

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
5/19/2008

API No. 15
023-20658-0070

Company Rosewood Resources, Inc.		Lease Neitzel		Well Number 23-30	
County Cheyenne	Location NESW	Section 30	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 3/13/2006		Plug Back Total Depth 1423'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1423'	Perforations 1272'	To 1308'
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 / No flowing	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1272'		Pressure Taps Flange		Gas Gravity - G _g .6	
Pressure Buildup: Shut in 5-19 20 08 at 10:15 (AM) (PM)		Taken 5-20 20 08 at 11:30 (AM) (PM)			
Well on Line: Started 5-20 20 08 at 11:30 (AM) (PM)		Taken 5-21 20 08 at 12:00 (AM) (PM)			

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OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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						80	94.4				
Flow						200	214.4				

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _a) 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
						11		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _w) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _w 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" ----- 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 10 day of December, 20 08

Witness (if any) _____ **RECEIVED KANSAS CORPORATION COMMISSION** Wayne Mahan For Company

For Commission _____ **JAN 29 2009** _____ Checked by

**CONSERVATION DIVISION
WICHITA, KS**

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 Neitzel 23-30 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: 12/10/08

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Signature: Wayne Mahan
Title: 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.

W362
 Neitzel 23-30
 St. Francis
 St. Francis
 Pumping Unit
 May-08

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE	DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
5/1/2008			76	11	6	16	0	19	
5/2/2008			76	11	6	16	0	17	
5/3/2008			77	11	6	16	0	18	
5/4/2008			76	11	6	16	0	19	bucket test 6 min
5/5/2008			77	11	6	16	0	18	
5/6/2008			75	11	6	16	0	17	
5/7/2008			76	11	0	0	0	0	shut pump off 4:20 pm
5/8/2008			74	10	6	16	0	0	start pumping unit 3:10 pm
5/9/2008			74	10	6	16	0	13	
5/10/2008			74	11	6	16	0	19	
5/11/2008			73	11	6	16	0	18	
5/12/2008			74	11	6	16	0	17	
5/13/2008			73	11	6	16	0	18	
5/14/2008			75	11	6	16	0	19	bucket test 6 min
5/15/2008			77	11	6	16	0	18	
5/16/2008			73	11	6	16	0	20	
5/17/2008			74	11	6	16	0	20	
5/18/2008			74	11	6	16	0	18	
5/19/2008			73	11	6	16	0	20	
5/20/2008		80	73	11	0	0	0	19	shu in well for test pump off
5/21/2008		200	67	2	6	16	0	0	open
5/22/2008			66	16	6	16	0	19	
5/23/2008			76	13	6	16	0	20	
5/24/2008			79	13	6	16	0	19	bucket test 6 min
5/25/2008			67	12	6	16	0	18	
5/26/2008			67	12	6	16	0	19	
5/27/2008			73	12	6	16	0	18	
5/28/2008			71	12	6	16	0	17	
5/29/2008			78	12	6	16	0	19	
5/30/2008			73	12	6	16	0	18	
5/31/2008			74	12	6	16	0	18	

Total

346

512

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W362
 Neitzel 23-30
 St. Francis
 St. Francis
 Pumping Unit
 June-08

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE	Water DOWN	BBLs	REMARKS (Maximum length 110 characters)
6/1/2008			73	12	6	16	0	19	
6/2/2008			73	11	6	16	0	20	
6/3/2008			73	11	6	16	0	19	
6/4/2008			71	11	6	16	0	18	
6/5/2008			70	11	6	16	0	19	bucket test 6 min
6/6/2008			69	11	6	16	0	20	
6/7/2008			71	11	6	16	0	19	
6/8/2008			71	11	6	16	0	18	
6/9/2008			72	11	6	16	0	19	
6/10/2008			74	11	6	16	0	18	
6/11/2008			78	11	6	16	0	19	bucket test 6 min
6/12/2008			77	11	6	16	0	18	
6/13/2008			79	10	6	16	0	20	
6/14/2008			78	11	6	16	0	18	
6/15/2008			82	11	6	16	0	19	
6/16/2008			79	11	6	16	0	19	
6/17/2008			77	11	6	16	0	18	
6/18/2008			74	11	6	16	0	20	
6/19/2008			74	11	6	16	0	19	bucket test 6 min
6/20/2008			74	11	6	16	0	18	
6/21/2008			74	11	6	16	0	17	
6/22/2008			74	11	6	16	0	18	
6/23/2008			74	11	6	16	0	19	
6/24/2008			76	11	6	16	0	18	
6/25/2008			76	11	6	16	0	19	bucket test 6 min
6/26/2008			80	11	6	16	0	20	
6/27/2008			73	11	6	16	0	18	
6/28/2008			71	11	6	16	0	20	
6/29/2008			70	11	6	16	0	18	
6/30/2008			70	11	6	16	0	18	
7/1/2008							0		

Total

330

562

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W362
 Neitzel 23-30
 St. Francis
 St. Francis
 Pumping Unit
 July-08

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
7/1/2008			71	11	6	16	0	20
7/2/2008			76	11	6	16	0	19 bucket test 6 min greased
7/3/2008			72	11	6	16	0	18
7/4/2008			72	11	6	16	0	17
7/5/2008			81	11	6	16	0	18
7/6/2008			83	11	6	16	0	17
7/7/2008			81	11	6	16	0	16
7/8/2008			76	11	6	16	0	17
7/9/2008			74	11	6	16	0	18
7/10/2008			75	11	6	16	0	19 bucket test 6 min
7/11/2008			83	11	6	16	0	20
7/12/2008			73	11	6	16	0	18
7/13/2008			72	11	6	16	0	18
7/14/2008			177	11	6	16	11	16 PU off HFP
7/15/2008			114	2	0	0	0	0
7/16/2008			93	14	0	0	0	0 PU off HFP
7/17/2008			78	9	0	0	0	0 PU off HFP
7/18/2008			97	9	0	0	0	0 PU off HFP
7/19/2008			62	8	6	16	3	0 started pumping unit
7/20/2008			67	9	6	16	0	19
7/21/2008			67	9	6	16	0	20
7/22/2008			75	9	6	16	0	23 bucket test 5 min
7/23/2008			73	9	6	16	0	22
7/24/2008			95	9	6	16	0	21
7/25/2008			92	9	6	16	0	22
7/26/2008			64	10	6	16	0	24
7/27/2008			61	10	6	16	0	23
7/28/2008			71	10	6	16	0	22
7/29/2008			62	10	6	16	0	21
7/30/2008			136	10	0	0	0	23 pump off hfp
7/31/2008			66	9	6	16	5	0 started pumping unit

Total

309

491

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