

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

Open Flow **ASI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/4/2009

API No. 15
023-20629-0000

Company Rosewood Resources, Inc.		Lease R. Walter		Well Number 21-21	
County Cheyenne	Location NENW/4	Section 21	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/22/2005		Plug Back Total Depth 1518'		Packer Set at	
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1518'	Perforations 1371'	To 1403'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production		Pump Unit or Traveling Plunger? Yes / (No)	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1403'		Pressure Taps Flange		Gas Gravity - G _g .6	
Pressure Buildup: Shut in 8-3 20 09 at 10:35 (AM) (PM) Taken 8-4 20 09 at 10:50 (AM) (PM)		Well on Line: Started 8-4 20 09 at 10:50 (AM) (PM) Taken 8-5 20 09 at 11:35 (AM) (PM)			

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						130	144.4				
Flow						150	164.4			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
						34		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_g)² =

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _g) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _g 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" ----- 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 November, 20 09.

Witness (if any)

For Commission

Tom W. Roelofs

For Company

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Checked by

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.

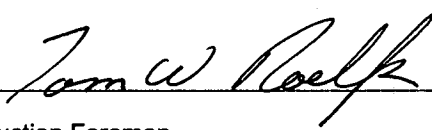
I hereby request a one-year exemption from open flow testing for the R. Walter 21-21 gas well on the grounds that said well:

(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: 11/19/09

Signature: 
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.

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W364
 R Walter 21-21
 St. Francis
 St. Francis
 None
 August-09

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
8/1/2009		145		35	0
8/2/2009		146		35	0
8/3/2009		144		35	0
8/4/2009	130	144		35	0 shut in for test
8/5/2009	150	161		8	0 open
8/6/2009		144		40	0
8/7/2009		147		36	0
8/8/2009		146		35	0
8/9/2009		144		35	0
8/10/2009		144		35	0
8/11/2009		144		35	0
8/12/2009		144		35	0
8/13/2009		143		29	0
8/14/2009		143		35	0
8/15/2009		143		35	0
8/16/2009		144		35	0
8/17/2009		150		24	0
8/18/2009		150		23	0
8/19/2009		150		25	0
8/20/2009		146		29	0
8/21/2009		144		35	0
8/22/2009		144		35	4
8/23/2009		149		32	0
8/24/2009		144		33	0
8/25/2009	130	146		27	4
8/26/2009		144		35	0
8/27/2009		143		35	0
8/28/2009		143		35	0
8/29/2009		144		35	0
8/30/2009		143		31	3
8/31/2009		143		34	0

Total 1001

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 KCC WICHITA

W364
 R Walter 21-21
 St. Francis
 St. Francis
 None
 September-09

DATE	Casing			HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF	DOWN		
9/1/2009	0	141		35	0	
9/2/2009	0	141		35	0	
9/3/2009	0	141		34	0	
9/4/2009	0	143		27	6	
9/5/2009	0	142		35	0	
9/6/2009	0	141		35	0	
9/7/2009	0	140		35	0	
9/8/2009	0	140		34	0	
9/9/2009	0	140		34	0	
9/10/2009	0	139		34	0	
9/11/2009	0	139		34	0	
9/12/2009	0	139		34	0	
9/13/2009	0	139		33	1.5	
9/14/2009	0	139		34	0	
9/15/2009	0	138		34	0	
9/16/2009	0	138		34	0	
9/17/2009	0	138		34	0	
9/18/2009	0	138		34	0	
9/19/2009	0	137		34	0	
9/20/2009	0	137		34	0	
9/21/2009	0	137		33	0	
9/22/2009	0	136		33	0	
9/23/2009	0	136		33	0	
9/24/2009	0	136		33	0	
9/25/2009	0	137		24	6	
9/26/2009	0	143		26	0	
9/27/2009	0	140		32	0	
9/28/2009	0	138		32	0	
9/29/2009	0	137		33	0	
9/30/2009	0	137		24	8	
10/1/2009	0	0		0	0	

Total

980

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