

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow **AS**
 Deliverability

Test Date:
9/28/2011

API No. 15
023-20629-00 - 00

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 <input checked="" type="radio"/> No <input type="radio"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1403'		Pressure Taps Flange		Gas Gravity - G _g .6	
Pressure Buildup: Shut in 9-27 20 11 at 10:35 (AM) (PM) Taken 9-28 20 11 at 10:50 (AM) (PM)					
Well on Line: Started 9-28 20 11 at 10:50 (AM) (PM) Taken 9-29 20 11 at 11:35 (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 _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						155	169.4				
Flow						88	102.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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
						18		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ : (P_w)² = _____ : P_o = _____ % (P_e - 14.4) + 14.4 = _____ : (P_e)² = 0.207
(P_o)² = _____


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

APR 24 2012

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: 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.

RECEIVED
APR 24 2012
KCC WICHITA

W364

R. Walter 21-21

St. Francis

St. Francis

None

September-11

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
9/1/2011	89	103		18	0
9/2/2011	89	103		18	0
9/3/2011	89	102		18	0
9/4/2011	89	102		13	0
9/5/2011	89	102		18	0
9/6/2011	89	102		18	0
9/7/2011	89	101		18	0
9/8/2011	89	102		18	0
9/9/2011	89	102		18	0
9/10/2011	89	102		18	0
9/11/2011	89	102		18	0
9/12/2011	89	102		18	0
9/13/2011	89	101		18	0
9/14/2011	88	101		18	0
9/15/2011	89	101		18	0
9/16/2011	90	102		18	0
9/17/2011	89	102		18	0
9/18/2011	89	101		18	0
9/19/2011	89	101		18	0
9/20/2011	88	101		18	0
9/21/2011	88	101		18	0
9/22/2011	88	101		18	0
9/23/2011	88	101		18	0
9/24/2011	87	101		18	0
9/25/2011	87	100		18	0
9/26/2011	87	100		18	0
9/27/2011	87	100		18	0
9/28/2011	155	101		0	24 si for state test
9/29/2011	115	144		24	0
9/30/2011	98	117		21	0
10/1/2011	0	0		0	0

Total

526

RECEIVED
APR 24 2012
KCC WICHITA

W364

R. Walter, 21-21

St. Francis

St. Francis

None

October-11

DATE	Casing			HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF	DOWN		
10/1/2011	94	109		19	0	
10/2/2011	93	106		19	0	
10/3/2011	91	105		18	0	
10/4/2011	90	104		18	0	
10/5/2011	90	102		18	0	
10/6/2011	89	102		18	0	
10/7/2011	89	102		18	0	
10/8/2011	89	102		18	0	
10/9/2011	89	102		18	0	
10/10/2011	89	102		18	0	
10/11/2011	89	106		18	0	
10/12/2011	88	101		18	0	
10/13/2011	88	101		18	0	
10/14/2011	88	101		18	0	
10/15/2011	88	101		18	0	
10/16/2011	88	101		18	0	
10/17/2011	88	101		18	0	
10/18/2011	88	101		18	0	
10/19/2011	89	103		18	0	
10/20/2011	89	101		18	0	
10/21/2011	88	101		18	0	
10/22/2011	88	101		18	0	
10/23/2011	89	101		18	0	
10/24/2011	88	101		18	0	
10/25/2011	88	101		18	0	
10/26/2011	88	100		18	0	
10/27/2011	98	101		18	0	
10/28/2011	104	103		18	0	
10/29/2011	92	102		18	0	
10/30/2011	88	102		18	0	
10/31/2011	88	100		18	0	

Total

560

RECEIVED
APR 24 2012
KCC WICHITA

W364

R Walter 21-21

St. Francis

St. Francis

None

November-11

DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)	
	PSI	STATIC	MCF			
11/1/2011	87	100		18	0	
11/2/2011	87	100		18	0	
11/3/2011	88	100		17	0	
11/4/2011	101	101		11	0	rpacd bat w/used bat. Old bat was installed new on
11/5/2011	101	101		16	0	
11/6/2011	91	100		18	0	
11/7/2011	94	100		11	0	
11/8/2011	87	104		17	0	
11/9/2011	99	100		17	0	
11/10/2011	94	102		18	0	
11/11/2011	87	102		17	0	
11/12/2011	87	100		17	0	
11/13/2011	87	99		15	0	
11/14/2011	95	99		17	0	
11/15/2011	91	100		17	0	
11/16/2011	92	100		17	0	
11/17/2011	98	104		23	0	
11/18/2011	101	102		18	0	
11/19/2011	86	100		17	0	
11/20/2011	85	102		18	0	
11/21/2011	87	101		17	0	
11/22/2011	87	99		11	0	replaced bat
11/23/2011	89	99		14	0	
11/24/2011	89	100		17	0	
11/25/2011	87	99		17	0	
11/26/2011	87	99		17	0	
11/27/2011	88	101		17	0	
11/28/2011	87	100		17	0	
11/29/2011	86	99		15	0	
11/30/2011	87	99		17	0	
12/1/2011	0	0		0	0	

Total

496

RECEIVED
APR 24 2012
KCC WICHITA