

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **RSL**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/20/2012

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 type="checkbox"/> No <input checked="" type="checkbox"/>		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1600'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-19		20 12 at 10:05	(AM) (PM) Taken 8-20	20 12 at 10:20	(AM) (PM)
Well on Line: Started 8-20		20 12 at 10:20	(AM) (PM) Taken 8-21	20 12 at 11:05	(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						115	129.4				
Flow						66	80.4			24	

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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						31		

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

Jamell Gelver
For Company

Checked by

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Form G-2
(Rev. 7/03)

JAN 03 2013

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 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: 12/19/12

Signature: Jamell Geew
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.

W2603

Zweygardt 34-24

St. Francis

St. Francis

None

August-12

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DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2012	65	78	28	6	20	30	
8/2/2012	59	72	28	6	12	14	6 min bt chg timer to 12 hrs on
8/3/2012	59	72	30	6	12	13	
8/4/2012	57	70	30	6	12	12	
8/5/2012	66	79	30	6	12	13	
8/6/2012	58	71	30	6	12	12	
8/7/2012	68	81	30	6	12	16	5.5 min bt
8/8/2012	61	74	30	6	12	16	
8/9/2012	74	87	31	6	12	15	
8/10/2012	59	72	30	6	12	1.5	14
8/11/2012	61	74	31	6	12	15	
8/12/2012	61	74	31	6	12	16	
8/13/2012	56	69	31	6	12	16	
8/14/2012	59	72	31	6	12	16	5.5 min bt greased
8/15/2012	68	81	31	6	12	14	
8/16/2012	59	72	31	6	12	13	
8/17/2012	56	69	31	6	12	12	
8/18/2012	64	77	31	6	12	11	
8/19/2012	63	76	31	6	6	5	si for state test cp-64
8/20/2012	115	67	0	6	12	24	5 reopened cp-115
8/21/2012	66	79	35	6	12	12	
8/22/2012	61	74	35	6	12	16	5.5 min bt
8/23/2012	65	78	34	6	12	17	
8/24/2012	64	77	34	6	12	18	
8/25/2012	63	76	33	6	12	17	
8/26/2012	64	77	33	6	12	16	
8/27/2012	58	71	33	6	12	15	
8/28/2012	59	72	33	6	12	16	
8/29/2012	60	73	33	6	12	16	5.5 min bt
8/30/2012	59	72	33	6	12	14	
8/31/2012	59	72	33	6	12	15	

Total

945

450

W2603

Zweygardt 34-24

St. Francis

St. Francis

None

September-12

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DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCLF	DOWN	Water BBL	REMARKS (Maximum length 110 characters)
9/1/2012	59	72	33	6	12		16	
9/2/2012	61	74	33	6	12		15	
9/3/2012	59	72	33	6	12		16	5.5 min bt
9/4/2012	58	71	30	6	12	1	18	
9/5/2012	75	88	30	6	12		17	
9/6/2012	75	88	30	6	6		8	pu off hfp
9/7/2012	114	127	6	6	0	19	0	
9/8/2012	119	132	0	6	0	24	0	
9/9/2012	122	135	0	6	0	24	0	
9/10/2012	125	138	0	6	0	24	0	
9/11/2012	128	141	0	6	0	24	0	
9/12/2012	129	142	0	6	0	24	0	
9/13/2012	111	124	14	6	0	10	0	
9/14/2012	102	115	37	6	0		0	
9/15/2012	95	108	44	6	0		0	
9/16/2012	89	102	40	6	0		0	
9/17/2012	80	93	38	6	0		0	
9/18/2012	62	75	34	6	6		8	restart pu
9/19/2012	78	91	33	6	6		8	pu off hfp
9/20/2012	54	67	31	6	6		8	restart pu
9/21/2012	55	68	31	6	12		16	
9/22/2012	54	67	32	6	12		17	
9/23/2012	54	67	32	6	12		18	
9/24/2012	57	70	31	6	12		17	
9/25/2012	61	74	31	6	12		17	
9/26/2012	62	75	31	6	12		17	5 min bt
9/27/2012	69	82	30	6	12		16	
9/28/2012	61	74	30	6	12		15	
9/29/2012	61	74	30	6	12		14	
9/30/2012	61	74	30	6	12		19	
10/1/2012								

Total

774

280

W2603

Zweygardt 34-24

St. Francis

St. Francis

None

October-12

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DATE	Casing			HRS	Water	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF			
10/1/2012	62	75	30	6	12	16
10/2/2012	61	74	30	6	12	18
10/3/2012	62	75	30	6	12	16 5 min bt
10/4/2012	59	72	30	6	12	15
10/5/2012	60	73	30	6	12	16
10/6/2012	60	73	30	6	12	17
10/7/2012	60	73	30	6	12	18
10/8/2012	60	73	30	6	12	16
10/9/2012	63	76	30	6	12	17
10/10/2012	62	75	30	6	12	16 5 min bt greased
10/11/2012	61	74	30	6	12	14
10/12/2012	60	73	30	6	12	15
10/13/2012	62	75	30	6	12	12
10/14/2012	64	77	30	6	12	17
10/15/2012	61	74	30	6	12	15
10/16/2012	80	93	30	6	12	1 17
10/17/2012	62	75	30	6	12	16 5.25 min bt
10/18/2012	59	72	30	6	12	19
10/19/2012	59	72	30	6	12	16
10/20/2012	62	75	29	6	12	15
10/21/2012	59	72	27	6	12	14
10/22/2012	61	74	26	6	12	15
10/23/2012	59	72	26	6	6	8 pu off reset pwr restart
10/24/2012	59	72	26	6	12	17
10/25/2012	56	69	26	6	12	18
10/26/2012	59	72	26	6	12	17 5 min bt
10/27/2012	57	70	26	6	12	14
10/28/2012	57	70	27	6	12	16
10/29/2012	83	96	27	6	6	2 8 pu off hfp
10/30/2012	72	85	27	6	0	0
10/31/2012	59	72	25	6	6	8 restart pu

Total

888

456