

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **AST**
 Deliverability

Test Date:
2/4/2010

API No. 15
181-20529-00 - 00

Company Rosewood Resources, Inc.		Lease Whitmore		Well Number 21-29	
County Sherman	Location NENW/4	Section 29	TWP 7S	RNG (E/W) 39W	Acres Attributed 80
Field Goodand		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 6/5/08		Plug Back Total Depth 1209'	Packer Set at		
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1209'	Perforations 1034'	To 1064'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe) Single (Conventional)	Type Fluid Production DryGas	Pump Unit or Traveling Plunger? flowing	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Producing Thru (Annulus / Tubing) Annulus	% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1220'	Pressure Taps Flange	(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 2-3	20 10 at 11:20	(AM) (PM) Taken 2-4	20 10 at 11:35 (AM) (PM)
Well on Line: Started 2-4	20 10 at 11:35	(AM) (PM) Taken 2-5	20 10 at 12:20 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 72 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						53	67.4				
Flow						54	68.4			72	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _v) 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
						56		

(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: 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 16 day of December, 20 10

Witness (if any)

For Commission

Jannell Grew

For Company
Checked by _____

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JAN 26 2011

CONSERVATION DIVISION
WICHITA, KS

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.

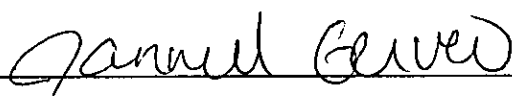
I hereby request a one-year exemption from open flow testing for the Whitmore 21-29 gas well on the grounds that said well:

(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: 12/16/10

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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W2580
 Whitmore 21-29
 North Goodland
 Goodland
 None
 February-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
2/1/2010	53	66	45	0	cd
2/2/2010	54	67	36	22	
2/3/2010	54	67	26	24	
2/4/2010	55	68	23	24	
2/5/2010	54	67	56	0	
2/6/2010	53	66	45	1.5	
2/7/2010	53	66	45	1	
2/8/2010	53	66	45	0	
2/9/2010	53	66	43	18	opened up
2/10/2010	49	62	68	24	
2/11/2010	51	64	50	24	nb, meth
2/12/2010	49	62	86	15	
2/13/2010	51	64	89	24	
2/14/2010	49	62	101	12	
2/15/2010	49	62	104	18	
2/16/2010	48	61	103	8	pinched to 64mcf
2/17/2010	54	67	30	8	
2/18/2010	54	67	51	8	
2/19/2010	53	66	55	6	
2/20/2010	53	66	56	5	
2/21/2010	53	66	56	0	
2/22/2010	53	66	53	0	
2/23/2010	53	66	51	1	
2/24/2010	53	66	53	0	
2/25/2010	53	66	55	1.5	
2/26/2010	53	66	55	5.5	
2/27/2010	53	66	57	1	
2/28/2010	53	66	56	0	
3/1/2010	0	0	0	0	
3/2/2010	0	0	0	0	
3/3/2010	0	0	0	0	

Total

1593

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W2580
 Whitmore 21-29
 North Goodland
 Goodland
 None
 March-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
3/1/2010	53	66	66	57	0
3/2/2010	53	66	66	57	0
3/3/2010	53	66	66	57	1.5
3/4/2010	53	66	66	56	5
3/5/2010	53	66	66	54	7.5
3/6/2010	53	66	66	57	0
3/7/2010	52	65	65	57	0
3/8/2010	52	65	65	56	0
3/9/2010	52	65	65	56	0
3/10/2010	52	65	65	57	0 opened to 67mcf
3/11/2010	52	65	65	66	0 bp
3/12/2010	51	64	64	67	0
3/13/2010	51	64	64	66	0
3/14/2010	51	64	64	65	3.5
3/15/2010	51	64	64	66	0
3/16/2010	51	64	64	66	0
3/17/2010	51	64	64	66	0
3/18/2010	51	64	64	66	0 cal
3/19/2010	51	64	64	63	0 bp
3/20/2010	51	64	64	66	0
3/21/2010	51	64	64	63	0
3/22/2010	51	64	64	65	0 opened to 77mcf
3/23/2010	50	63	63	76	0
3/24/2010	50	63	63	76	0
3/25/2010	49	62	62	76	0
3/26/2010	49	62	62	76	0
3/27/2010	49	62	62	76	0
3/28/2010	49	62	62	76	0
3/29/2010	49	62	62	75	0
3/30/2010	49	62	62	75	0
3/31/2010	49	62	62	74	0

Total

2029

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