

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow **ASI**
 Deliverability

Test Date:
5/9/2011

API No. 15
023-21244-00 - 00

Company Rosewood Resources, Inc.		Lease Neitzel C		Well Number 21-20	
County Cheyenne	Location NENW	Section 20	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9/30/2010		Plug Back Total Depth 1444'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1481'	Perforations 1224'	To 1304'
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 checked="" type="radio"/> No <input type="radio"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1495'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Bulldup: Shut in 5-8 _____ 20 11 at 2:40 (AM) <input checked="" type="radio"/> (PM) Taken 5-9 _____ 20 11 at 3:55 (AM) <input checked="" type="radio"/> (PM)		Well on Line: Started 5-9 _____ 20 11 at 3:55 (AM) <input checked="" type="radio"/> (PM) Taken 5-10 _____ 20 11 at 4:00 (AM) <input checked="" type="radio"/> (PM)			

OBSERVED SURFACE DATA

Duration of Shut-In **24** Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter 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 _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						143	157.4				
Flow						98	112.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _e) 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
						23		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ ; (P_w)² = _____ ; P_d = _____ % ; (P_e - 14.4) + 14.4 = _____ ; (P_e)² = 0.207 ; (P_w)² = _____

(P _e) ² - (P _w) ² or (P _e) ² - (P _d) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _w ² 2. P _e ² - P _d ² divided by: P _e ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_e^2 - P_w^2}{P_e^2 - P_d^2}$	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



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.

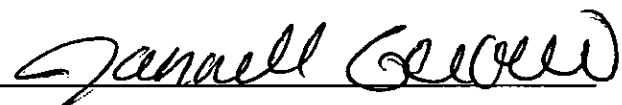
I hereby request a one-year exemption from open flow testing for the Neitzel 21-20 gas well on the grounds that said well:

(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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Neitzel 21-2015

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		105	118	25			
5/2/2011		115	128	25			
5/3/2011		103	117	23			
5/4/2011		101	114	24			
5/5/2011		101	114	24			
5/6/2011		101	114	24			
5/7/2011		149	162	24			
5/8/2011		143	156	22			
5/9/2011		143	156	0	24		Compressor Down
5/10/2011		123	136	24			
5/11/2011		104	117	24			
5/12/2011		100	113	24			
5/13/2011		99	112	24			
5/14/2011		98	111	24			
5/15/2011		98	111	23			
5/16/2011		97	110	23			
5/17/2011		97	110	23			
5/18/2011		97	110	23			
5/19/2011		97	110	23			
5/20/2011		97	110	23			
5/21/2011		97	110	23			
5/22/2011		102	115	23			
5/23/2011		97	110	23			
5/24/2011		96	109	23			
5/25/2011		96	109	23			
5/26/2011		96	109	23			
5/27/2011		97	110	23			
5/28/2011		98	111	23			
5/29/2011		98	111	23			
5/30/2011		98	111	23			
5/31/2011		98	111	23			

Total

702

0

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Neitzel 21-20

St. Francis

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Flow

June-11

FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2011		104	117	23				
6/2/2011		98	111	23				
6/3/2011		96	109	23				
6/4/2011		99	112	23				
6/5/2011		98	111	23				
6/6/2011		98	111	23				
6/7/2011		96	109	23				
6/8/2011		96	109	23				
6/9/2011		97	110	23				
6/10/2011		96	109	23				
6/11/2011		97	110	22				
6/12/2011		98	111	22				
6/13/2011		98	111	22				
6/14/2011		97	110	22				
6/15/2011		97	110	22				
6/16/2011		101	114	22				
6/17/2011		99	112	22				
6/18/2011		98	111	22				
6/19/2011		99	112	22				
6/20/2011		98	111	22				
6/21/2011		98	111	22				
6/22/2011		98	111	22				
6/23/2011		108	121	22		1		
6/24/2011		97	110	22				
6/25/2011		98	111	22				
6/26/2011		98	111	22				
6/27/2011		98	111	22				
6/28/2011		96	109	22				
6/29/2011		98	111	22				
6/30/2011		98	111	22				
7/1/2011								

Total

670

0

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Neitzel 21:20

St. Francis

St. Francis

Flow

July-11

FloBoss

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
7/1/2011		97	110	22			
7/2/2011		96	109	22			
7/3/2011		95	108	22			
7/4/2011		96	109	22			
7/5/2011		97	110	22			
7/6/2011		95	108	22			
7/7/2011		96	109	22			
7/8/2011		96	109	22			
7/9/2011		95	108	22			
7/10/2011		96	109	21			
7/11/2011		95	108	21			
7/12/2011		94	107	21			
7/13/2011		88	101	21		1	
7/14/2011		95	108	21			
7/15/2011		94	107	21			
7/16/2011		95	108	21			
7/17/2011		97	110	21			
7/18/2011		104	117	21			
7/19/2011		95	108	21		2	
7/20/2011		95	108	21			
7/21/2011		100	113	21			
7/22/2011		92	105	20			
7/23/2011		93	106	20			
7/24/2011		92	105	21			
7/25/2011		92	105	21			
7/26/2011		93	106	21			
7/27/2011		92	105	21			
7/28/2011		92	105	21			
7/29/2011		105	118	20			
7/30/2011		95	108	21			
7/31/2011		94	107	21			

Total

657

0

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