

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **AST**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/20/2012

API No. 15
023-20611-0000

Company Rosewood Resources, Inc.		Lease Grace		Well Number 1-24	
County Cheyenne	Location NW SE/4	Section 24	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 5/4/2005		Plug Back Total Depth 1507'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1507'	Perforations 1302'	To 1334'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Sinle (Conventional)		Type Fluid Production Dry Gas	Pump Unit or Traveling Plunger? <input checked="" type="radio"/> Yes / No Pumping Unit		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1334'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in <u>8-19</u> 20 <u>12</u> at <u>9:35</u> <input checked="" type="radio"/> (AM) (PM) Taken <u>8-20</u> 20 <u>12</u> at <u>9:50</u> <input checked="" type="radio"/> (AM) (PM)					
Well on Line: Started <u>8-20</u> 20 <u>12</u> at <u>9:50</u> <input checked="" type="radio"/> (AM) (PM) Taken <u>8-21</u> 20 <u>12</u> at <u>10:35</u> <input checked="" type="radio"/> (AM) (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 (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						121	135.4				
Flow						65	79.4			24	0

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 _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						29		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

For Commission

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.

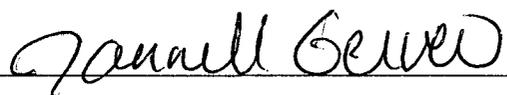
I hereby request a one-year exemption from open flow testing for the Grace 1-24 gas well on the grounds that said well:

(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: 
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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W348
Grace 1-24
St. Francis
St. Francis
None
August-12
FloBoss

DATE	Casing PSI	STATIC MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2012	65	78	28				
8/2/2012	59	72	28				
8/3/2012	59	72	28				
8/4/2012	57	70	28				
8/5/2012	66	79	28				
8/6/2012	57	70	28				
8/7/2012	68	81	28				
8/8/2012	61	74	28				
8/9/2012	60	73	28				
8/10/2012	74	87	28				
8/11/2012	59	72	27		1.5		
8/12/2012	61	74	27				
8/13/2012	56	69	28				
8/14/2012	59	72	28				
8/15/2012	68	81	28				
8/16/2012	59	72	28				
8/17/2012	57	70	27				
8/18/2012	64	77	27				
8/19/2012	63	76	27				
8/20/2012	121	68	0		24		si for state test cp-64 reopened cp-121
8/21/2012	65	78	31				
8/22/2012	61	74	31				
8/23/2012	65	78	29				
8/24/2012	64	77	29				
8/25/2012	62	75	28				
8/26/2012	64	77	29				
8/27/2012	58	71	29				
8/28/2012	58	71	29				
8/29/2012	60	73	28				
8/30/2012	59	72	28				
8/31/2012	59	72	28				

Total

846

0

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KCC WICHITA

W348

Grace 1-24

St. Francis

St. Francis

None

September-12

FloBoss

DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
9/1/2012	58	71	28			
9/2/2012	61	74	28			
9/3/2012	59	72	28			
9/4/2012	58	71	28		1	
9/5/2012	75	88	28			
9/6/2012	75	88	28			
9/7/2012	120	133	7		19	
9/8/2012	124	137	0		24	
9/9/2012	126	139	0		24	
9/10/2012	127	140	0		24	
9/11/2012	129	142	0		24	
9/12/2012	130	143	0		24	
9/13/2012	111	124	13		10	
9/14/2012	102	115	33			
9/15/2012	94	107	37			
9/16/2012	89	102	34			
9/17/2012	79	92	32			
9/18/2012	62	75	31			
9/19/2012	78	91	28			
9/20/2012	54	67	31			
9/21/2012	54	67	29			
9/22/2012	54	67	29			
9/23/2012	54	67	29			
9/24/2012	57	70	29			
9/25/2012	61	74	28			
9/26/2012	62	75	28			
9/27/2012	69	82	28			
9/28/2012	61	74	29			
9/29/2012	61	74	29			
9/30/2012	61	74	29			
10/1/2012						

Total

701

0

W348

Grace 1-24

St. Francis

St. Francis

None

October-12

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DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLE	Water DOWN	BBLs	REMARKS (Maximum length 110 characters)
10/1/2012	61	74	29				
10/2/2012	61	74	29				
10/3/2012	62	75	28				
10/4/2012	59	72	28				
10/5/2012	60	73	28				
10/6/2012	61	74	28				
10/7/2012	59	72	28				
10/8/2012	60	73	28				
10/9/2012	63	76	28				
10/10/2012	62	75	28				
10/11/2012	61	74	28				
10/12/2012	60	73	28				
10/13/2012	61	74	28				
10/14/2012	63	76	27				
10/15/2012	61	74	27				
10/16/2012	80	93	27			1	
10/17/2012	62	75	27				
10/18/2012	59	72	27				
10/19/2012	59	72	27				
10/20/2012	62	75	27				
10/21/2012	69	82	27				
10/22/2012	61	74	27				
10/23/2012	59	72	27				
10/24/2012	59	72	27				
10/25/2012	56	69	27				
10/26/2012	59	72	27				
10/27/2012	57	70	27				
10/28/2012	57	70	27				
10/29/2012	83	96	27			2	
10/30/2012	72	85	27				
10/31/2012	59	72	27				

Total

852

0