

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **ASI**
 Deliverability

Test Date:
2/4/2010

API No. 15
181-20426-01-00

Company Rosewood Resources, Inc.		Lease G. Ibrig		Well Number 34-20H	
County Sherman	Location SWSE/	Section 20	TWP 7S	RNG (E/W) 39W	Acres Attributed 80
Field Goodland		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9-22-2006		Plug Back Total Depth 2966.73'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.000	Set at 2966.73'	Perforations 2803'	To 2823'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe) Single (Horizontal)	Type Fluid Production Dry Gas	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) 2499'	Pressure Taps Flange	(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 2-3	20 10 at 11:05	(AM) (PM) Taken 2-4	20 10 at 11:20 (AM)(PM)
Well on Line: Started 2-4	20 10 at 11:20	(AM) (PM) Taken 2-5	20 10 at 12:05 (AM)(PM)

OBSERVED SURFACE DATA

Duration of Shut-in 72 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 _c) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						48	62.4				
Flow						25	39.4			72	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (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
						41		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_a = _____ % (P_c - 14.4) + 14.4 = _____ : (P_w)² = 0.207
(P_c)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _w) ²	(P _w) ² - (P _a) ²	Choose formula 1 or 2: 1. P _o ² - P _a ² 2. P _o ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	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 16 day of December, 20 10.

Witness (if any)

For Commission

Dannell Gerwe
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 G. Ihrig 34-20H 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: *Jannell Gerwe*

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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WICHITA, KS

W2108
 G. Ihrig 34-20H
 North Goodland
 Goodland
 None
 February-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
2/1/2010	15	28	48	0	cd
2/2/2010	22	35	12	22	
2/3/2010	47	60	0	24	
2/4/2010	49	62	0	24	
2/5/2010	25	38	49	0	
2/6/2010	17	30	49	1.5	
2/7/2010	16	29	49	1	
2/8/2010	15	28	47	0	
2/9/2010	19	32	44	18	
2/10/2010	26	39	10	24	
2/11/2010	48	61	0	24	bp
2/12/2010	31	44	16	15	
2/13/2010	40	53	2	24	
2/14/2010	32	45	20	12	
2/15/2010	29	42	18	18	
2/16/2010	29	42	22	8	
2/17/2010	25	38	30	8	
2/18/2010	21	34	40	8	
2/19/2010	21	34	39	6	
2/20/2010	18	31	41	5	
2/21/2010	16	29	45	0	
2/22/2010	14	27	46	0	
2/23/2010	13	26	45	1	
2/24/2010	13	26	45	0	
2/25/2010	14	27	42	1.5	
2/26/2010	18	31	37	5.5	
2/27/2010	13	26	41	1	
2/28/2010	13	26	41	0	
3/1/2010	0	0	0	0	
3/2/2010	0	0	0	0	
3/3/2010	0	0	0	0	

Total

878

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 WICHITA, KS

W2108
 G. Ihrig 34-20H
 North Goodland
 Goodland
 None
 March-10

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
3/1/2010	12	25	41	0	
3/2/2010	12	25	41	0	
3/3/2010	12	25	40	0	
3/4/2010	13	26	39	0	
3/5/2010	17	30	29	0	
3/6/2010	11	24	41	0	
3/7/2010	11	24	41	0	
3/8/2010	10	23	40	0	
3/9/2010	10	23	40	0	
3/10/2010	10	23	40	0	
3/11/2010	10	23	40	0	0 bp
3/12/2010	10	23	39	0	
3/13/2010	10	23	39	0	
3/14/2010	12	25	37	0	
3/15/2010	10	23	39	0	
3/16/2010	10	23	39	0	
3/17/2010	10	23	39	0	
3/18/2010	10	23	38	0	0 cal
3/19/2010	10	23	35	0	0 bp
3/20/2010	10	23	38	0	
3/21/2010	9	22	39	0	
3/22/2010	10	23	39	0	
3/23/2010	9	22	38	0	
3/24/2010	9	22	38	0	0 opened all way 40mcf
3/25/2010	9	22	38	0	
3/26/2010	9	22	38	0	
3/27/2010	9	22	38	0	
3/28/2010	9	22	38	0	
3/29/2010	9	22	37	0	
3/30/2010	9	22	37	0	
3/31/2010	10	23	36	0	

Total

1191

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