

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
- Deliverability

SI

Test Date:
8/11/2009

API No. 15
023-20666-0000

Company Rosewood Resources, Inc.			Lease Heim		Well Number 31-33
County Cheyenne	Location NWNE	Section 33	TWP 2S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 3/29/2006		Plug Back Total Depth 1799'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1799.86'	Perforations 1616'	To 1648'
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="checkbox"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1614'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-10 20 09 at 1:55 (AM) <input checked="" type="checkbox"/> PM		Taken 8-11 20 09 at 2:10 (AM) <input checked="" type="checkbox"/> PM			
Well on Line: Started 8-11 20 09 at 2:10 (AM) <input checked="" type="checkbox"/> PM		Taken 8-12 20 09 at 2:55 (AM) <input checked="" type="checkbox"/> PM			

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						60	74.4				
Flow						160	174.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _s) 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
						45		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_d)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 _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" 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 20 day of November, 2009.

Witness (if any)

For Commission

Tom W. Raetz
For Company

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Checked by _____ NOV 30 2009

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.

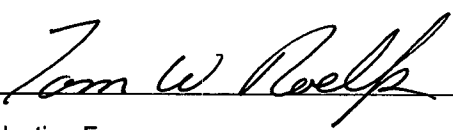
I hereby request a one-year exemption from open flow testing for the Heim 31-33 gas well on the grounds that said well:

(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: 11/20/09

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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CONSERVATION DIVISION
WICHITA, KS

W436
 Heim 31-33
 West St. Francis
 St. Francis
 None
 August-09

DATE	Tubing Casing		STATIC MCF	SPM	CYCL	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
8/1/2009			65	57	7	12	0	22
8/2/2009			65	58	7	12	0	21
8/3/2009			82	73	7	12	0	22
8/4/2009			82	73	7	12	0	23
8/5/2009			83	65	7	12	0	22
8/6/2009			83	65	7	12	0	11 pump off/restarted
8/7/2009			88	69	7	12	0	22
8/8/2009			83	65	7	12	0	21
8/9/2009			84	65	7	12	0	22
8/10/2009			88	76	7	12	0	23 PU OFF
8/11/2009		60	84	60	7	12	0	0 shut in for test
8/12/2009		160	77	17	7	12	0	0 open
8/13/2009			88	69	7	12	0	22 started pumping unit
8/14/2009			89	77	7	12	0	21
8/15/2009			65	74	7	12	0	22
8/16/2009			63	69	0	0	0	0 pu off
8/17/2009			142	49	0	0	0	0
8/18/2009			138	47	0	0	0	0
8/19/2009			143	57	0	0	0	0
8/20/2009			61	62	0	0	0	0
8/21/2009			57	55	0	0	0	0
8/22/2009			56	56	0	0	4	0
8/23/2009			111	45	0	0	0	0
8/24/2009			115	45	0	0	0	0
8/25/2009			100	42	0	0	4	0
8/26/2009			57	44	7	12	0	0 started pump
8/27/2009			57	52	7	12	0	22
8/28/2009			59	57	7	12	0	21
8/29/2009			126	59	7	12	0	22
8/30/2009			85	58	7	12	3	23
8/31/2009			83	59	7	12	0	22

Total

1819

384

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CONSERVATION DIVISION
 WICHITA, KS

W436
 Heim 31-33
 West St. Francis
 St. Francis
 None
 September-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs
9/1/2009		0	83	60	7	12	0
9/2/2009		0	82	60	7	12	0
9/3/2009		0	61	60	7	12	0
9/4/2009		0	94	55	7	12	6
9/5/2009		0	84	61	7	12	0
9/6/2009		0	81	61	7	12	0
9/7/2009		0	81	61	7	12	0
9/8/2009		0	81	61	7	12	0
9/9/2009		0	61	62	7	12	0
9/10/2009		0	59	62	7	12	0
9/11/2009		0	56	62	7	12	0
9/12/2009		0	56	62	7	12	0
9/13/2009		0	66	62	7	12	1.5
9/14/2009		0	80	62	7	12	0
9/15/2009		0	80	62	7	12	0
9/16/2009		0	64	63	7	12	0
9/17/2009		0	56	63	7	12	0
9/18/2009		0	56	63	7	12	0
9/19/2009		0	65	63	7	12	0
9/20/2009		0	79	63	7	12	0
9/21/2009		0	80	63	7	12	0
9/22/2009		0	78	63	7	12	0
9/23/2009		0	58	63	7	12	0
9/24/2009		0	70	63	0	0	0
9/25/2009		0	95	49	0	0	0
9/26/2009		0	122	61	0	0	0
9/27/2009		0	105	54	0	0	0
9/28/2009		0	98	51	0	0	0
9/29/2009		0	79	49	0	0	0
9/30/2009		0	87	38	0	0	8
10/1/2009		0	0	0	0	0	0

Total

1782

496

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CONSERVATION DIVISION
 WICHITA, KS

W436
 Heim 31-33
 West St. Francis
 St. Francis
 None
 October-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs
10/1/2009		0	122	54	0	0	0
10/2/2009		0	99	48	0	0	0
10/3/2009		0	87	45	0	0	0
10/4/2009		0	83	44	0	0	1
10/5/2009		0	68	42	0	0	0
10/6/2009		0	81	41	0	0	0
10/7/2009		0	70	42	0	0	0
10/8/2009		0	91	51	0	0	0
10/9/2009		0	96	48	0	0	0
10/10/2009		0	87	34	0	0	0
10/11/2009		0	81	40	0	0	0
10/12/2009		0	77	39	0	0	0
10/13/2009		0	78	38	0	0	0
10/14/2009		0	79	38	0	0	0
10/15/2009		0	85	37	0	0	0
10/16/2009		0	100	37	0	0	2.5
10/17/2009		0	66	37	0	0	0
10/18/2009		0	64	36	0	0	0
10/19/2009		0	71	36	0	0	0
10/20/2009		0	74	35	0	0	0
10/21/2009		0	66	35	0	0	0
10/22/2009		0	65	35	0	0	0
10/23/2009		0	64	35	0	0	0
10/24/2009		0	66	34	0	0	0
10/25/2009		0	69	34	0	0	0
10/26/2009		0	63	34	0	0	0
10/27/2009		0	63	34	0	0	0
10/28/2009		0	66	33	0	0	0
10/29/2009		0	66	33	0	0	0
10/30/2009		0	70	33	0	0	0
10/31/2009		0	70	33	0	0	0

Total

1195

0

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 WICHITA, KS