

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow **AST**
 Deliverability

Test Date:
5/9/2011

API No. 15
023-21110-00 - 00

Company Rosewood Resources, Inc.		Lease Zwegardt		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 2 3/8"	Weight	Internal Diameter	Set at 1393'	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production Dry Gas		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flowing Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1600'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-8		20 11 at 10:05		(AM) (PM) Taken 5-9	
Well on Line: Started 5-9		20 11 at 10:20		(AM) (PM) Taken 5-10	
20 11 at 10:20		(AM) (PM) Taken 5-9		20 11 at 10:20 (AM) (PM)	
20 11 at 11:05		(AM) (PM) Taken 5-10		20 11 at 11:05 (AM) (PM)	

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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						140	154.4				
Flow						68	82.4			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 _t	Deviation Factor F _{sv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _w
						45		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	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 28 day of December, 20 11

Witness (if any)

For Commission

Jannell Oliver
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 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: 12/28/11

Signature: 
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.

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W2603

Zweygardt 34-24

St. Francis

St. Francis

None

May-11

FloBoss

DATE	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
5/1/2011	69	82	45	6	24		34	
5/2/2011	69	82	45	6	24		32	
5/3/2011	69	82	45	6	12		16	pu off disp
5/4/2011	67	80	39	6	0		0	
5/5/2011	66	79	37	6	0		0	
5/6/2011	66	79	36	6	0		0	
5/7/2011	65	78	34	6	0		0	
5/8/2011	133	146	33	6	0		0	
5/9/2011	140	153	0	6	0	24	0	Compressor Down
5/10/2011	94	107	18	6	0		0	
5/11/2011	70	83	41	6	0		0	
5/12/2011	65	78	35	6	0		0	
5/13/2011	64	77	32	6	0		0	
5/14/2011	62	75	31	6	0		0	
5/15/2011	62	75	30	6	0		0	
5/16/2011	61	74	30	6	0		0	
5/17/2011	60	73	29	6	0		0	
5/18/2011	61	74	28	6	0		0	
5/19/2011	60	73	28	6	0		0	
5/20/2011	61	74	28	6	0		0	
5/21/2011	61	74	27	6	0		0	
5/22/2011	64	77	27	6	0		0	
5/23/2011	61	74	26	6	0		0	
5/24/2011	61	74	25	6	0		0	
5/25/2011	61	74	25	6	0		0	
5/26/2011	61	74	25	6	0		0	
5/27/2011	62	75	25	6	12		16	restart pu
5/28/2011	63	76	31	6	24		33	
5/29/2011	65	78	36	6	24		32	
5/30/2011	64	77	37	6	24		29	
5/31/2011	65	78	38	6	24		28	

Total

966

220

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W2603
 Zweygartd 34-24
 St. Francis
 St. Francis
 None
 June-11
 FloBoss

DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2011	71	84	38	6	24	32
6/2/2011	66	79	40	6	24	33
6/3/2011	65	78	40	6	24	32
6/4/2011	65	78	40	6	24	31
6/5/2011	65	78	41	6	24	30
6/6/2011	65	78	41	6	24	31
6/7/2011	64	77	41	6	24	34 5 min bt greased
6/8/2011	64	77	41	6	24	33
6/9/2011	65	78	43	6	24	31
6/10/2011	65	78	43	6	24	29
6/11/2011	65	78	43	6	24	30
6/12/2011	66	79	43	6	24	35
6/13/2011	66	79	43	6	24	33
6/14/2011	66	79	43	6	24	34 5 min bt
6/15/2011	65	78	44	6	24	33
6/16/2011	70	83	44	6	24	32
6/17/2011	69	82	44	6	24	34
6/18/2011	68	81	44	6	24	33
6/19/2011	68	71	44	6	24	32
6/20/2011	68	71	45	6	24	34
6/21/2011	68	71	44	6	24	34 5 min bt
6/22/2011	68	71	45	6	24	33
6/23/2011	80	93	41	6	24	1 31
6/24/2011	69	82	45	6	24	31
6/25/2011	68	81	45	6	24	35
6/26/2011	68	81	45	6	24	33
6/27/2011	67	80	45	6	24	30
6/28/2011	68	81	45	6	24	35
6/29/2011	68	81	45	6	24	34 5 min bt
6/30/2011	69	82	45	6	24	35
7/1/2011						

Total

1290

977

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W2603
 Zweygardt 34-24
 St. Francis
 St. Francis
 None
 July-11
 FloBoss

DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBL	REMARKS (Maximum length 110 characters)
7/1/2011	68	81	45	6	24	34	
7/2/2011	68	81	45	6	24	33	
7/3/2011	68	81	45	6	24	32	
7/4/2011	68	81	45	6	24	31	
7/5/2011	68	81	45	6	24	33	
7/6/2011	67	80	45	6	24	31	
7/7/2011	68	81	45	6	24	34	5 min bt greased
7/8/2011	68	81	45	6	24	33	
7/9/2011	68	81	45	6	24	35	
7/10/2011	68	81	45	6	24	32	
7/11/2011	66	79	45	6	24	34	5 min bt
7/12/2011	66	79	45	6	24	31	
7/13/2011	63	76	45	6	24	1	30
7/14/2011	67	80	45	6	24		29
7/15/2011	67	80	45	6	24		30
7/16/2011	67	80	45	6	24		31
7/17/2011	71	84	45	6	24		32
7/18/2011	67	80	45	6	12		16 pu off, high field pressure
7/19/2011	68	81	40	6	12	2	16 restart pu 5 min bt
7/20/2011	67	80	40	6	24		32
7/21/2011	73	86	40	6	12		16 pu off, high field pressure
7/22/2011	64	77	40	6	12		16 restart pu
7/23/2011	64	77	40	6	24		32
7/24/2011	64	77	42	6	24		33
7/25/2011	64	77	42	6	24		31
7/26/2011	64	77	43	6	24		30
7/27/2011	64	77	44	6	24		34 5 min bt
7/28/2011	66	79	44	6	24		29
7/29/2011	78	91	40	6	24		28
7/30/2011	53	66	44	6	24		30
7/31/2011	53	66	44	6	24		32

Total

1353

920

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