

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/12/2009

API No. 15
023-20664-00 **00**

Company Rosewood Resources, Inc.			Lease Hilt		Well Number 13-33
County Cheyenne	Location NWSW	Section 33	TWP 2S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 3/30/2006		Plug Back Total Depth 1777'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1777.49'	Perforations 1618'	To 1646'
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? Pumping Unit		<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1646'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-11		20 09 at 1:35	(AM) (PM) Taken 8-12	20 09 at 1:50	(AM) (PM)
Well on Line: Started 8-12		20 09 at 1:50	(AM) (PM) Taken 8-13	20 09 at 2:35	(AM) (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 _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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						22		

(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" 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 20 day of November, 20 09.

Witness (if any)

For Commission

Tom W. Raelf
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.

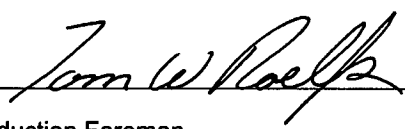
I hereby request a one-year exemption from open flow testing for the Hilt 13-33 gas well on the grounds that said well:

(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

W437
 Hilt 13-33
 West St. Francis
 St. Francis
 None
 August-09

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	Water	REMARKS
	PSI	PSI							
8/1/2009			59	22	7	15	0	28	
8/2/2009			59	22	7	15	0	27	
8/3/2009			79	22	7	15	0	26	
8/4/2009			79	22	7	15	0	27	
8/5/2009			82	22	7	15	0	27	
8/6/2009			82	22	7	15	0	26	
8/7/2009			84	22	7	15	0	27	
8/8/2009			82	22	7	15	0	28	
8/9/2009			82	22	7	15	0	27	
8/10/2009			84	22	0	0	0	0	0 PU OFF
8/11/2009			75	20	0	0	0	0	
8/12/2009		60	70	17	0	0	0	0	0 shut in for test
8/13/2009		160	70	4	0	0	0	0	0 open
8/14/2009			80	20	7	15	0	0	
8/15/2009			62	21	7	15	0	27	
8/16/2009			58	23	0	0	0	0	0 PU OFF
8/17/2009			141	20	0	0	0	0	
8/18/2009			141	17	0	0	0	0	
8/19/2009			141	15	0	0	0	0	
8/20/2009			56	15	7	15	0	0	0 started pump
8/21/2009			62	20	7	15	0	25	
8/22/2009			55	21	7	15	4	26	
8/23/2009			90	21	7	15	0	27	
8/24/2009			94	21	7	15	0	26	
8/25/2009			57	22	7	15	0	25	
8/26/2009			53	22	7	15	0	26	
8/27/2009			54	22	7	15	0	27	
8/28/2009			55	22	7	15	0	26	
8/29/2009			141	22	7	15	0	27	
8/30/2009			83	21	7	15	3	26	
8/31/2009			80	22	7	15	0	27	

Total

628

558

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 CONSERVATION DIVISION
 WICHITA, KS

W437
 Hilt 13-33
 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	81	22	7	15	0	27
9/2/2009		0	79	22	7	15	0	26
9/3/2009		0	57	22	7	15	0	28
9/4/2009		0	90	21	7	15	6	25
9/5/2009		0	82	22	7	15	0	27
9/6/2009		0	78	22	7	15	0	26
9/7/2009		0	78	22	7	15	0	26
9/8/2009		0	78	22	7	15	0	25
9/9/2009		0	57	22	7	15	0	26
9/10/2009		0	55	22	7	15	0	27
9/11/2009		0	52	21	7	15	0	26
9/12/2009		0	51	21	7	15	0	25
9/13/2009		0	63	21	7	15	1.5	26
9/14/2009		0	77	21	7	15	0	26
9/15/2009		0	77	21	7	15	0	27
9/16/2009		0	60	22	7	15	0	28
9/17/2009		0	52	22	7	15	0	26
9/18/2009		0	51	22	7	15	0	25
9/19/2009		0	61	22	7	15	0	22
9/20/2009		0	76	22	7	15	0	23
9/21/2009		0	77	22	7	15	0	21
9/22/2009		0	75	22	7	15	0	22
9/23/2009		0	54	22	7	15	0	23
9/24/2009		0	66	21	0	0	0	0
9/25/2009		0	90	16	0	0	6	0
9/26/2009		0	121	18	0	0	0	0
9/27/2009		0	103	14	0	0	0	0
9/28/2009		0	96	13	0	0	0	0
9/29/2009		0	76	13	0	0	0	0
9/30/2009		0	85	10	0	0	8	0
10/1/2009		0	0	0	0	0	0	0

Total

605

583

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CONSERVATION DIVISION
 WICHITA, KS

W437
 Hilt 13-33
 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	14	0	0	0	0
10/2/2009		0	98	11	0	0	0	0
10/3/2009		0	85	11	0	0	0	0
10/4/2009		0	81	11	0	0	1	0
10/5/2009		0	66	10	0	0	0	0
10/6/2009		0	79	10	0	0	0	0
10/7/2009		0	67	2	0	0	0	0
10/8/2009		0	76	1	0	0	0	0
10/9/2009		0	89	0	0	0	0	0
10/10/2009		0	85	1	0	0	0	0
10/11/2009		0	79	3	0	0	0	0
10/12/2009		0	75	4	0	0	0	0
10/13/2009		0	76	2	0	0	0	0
10/14/2009		0	77	2	0	0	0	0
10/15/2009		0	83	2	0	0	0	0
10/16/2009		0	91	0	0	0	2.5	0
10/17/2009		0	68	1	0	0	0	0
10/18/2009		0	62	1	0	0	0	0
10/19/2009		0	63	0	0	0	0	0
10/20/2009		0	67	0	0	0	0	0
10/21/2009		0	63	0	0	0	0	0
10/22/2009		0	62	0	0	0	0	0
10/23/2009		0	62	1	0	0	0	0
10/24/2009		0	62	0	0	0	0	0
10/25/2009		0	64	0	0	0	0	0
10/26/2009		0	62	0	0	0	0	0
10/27/2009		0	61	1	0	0	0	0
10/28/2009		0	63	1	0	0	0	0
10/29/2009		0	64	1	0	0	0	0
10/30/2009		0	65	1	0	0	0	0
10/31/2009		0	64	1	0	0	0	0

Total

92

0

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