

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow Deliverability

(See Instructions on Reverse Side)

Test Date:
6/11/2013

API No. 15
023-21253-0000

Company Rosewood Resources, Inc.		Lease Neitzel		Well Number 32-25	
County Cheyenne	Location SWNE	Section 25	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 9/18/2010		Plug Back Total Depth 1497'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 6.366	Set at 1532'	Perforations 1348'	To 1378'
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="checkbox"/> No <input type="checkbox"/>		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1545'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 6-10 20 13 at 2:25 (AM) (PM) Taken 6-11 20 13 at 3:35 (AM) (PM)					
Well on Line: Started 6-11 20 13 at 3:35 (AM) (PM) Taken 6-12 20 13 at 3:50 (AM) (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 ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						176	190.4				
Flow						75	89.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _c) (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 (Mcf/d)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G _m
						28		

(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: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow

Mcf/d @ 14.65 psia

Deliverability

Mcf/d @ 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 21 day of November, 20 13.

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Janull Martiny
For Company

Witness (if any)

DEC 26 2013

For Commission

CONSERVATION DIVISION
WICHITA KS

Checked by

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 32-25 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: 11/21/13

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Signature: *Dannell Martinez*

DEC 26 2013

Title: Production Assistant

CONSERVATION DIVISION
WICHITA, KS

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.

W2734
 Neitzel 32-25
 St. Francis
 St. Francis
 Flow
 June-13
 FloBoss

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
6/1/2013	71	84		29	
6/2/2013	74	87		28	
6/3/2013	73	86		28	
6/4/2013	70	83		28	
6/5/2013	75	88		28	
6/6/2013	80	93		28	
6/7/2013	77	90		28	
6/8/2013	73	86		28	
6/9/2013	77	90		28	
6/10/2013	87	100		28	2 si for state test - cp 77
6/11/2013	75	88		0	24 reopened - cp 176
6/12/2013	93	106		31	
6/13/2013	77	90		31	
6/14/2013	77	90		29	
6/15/2013	80	93		29	
6/16/2013	80	93		29	
6/17/2013	77	90		25	
6/18/2013	74	87		28	
6/19/2013	70	83		28	
6/20/2013	74	87		28	
6/21/2013	78	91		28	
6/22/2013	93	106		28	
6/23/2013	95	108		28	
6/24/2013	92	105		28	
6/25/2013	95	108		28	
6/26/2013	93	106		28	
6/27/2013	83	96		28	
6/28/2013	74	87		28	
6/29/2013	74	87		28	
6/30/2013	73	86		27	
7/1/2013					

Total

818

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 WICHITA, KS

W2734
 Neitzel 32-25
 St. Francis
 St. Francis
 Flow
 July-13
 FloBoss

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
7/1/2013	74	87		28	
7/2/2013	75	88		28	
7/3/2013	75	88		28	
7/4/2013	76	89		28	
7/5/2013	76	89		28	
7/6/2013	77	90		28	
7/7/2013	85	98		27	
7/8/2013	83	96		27	
7/9/2013	83	96		27	
7/10/2013	79	92		27	
7/11/2013	82	95		27	
7/12/2013	88	101		28	
7/13/2013	103	116		26	2.5
7/14/2013	91	104		27	
7/15/2013	76	89		27	
7/16/2013	74	87		27	
7/17/2013	71	84		27	
7/18/2013	95	108		27	
7/19/2013	92	105		27	
7/20/2013	89	102		27	
7/21/2013	90	103		27	
7/22/2013	87	100		27	
7/23/2013	84	97		27	
7/24/2013	89	102		27	
7/25/2013	93	106		26	
7/26/2013	84	97		26	
7/27/2013	75	88		26	
7/28/2013	76	89		26	
7/29/2013	75	88		26	
7/30/2013	96	109		26	3.5
7/31/2013	117	130		22	5.5

Total

832

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CONSERVATION DIVISION
 WICHITA, KS

W2734
 Neitzel 32-25
 St. Francis
 St. Francis
 Flow
 August-13
 FloBoss

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2013	93	106		29	
8/2/2013	92	105		27	
8/3/2013	88	101		27	
8/4/2013	89	102		27	
8/5/2013	83	96		27	
8/6/2013	75	88		27	
8/7/2013	71	84		27	
8/8/2013	73	86		27	
8/9/2013	76	89		27	
8/10/2013	75	88		27	
8/11/2013	73	86		26	
8/12/2013	73	86		27	
8/13/2013	73	86		27	
8/14/2013	73	86		26	
8/15/2013	74	87		26	0.5
8/16/2013	82	95		26	
8/17/2013	82	95		26	
8/18/2013	82	95		26	
8/19/2013	83	96		26	1.5
8/20/2013	102	115		26	1
8/21/2013	99	112		26	
8/22/2013	104	117		26	5
8/23/2013	89	102		26	
8/24/2013	96	109		26	1
8/25/2013	101	114		26	1
8/26/2013	77	90		26	
8/27/2013	72	85		26	
8/28/2013	71	84		26	
8/29/2013	98	111		26	1
8/30/2013	99	112		26	
8/31/2013	99	112		26	

Total

820

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