

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **SI**
 Deliverability

Test Date:
6/10/2013

API No. 15
023-21110-0000

Company Rosewood Resources, Inc.		Lease Zweygardt		Well Number 34-24	
County Cheyenne	Location SWSE	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/29/2008		Plug Back Total Depth 1529'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1569'	Perforations 1344'	To 1374'
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? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1600'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup:	Shut in 6-9	20 13	at 10:05	(AM) (PM) Taken 6-10	20 13
Well on Line:	Started 6-10	20 13	at 10:20	(AM) (PM) Taken 6-11	20 13
					at 10:20 (AM) (PM)
					at 11:05 (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 _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						120	134.4				
Flow						58	72.4			24	

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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G _m
						25		

(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 _d) ² or (P _c) ² - (P _w) 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	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 21 day of November, 20 13.

RECEIVED
KANSAS CORPORATION COMMISSION
DEC 26 2013

Jamun Martiney
For Company

Witness (if any)

CONSERVATION DIVISION
WICHITA, KS

For Commission

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 Zweygardt 34-24 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

RECEIVED
KANSAS CORPORATION SIGNATURE

Jannell Martiney

DEC 26 2013 Title: Production Assistant

CONSERVATION DIVISION
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.

W2603
 Zweygardt 34-24
 St. Francis
 St. Francis
 None
 June-13
 FloBoss

DATE	Casing PSI	STATIC MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2013	48	61	26	6	12	16	
6/2/2013	52	65	25	6	12	17	
6/3/2013	50	63	25	6	12	19	
6/4/2013	48	61	25	6	6	8 pu off	belts burned off
6/5/2013	55	68	23	6	0	0	
6/6/2013	61	74	23	6	6	8	replace belts restart pu
6/7/2013	58	71	24	6	12	16	
6/8/2013	53	66	24	6	12	14	
6/9/2013	56	69	24	6	12	17	si for state test - cp 56
6/10/2013	87	100	0	6	12	24	15 reopened - cp 120
6/11/2013	76	89	28	6	6	1	7 pu off hfp
6/12/2013	75	88	26	6	0	0	
6/13/2013	57	70	24	6	6	7	restart pu
6/14/2013	57	70	24	6	12	15	
6/15/2013	61	74	26	6	12	16	
6/16/2013	64	77	26	6	12	17	
6/17/2013	58	71	26	6	6	8	pu off
6/18/2013	53	66	24	6	0	0	
6/19/2013	50	63	24	6	6	8	restart pu
6/20/2013	56	69	24	6	12	16	
6/21/2013	63	76	25	6	12	17	5 min bt greased
6/22/2013	77	90	25	6	12	18	
6/23/2013	81	94	25	6	6	8	pu off hfp
6/24/2013	77	90	25	6	0	0	
6/25/2013	82	95	23	6	0	0	
6/26/2013	79	92	23	6	0	0	
6/27/2013	61	74	23	6	12	8	restart pu
6/28/2013	53	66	23	6	12	12	
6/29/2013	53	66	24	6	12	17	
6/30/2013	53	66	25	6	12	16	
7/1/2013							

Total

712

320

RECEIVED
 KANSAS CORPORATION COMMISSION

DEC 26 2013

CONSERVATION DIVISION
 WICHITA, KS

W2603
 Zwegardt 34-24
 St. Francis
 St. Francis
 None
 July-13
 FloBoss

DATE	Casing			SPM	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		CYCLEDOWN		
7/1/2013	55	68	24	6	12	16	
7/2/2013	58	71	25	6	12	17	
7/3/2013	55	68	25	6	12	15	
7/4/2013	58	71	25	6	12	18	
7/5/2013	58	71	25	6	12	16	treated well
7/6/2013	58	71	25	6	12	17	
7/7/2013	69	82	25	6	12	15	
7/8/2013	67	80	26	6	12	16	5.25 min bt
7/9/2013	65	78	26	6	12	12	
7/10/2013	62	75	25	6	12	17	
7/11/2013	65	78	23	6	12	15	
7/12/2013	71	84	23	6	6	8	
7/13/2013	75	88	24	6	0	2.5	0
7/14/2013	77	90	23	6	0	0	
7/15/2013	58	71	23	6	6	9	started pu
7/16/2013	54	67	23	6	12	18	
7/17/2013	52	65	23	6	12	17	5 min bt greased
7/18/2013	81	94	23	6	6	9	pu off hfp
7/19/2013	73	86	23	6	0	0	
7/20/2013	74	87	21	6	0	0	
7/21/2013	75	88	21	6	0	0	
7/22/2013	70	83	21	6	0	0	
7/23/2013	69	82	21	6	6	9	restart pu
7/24/2013	76	89	23	6	12	17	
7/25/2013	78	91	23	6	6	9	pu off hfp
7/26/2013	67	80	22	6	6	9	restart pu
7/27/2013	56	69	22	6	12	17	
7/28/2013	58	71	25	6	12	16	
7/29/2013	56	69	23	6	12	16	
7/30/2013	94	107	23	6	6	3.5	9 pu off hfp
7/31/2013	116	129	21	6	0	5.5	0

Total

725

337

RECEIVED
 KANSAS CORPORATION COMMISSION

DEC 26 2013

CONSERVATION DIVISION
 WICHITA, KS

W2603

Zweygardt 34-24

St. Francis

St. Francis

None

August-13

FloBoss

DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2013	78	91	26	6			
8/2/2013	78	91	22	6			
8/3/2013	73	86	22	6			
8/4/2013	74	87	22	6			
8/5/2013	65	78	21	6			
8/6/2013	56	69	21	6			
8/7/2013	51	64	21	6	6		8 restart pu
8/8/2013	55	68	21	6	12		17
8/9/2013	58	71	22	6	12		16
8/10/2013	56	69	22	6	12		15
8/11/2013	54	67	23	6	12		16
8/12/2013	54	67	23	6	12		16
8/13/2013	54	67	23	6	12		15
8/14/2013	54	67	23	6	12		17 5 min bt greased
8/15/2013	55	68	24	6	12	0.5	19
8/16/2013	65	78	24	6	12		20
8/17/2013	65	78	24	6	12		21
8/18/2013	66	79	24	6	12		24
8/19/2013	67	80	24	6	6	1.5	8
8/20/2013	89	102	24	6	0	1	0
8/21/2013	86	99	22	6	0		0
8/22/2013	89	102	22	6	0	5	0
8/23/2013	74	87	25	6	0		0
8/24/2013	83	96	23	6	0	1	0
8/25/2013	88	101	22	6	0	1	0
8/26/2013	56	69	23	6	0		0
8/27/2013	52	65	23	6	6		9 restart pu, didn't wait for water
8/28/2013	51	64	23	6	12		14
8/29/2013	92	105	23	6	6	1	9 pu off hfp
8/30/2013	86	99	21	6	0		0
8/31/2013	86	99	21	6	0		0

Total

704

244

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 26 2013

CONSERVATION DIVISION
WICHITA, KS