

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **BSI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/23/2012

API No. 15
023-20677-0000

Company Rosewood Resources, Inc.		Lease Stuart		Well Number 33-30	
County Cheyenne	Location SWNE	Section 30	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 3/14/2006		Plug Back Total Depth 1312'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1312'	Perforations 1168'	To 1204'
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? <input checked="" type="radio"/> Yes / No. Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1204'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-22		20 12	at 10:00	(AM) (PM)	Taken 8-23
		20 12	at 10:15	(AM) (PM)	
Well on Line: Started 8-23		20 12	at 10:15	(AM) (PM)	Taken 8-24
		20 12	at 11:00	(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 _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						181	195.4				
Flow						61	75.4			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
						1		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
(P_c)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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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

Jannel Grew

For Company

Checked by

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Form G-2
(Rev. 7/03)

JAN 03 2013

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.

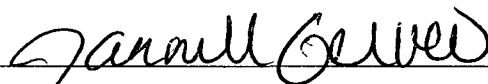
I hereby request a one-year exemption from open flow testing for the Stuart 33-30 gas well on the grounds that said well:

(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.

W372
 Stuart 33-30
 St. Francis
 St. Francis
 None
 August-12

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DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2012	58	71	0			
8/2/2012	60	73	0			
8/3/2012	59	72	0			
8/4/2012	60	73	0			
8/5/2012	60	73	0			
8/6/2012	58	71	0			
8/7/2012	62	75	0			
8/8/2012	62	75	0			
8/9/2012	61	74	0			
8/10/2012	74	87	0			
8/11/2012	61	74	0	1.5		
8/12/2012	60	73	0			
8/13/2012	67	70	0			
8/14/2012	56	69	0			
8/15/2012	62	75	0			
8/16/2012	57	70	0			
8/17/2012	54	67	0			
8/18/2012	55	68	0			
8/19/2012	63	76	0			
8/20/2012	56	69	0			
8/21/2012	55	68	0			
8/22/2012	60	73	0			
8/23/2012	60 181	71	0	24		si for state test cp-65 reopened cp-181
8/24/2012	61	74	2			
8/25/2012	63	76	0			
8/26/2012	61	74	0			
8/27/2012	59	72	0			
8/28/2012	58	71	0			
8/29/2012	60	73	0			
8/30/2012	60	73	0			
8/31/2012	59	72	0			
Total			2		0	

W372

Stuart 33-30

St. Francis

St. Francis

None

September-12

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DATE	Casing PSI	STATIC	MCF	HRS DOWN	Water BBS	REMARKS (Maximum length 110 characters)
9/1/2012	59	72		0		
9/2/2012	59	72		0		
9/3/2012	59	72		0		
9/4/2012	59	72		0	1	
9/5/2012	75	88		0		
9/6/2012	58	71		0		
9/7/2012	162	175		0	19	
9/8/2012	171	184		0	24	
9/9/2012	177	190		0	24	
9/10/2012	173	186		0	24	
9/11/2012	183	196		0	24	
9/12/2012	184	197		0	24	
9/13/2012	113	126		4	10	
9/14/2012	103	116		0		
9/15/2012	94	107		0		
9/16/2012	94	107		0		
9/17/2012	82	95		0		
9/18/2012	63	76		0		
9/19/2012	82	95		0		
9/20/2012	54	67		0		
9/21/2012	56	69		0		
9/22/2012	55	68		0		
9/23/2012	55	68		0		
9/24/2012	59	72		0		
9/25/2012	62	75		0		
9/26/2012	62	75		0		
9/27/2012	71	84		0		
9/28/2012	62	75		0		
9/29/2012	62	75		0		
9/30/2012	62	75		0		
10/1/2012						

Total

4

0

W372
 Stuart 33-30
 St. Francis
 St. Francis
 None
 October-12

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DATE	Casing PSI	STATIC	MCF	SPM	CYCL	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
10/1/2012	62	75	0					
10/2/2012	62	75	0					
10/3/2012	63	76	0					
10/4/2012	60	73	0					
10/5/2012	60	73	0					
10/6/2012	60	73	0					
10/7/2012	60	73	0					
10/8/2012	61	74	0					
10/9/2012	61	74	0					
10/10/2012	61	74	1					
10/11/2012	62	75	1					
10/12/2012	61	74	1					
10/13/2012	63	76	1					
10/14/2012	65	78	1					
10/15/2012	62	75	0					
10/16/2012	66	79	1				1	
10/17/2012	60	73	1					
10/18/2012	60	73	0					
10/19/2012	60	73	1					
10/20/2012	61	74	0					
10/21/2012	60	73	0					
10/22/2012	60	73	0					
10/23/2012	60	73	0					
10/24/2012	59	72	0					
10/25/2012	57	70	0					
10/26/2012	58	71	1					
10/27/2012	59	72	0					
10/28/2012	58	71	0					
10/29/2012	80	93	1				2	
10/30/2012	74	87	0					
10/31/2012	59	72	0					

Total

10

0