

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow **BSI**
 Deliverability

Test Date:
5/9/2011

API No. 15
023-21254-00 - 00

Company Rosewood Resources, Inc.		Lease Zweygardt		Well Number 12-19	
County Cheyenne	Location SWNW	Section 19	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9/23/2010		Plug Back Total Depth 1470'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1509'	Perforations 1304'	To 1334'
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	
Vertical Depth(H) 1550'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup:	Shut in 5-8	20 11 at 5:20	(AM) (PM) Taken 5-9	20 11 at 5:30	(AM) (PM)
Well on Line:	Started 5-9	20 11 at 5:30	(AM) (PM) Taken 5-10	20 11 at 5:45	(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 _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _s)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						202	216.4				
Flow						188	202.4			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
						57		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _s) 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: 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 28 day of December, 20 11

Witness (if any)

For Commission

Garrett Green

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 12-19 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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W2733
 Zwegardt 12-19
 St. Francis
 St. Francis
 Flow
 May-11
 FloBoss

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
5/1/2011		201	164	59			
5/2/2011		201	164	59			
5/3/2011		201	164	59			
5/4/2011		200	164	59			
5/5/2011		201	164	59			
5/6/2011		202	163	59			
5/7/2011		202	163	59			
5/8/2011		202	165	59			
5/9/2011		202	166	0	24		Compressor Down
5/10/2011		202	165	35			
5/11/2011		202	164	55			
5/12/2011		202	164	58			
5/13/2011		202	164	58			
5/14/2011		202	163	58			
5/15/2011		202	163	59			
5/16/2011		202	163	59			
5/17/2011		190	163	58			
5/18/2011		188	163	58			
5/19/2011		189	163	59			
5/20/2011		189	163	59			
5/21/2011		189	163	58			
5/22/2011		188	162	56			
5/23/2011		188	163	57			
5/24/2011		189	162	57			
5/25/2011		189	162	57			
5/26/2011		188	162	57			
5/27/2011		189	162	57			
5/28/2011		189	162	57			
5/29/2011		189	162	57			
5/30/2011		188	161	57			
5/31/2011		188	162	57			

Total

1715

0

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W2733
 Zweygardt 12-19
 St. Francis
 St. Francis
 Flow
 June-11
 FloBoss

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
6/1/2011		188	159	56			
6/2/2011		189	151	54			
6/3/2011		170	148	52			
6/4/2011		168	146	51			
6/5/2011		168	145	50			
6/6/2011		159	144	50			
6/7/2011		159	142	50			
6/8/2011		153	140	48			
6/9/2011		152	139	48			
6/10/2011		146	138	47			
6/11/2011		138	138	47			
6/12/2011		132	136	47			
6/13/2011		123	135	45			
6/14/2011		123	135	45			
6/15/2011		120	133	44			
6/16/2011		123	136	44			pinched in 10mcf
6/17/2011		146	159	42			
6/18/2011		146	159	43			
6/19/2011		145	158	43			
6/20/2011		144	157	43			
6/21/2011		144	157	43			
6/22/2011		144	157	42			
6/23/2011		150	163	40	1		
6/24/2011		144	157	43			
6/25/2011		142	155	42			
6/26/2011		140	153	42			
6/27/2011		140	153	42			
6/28/2011		139	152	41			
6/29/2011		139	152	41			
6/30/2011		139	152	40			
7/1/2011							

Total

1365

0

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W2733
 Zweygardt 12-19
 St. Francis
 St. Francis
 Flow
 July-11
 FloBoss

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BLS	REMARKS (Maximum length 110 characters)
	PSI	PSI						
7/1/2011		138	151	40				
7/2/2011		138	151	40				
7/3/2011		136	149	40				
7/4/2011		136	149	40				
7/5/2011		137	150	40				
7/6/2011		134	147	39				
7/7/2011		135	148	39				
7/8/2011		135	148	39				
7/9/2011		133	146	39				
7/10/2011		134	147	39				
7/11/2011		133	146	39				
7/12/2011		131	144	39				
7/13/2011		127	140	39			1	
7/14/2011		132	145	38				
7/15/2011		131	144	39				
7/16/2011		130	143	38				
7/17/2011		132	145	38				
7/18/2011		138	151	38				
7/19/2011		130	143	38			2	
7/20/2011		129	142	38				
7/21/2011		133	146	37				
7/22/2011		127	140	37				
7/23/2011		127	140	37				
7/24/2011		125	138	36				
7/25/2011		127	140	36				
7/26/2011		125	138	36				
7/27/2011		124	137	36				
7/28/2011		126	139	36				
7/29/2011		129	142	36				
7/30/2011		125	138	36				
7/31/2011		125	138	36				

Total

1178

0

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