/2013	69	82	32	6.5	6	8	
7/9/2013	69	82	32	6.5	6	7	
7/10/2013	60	73	32	6.5	6	11	
7/11/2013	62	75	32	6.5	6	12	
7/12/2013	68	81	32	6.5	3	5	shut pu off hfp and treated well
7/13/2013	76	89	29	6.5	0	2.5	0
7/14/2013	78	91	29	6.5	0	0	0
7/15/2013	58	71	30	6.5	3	5	started pu
7/16/2013	58	71	30	6.5	6	10	
7/17/2013	54	67	30	6.5	6	9	5 min bt greased
7/18/2013	80	93	30	6.5	3	5	pu off hfp
7/19/2013	72	85	29	6.5	0	0	
7/20/2013	75	88	29	6.5	0	0	
7/21/2013	77	90	28	6.5	0	0	
7/22/2013	73	86	28	6.5	0	0	
7/23/2013	65	78	28	6.5	3	5	restart pu
7/24/2013	73	86	28	6.5	6	10	
7/25/2013	79	92	29	6.5	3	5	pu off hfp
7/26/2013	61	74	28	6.5	3	5	restart pu
7/27/2013	57	70	29	6.5	6	9	
7/28/2013	59	72	29	6.5	6	8	
7/29/2013	58	71	30	6.5	6	9	
7/30/2013	57	70	30	6.5	3	3.5	5 pu off hfp
7/31/2013	87	100	22	6.5	0	5.5	0

Total

929

194

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W382
 Zimbelman 03-24
 St. Francis
 St. Francis
 None
 August-13

DATE	Casing			HRS CYCLEDOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	STATIC MCF	SPM			
8/1/2013	79	92	30	6.5		
8/2/2013	79	92	29	6.5		
8/3/2013	71	84	27	6.5		
8/4/2013	74	87	27	6.5		
8/5/2013	68	81	27	6.5		
8/6/2013	55	68	27	6.5	3	5 restart pu
8/7/2013	52	65	28	6.5	6	9
8/8/2013	55	68	29	6.5	6	10
8/9/2013	60	73	29	6.5	6	10
8/10/2013	56	69	29	6.5	6	11
8/11/2013	54	67	29	6.5	6	12
8/12/2013	55	68	29	6.5	6	10
8/13/2013	54	67	29	6.5	6	13
8/14/2013	55	68	30	6.5	6	9 4.5 min bt greased
8/15/2013	55	68	30	6.5	6	0.5 10
8/16/2013	66	79	29	6.5	6	12
8/17/2013	66	79	30	6.5	6	11
8/18/2013	66	79	30	6.5	6	13
8/19/2013	67	80	30	6.5	3	1.5 6
8/20/2013	79	92	29	6.5	0	1 0
8/21/2013	87	100	28	6.5	0	0
8/22/2013	90	103	26	6.5	0	5 0
8/23/2013	75	88	30	6.5	0	0
8/24/2013	83	96	31	6.5	0	1 0
8/25/2013	90	103	28	6.5	0	1 0
8/26/2013	57	70	30	6.5	3	5 restart pu
8/27/2013	53	66	30	6.5	6	11
8/28/2013	52	65	30	6.5	6	12
8/29/2013	79	92	30	6.5	3	1 5 pu off hfp
8/30/2013	86	99	28	6.5	0	0
8/31/2013	87	100	28	6.5	0	0

Total

896

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