

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **AST**
 Deliverability

Test Date:
6/28/2012

API No. 15
023-21074-0000

Company Rosewood Resources, Inc.		Lease Zweygardt		Well Number 44-10	
County Cheyenne	Location SESE	Section 10	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 10/19/2008		Plug Back Total Depth 1618'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1618'	Perforations 1386'	To 1416'
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="radio"/> No flowing		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 5360'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 6-27		20 12 at 4:15	(AM) <input checked="" type="radio"/> PM	Taken 6-28	20 12 at 4:30 (AM) <input checked="" type="radio"/> PM
Well on Line: Started 6-28		20 12 at 4:30	(AM) <input checked="" type="radio"/> PM	Taken 6-29	20 12 at 5:15 (AM) <input checked="" type="radio"/> PM

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OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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 _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						150	164.4				
Flow						85	99.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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
						18		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	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)

Janell Grew
For Company

For Commission

Checked by

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Form G-2
(Rev. 7/03)

JAN 03 2013

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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 44-10 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: 
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.

W2602
 Zwegardt 44-10
 St. Francis
 St. Francis
 None
 June-12
 FloBoss

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DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLIDOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2012	69	83	18			
6/2/2012	67	81	18			
6/3/2012	71	84	17			
6/4/2012	69	83	18			
6/5/2012	70	83	18			
6/6/2012	70	83	18			
6/7/2012	70	83	18			
6/8/2012	70	83	18			
6/9/2012	71	84	18			
6/10/2012	71	84	18			
6/11/2012	71	84	18			
6/12/2012	70	83	18			
6/13/2012	71	84	18			
6/14/2012	71	84	18			
6/15/2012	71	84	18			
6/16/2012	70	83	18			
6/17/2012	71	84	18			
6/18/2012	71	84	18			
6/19/2012	75	88	18			
6/20/2012	78	91	18			
6/21/2012	82	95	18			
6/22/2012	84	97	18			
6/23/2012	83	96	18			
6/24/2012	77	90	18			
6/25/2012	86	99	18			
6/26/2012	81	94	18			
6/27/2012	80	93	18			
6/28/2012	80 150	149	0	24		cp 86 si for state test cp 150 opened
6/29/2012	85	98	24			
6/30/2012	76	89	19			
7/1/2012						

Total

528

0

W2602

Zweygardt 44-10

St. Francis

St. Francis

None

July-12

FloBoss

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KCC WICHITA

DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2012	78	91	18			
7/2/2012	69	83	18		3	
7/3/2012	83	96	17			
7/4/2012	68	81	17			
7/5/2012	67	80	17			
7/6/2012	88	101	17		1	
7/7/2012	69	82	17			
7/8/2012	72	85	17			
7/9/2012	71	84	17			
7/10/2012	71	84	17			
7/11/2012	70	83	17			
7/12/2012	70	83	17			
7/13/2012	68	81	17			
7/14/2012	68	81	17			
7/15/2012	69	82	17			
7/16/2012	68	81	17		1.5	
7/17/2012	70	83	17			
7/18/2012	78	91	17			
7/19/2012	72	85	17		0.5	
7/20/2012	73	86	17			
7/21/2012	75	88	17			
7/22/2012	70	83	17			
7/23/2012	76	89	17		0.5	
7/24/2012	78	91	17			
7/25/2012	79	92	17			
7/26/2012	71	84	17			
7/27/2012	89	102	17		5	
7/28/2012	77	90	18			
7/29/2012	67	80	18			
7/30/2012	66	79	18			
7/31/2012	66	79	18			

Total

533

0

W2602
 Zwegardt 44-10
 St. Francis
 St. Francis
 None
 August-12
 FloBoss

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DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLEDOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2012	73	86	18			
8/2/2012	69	82	18			
8/3/2012	69	82	18			
8/4/2012	67	80	18			
8/5/2012	74	87	18			
8/6/2012	67	80	18			
8/7/2012	72	85	18			
8/8/2012	70	83	18			
8/9/2012	69	82	18			
8/10/2012	84	97	18			
8/11/2012	71	84	17		1.5	
8/12/2012	67	80	17			
8/13/2012	66	79	18			
8/14/2012	67	80	18			
8/15/2012	75	88	18			
8/16/2012	67	80	18			
8/17/2012	66	79	17			
8/18/2012	70	83	17			
8/19/2012	68	81	17			
8/20/2012	67	80	17			
8/21/2012	68	81	17			
8/22/2012	67	80	17			
8/23/2012	69	82	17			
8/24/2012	72	85	17			
8/25/2012	75	88	17			
8/26/2012	70	83	17			
8/27/2012	68	81	17			
8/28/2012	67	80	17			
8/29/2012	69	82	17			
8/30/2012	68	81	17			
8/31/2012	68	81	17			

Total 541 0