

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **ASI**
 Deliverability

Test Date:
8/23/2012

API No. 15
023-20663-0000

Company Rosewood Resources, Inc.		Lease R. Walter		Well Number 32-21	
County Cheyenne	Location SWNE	Section 21	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 3/12/2006		Plug Back Total Depth 1548'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1549'	Perforations 1370'	To 1402'
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? <input checked="" type="radio"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1402'		Pressure Taps Flange		Gas Gravity - G _g .6	
				(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-22		20 12 at 10:45		(AM)(PM) Taken 8-23	
Well on Line: Started 8-23		20 12 at 10:55		(AM)(PM) Taken 8-24	
				20 12 at 11:45 (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 (P _m)	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						111	125.4				
Flow						47	61.4			24	

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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						19		

(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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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 December, 20 12.

Witness (if any)

Janell Cowell
For Company

For Commission

Checked by

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Form G-2
(Rev. 7/03)

JAN 03 2013

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 32-21 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: 12/19/12

Signature: Donnell Geisler
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.

W371

R Walter 32-21

St. Francis

St. Francis

Pumping Unit

August-12

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DATE	Tubing Casing			SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI	STATIC MCF				
8/1/2012		43	56	10			
8/2/2012		46	59	10			
8/3/2012		45	58	10			
8/4/2012		45	58	10			
8/5/2012		46	59	10			
8/6/2012		43	56	10			
8/7/2012		50	63	10			
8/8/2012		48	61	10			
8/9/2012		48	61	10			
8/10/2012		64	77	10			
8/11/2012		49	62	10	1.5		
8/12/2012		43	56	10			
8/13/2012		41	54	10			
8/14/2012		41	54	10			
8/15/2012		57	70	10			
8/16/2012		42	55	10			
8/17/2012		40	53	10			
8/18/2012		43	56	10			
8/19/2012		43	56	10			
8/20/2012		43	56	10			
8/21/2012		42	55	10			
8/22/2012		42	55	10			
8/23/2012		111	57	0	24		si for state test cp-49 reopened cp-111
8/24/2012		47	60	12			
8/25/2012		47	60	12			
8/26/2012		44	57	12			
8/27/2012		44	57	12			
8/28/2012		43	56	11	6	12	restart pu
8/29/2012		45	58	12	6	12	17 5 min bt
8/30/2012		46	59	14	6	12	18
8/31/2012		46	59	15	6	12	16

Total

320

51

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R Walter 32-21

St. Francis

St. Francis

Pumping Unit

September-12

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BLS	REMARKS (Maximum length 110 characters)
	PSI	PSI					
9/1/2012		46	59	16	6	12	17
9/2/2012		46	59	16	6	12	20
9/3/2012		46	59	16	6	12	17 5 min bt
9/4/2012		46	59	16	6	12	1 21 0 mcf
9/5/2012		65	78	15	6	12	16 0 mcf
9/6/2012		45	58	16	6	6	6 pu off hfp
9/7/2012		111	124	0	6	0	19 0 replaced bat
9/8/2012		115	128	0	6	0	24 0
9/9/2012		117	130	0	6	0	24 0
9/10/2012		118	131	0	6	0	24 0
9/11/2012		119	132	0	6	0	24 0
9/12/2012		121	134	0	6	0	24 0
9/13/2012		104	117	3	6	0	10 0
9/14/2012		94	107	20	6	0	0
9/15/2012		90	103	23	6	0	0
9/16/2012		88	101	18	6	0	0
9/17/2012		73	86	17	6	0	0
9/18/2012		48	61	15	6	6	6 restart pu
9/19/2012		67	80	15	6	6	6 pu off hfp
9/20/2012		37	50	16	6	6	6 restart pu
9/21/2012		40	53	16	6	12	12
9/22/2012		39	52	17	6	12	13
9/23/2012		39	52	17	6	12	14
9/24/2012		48	61	18	6	12	14
9/25/2012		50	63	18	6	12	13
9/26/2012		49	62	18	6	12	12
9/27/2012		59	72	18	6	12	11
9/28/2012		50	63	19	6	12	17 5 min bt
9/29/2012		49	62	19	6	12	15
9/30/2012		50	63	19	6	12	17
10/1/2012							

Total

401

253

W371
 R Walter 32-21
 St. Francis
 St. Francis
 Pumping Unit
 October-12

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DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
10/1/2012		50	63	19	6	12	17	
10/2/2012		50	63	19	6	12	15	
10/3/2012		50	63	19	6	12	17	5 min bt
10/4/2012		46	59	20	6	12	13	
10/5/2012		48	61	20	6	12	17	
10/6/2012		47	60	20	6	12	16	
10/7/2012		47	60	20	6	12	15	
10/8/2012		48	61	20	6	12	17	
10/9/2012		48	61	20	6	12	16	
10/10/2012		49	62	20	6	12	18	
10/11/2012		51	64	20	6	12	16	5.5 min bt greased
10/12/2012		48	61	20	6	12	15	
10/13/2012		49	62	20	6	12	17	
10/14/2012		56	69	19	6	12	15	
10/15/2012		50	63	21	6	12	18	
10/16/2012		55	68	20	6	12	1	16 5.25 min bt
10/17/2012		47	60	21	6	12	13	
10/18/2012		48	61	21	6	12	12	
10/19/2012		48	61	21	6	12	15	
10/20/2012		49	62	21	6	12	16	
10/21/2012		50	63	21	6	12	15	
10/22/2012		50	63	21	6	12	14	
10/23/2012		48	61	21	6	12	17	
10/24/2012		47	60	21	6	12	15	
10/25/2012		43	56	21	6	12	16	
10/26/2012		47	60	21	6	12	16	5.5 min bt
10/27/2012		46	59	21	6	12	15	
10/28/2012		45	58	22	6	12	16	
10/29/2012		53	66	22	6	6	2	8 pu off hfp
10/30/2012		66	79	17	6	0	0	
10/31/2012		43	56	21	6	6	8	restart pu

Total

630

454