

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **ASI**
 Deliverability

Test Date:
8/29/2012

API No. 15
023-21265-0000

Company Rosewood Resources, Inc.		Lease Zweygartd		Well Number 33-19	
County Cheyenne	Location NWSE	Section 19	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 9/28/2010		Plug Back Total Depth 1507'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1546'	Perforations 1322'	To 1352'
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) 1560'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-28 20 12 at 6:00 (AM) (PM)		Taken 8-29 20 12 at 6:15 (AM) (PM)			
Well on Line: Started 8-29 20 12 at 6:15 (AM) (PM)		Taken 8-30 20 12 at 6:40 (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 _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						165	179.4				
Flow						159	173.4			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
						44		

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

For Commission

Joanell Brown

For Company

Checked by

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Form G-2
(Rev. 7/03)

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.

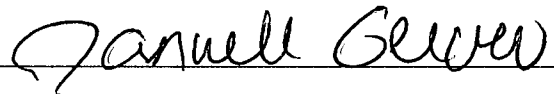
I hereby request a one-year exemption from open flow testing for the Zweygardt 33-19 gas well on the grounds that said well:

(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: 12/19/12

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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W2749
Zweygartdt 33-19
St. Francis
St. Francis
Flow
August-12
FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLEDOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2012		149	162	45				
8/2/2012		160	173	43				
8/3/2012		161	174	45				
8/4/2012		162	175	45				
8/5/2012		153	166	45				
8/6/2012		159	172	43				
8/7/2012		153	166	44				
8/8/2012		159	172	44				
8/9/2012		161	174	43				
8/10/2012		162	175	44				
8/11/2012		162	175	44		1.5		
8/12/2012		156	169	45				
8/13/2012		159	172	44				
8/14/2012		161	174	44				
8/15/2012		154	167	44				
8/16/2012		159	172	43				
8/17/2012		147	160	43				
8/18/2012		160	173	43				
8/19/2012		161	174	43				
8/20/2012		162	175	43				
8/21/2012		143	156	44				
8/22/2012		159	172	43				
8/23/2012		161	174	44				
8/24/2012		162	175	44				
8/25/2012		163	176	44				
8/26/2012		152	165	44				
8/27/2012		160	173	43				
8/28/2012		161	174	44				si for state test cp-165
8/29/2012		165	168	0		24		reopened cp 159
8/30/2012		159	172	37				
8/31/2012		158	171	44				

Total

1308

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W2749

Zweygardt 33-19

St. Francis

St. Francis

Flow

September-12

FloBoss

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
9/1/2012	160	173	45		
9/2/2012	153	166	45		
9/3/2012	158	171	44		
9/4/2012	160	173	45	1	
9/5/2012	159	172	44		
9/6/2012	159	172	44		
9/7/2012	168	181	30	19	
9/8/2012	172	185	7	24	
9/9/2012	177	190	3	24	
9/10/2012	181	194	0	24	
9/11/2012	183	196	0	24	
9/12/2012	184	197	0	24	
9/13/2012	160	173	21	10	
9/14/2012	162	175	39		
9/15/2012	163	176	41		
9/16/2012	163	176	41		
9/17/2012	164	177	42		
9/18/2012	157	170	41		
9/19/2012	161	174	42		
9/20/2012	161	174	42		
9/21/2012	162	175	42		
9/22/2012	163	176	44		
9/23/2012	163	176	44		
9/24/2012	164	177	44		
9/25/2012	165	178	44		
9/26/2012	165	178	44		
9/27/2012	160	173	41		
9/28/2012	161	174	43		
9/29/2012	162	175	43		
9/30/2012	163	176	43		
10/1/2012					

Total

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W2749

Zweygardt 33-19

St. Francis

St. Francis

Flow

October-12

FloBoss

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
10/1/2012	163	176	43		
10/2/2012	164	177	43		
10/3/2012	160	173	42		
10/4/2012	161	174	43		
10/5/2012	163	176	43		
10/6/2012	164	177	43		
10/7/2012	163	176	43		
10/8/2012	164	177	43		
10/9/2012	164	177	43		
10/10/2012	164	177	43		
10/11/2012	164	177	43		
10/12/2012	164	177	43		
10/13/2012	164	177	43		
10/14/2012	159	172	42		
10/15/2012	161	174	43		
10/16/2012	146	159	43	1	
10/17/2012	152	165	43		
10/18/2012	158	171	42		
10/19/2012	161	174	42		
10/20/2012	153	166	43		
10/21/2012	159	172	42		
10/22/2012	146	159	42		
10/23/2012	159	172	42		
10/24/2012	157	170	41		
10/25/2012	159	172	40		
10/26/2012	154	167	41		
10/27/2012	159	172	38		
10/28/2012	160	173	43		
10/29/2012	162	175	43	2	
10/30/2012	162	175	43		
10/31/2012	154	167	43		

Total

1314