

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow **AST**
 Deliverability

Test Date:
5/9/2011

API No. 15
023-20613-00 - 00

Company Rosewood Resources, Inc.		Lease Willard		Well Number 1-26	
County Cheyenne	Location NW NE/4	Section 26	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 5/27/2005		Plug Back Total Depth 1506'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1506'	Perforations 1294'	To 1328'
Tubing Size NONE 2 3/8"	Weight	Internal Diameter	Set at 1358'	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) 1328'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5-8		20 11 at 8:20		(AM)(PM) Taken 5-9	
Well on Line: Started 5-9		20 11 at 8:35		(AM)(PM) Taken 5-10	
				20 11 at 8:35 (AM)(PM)	
				20 11 at 9:20 (AM)(PM)	

OBSERVED SURFACE DATA

Duration of Shut-In 24 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 ₁) or (P _e)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						139	153.4				
Flow						59	73.4			24	

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
						12		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_o)² = _____ : (P_w)² = _____ : P_e = _____ % (P_e - 14.4) + 14.4 = _____ : (P_o)² = 0.207
(P_o)² = _____

(P _o) ² - (P _e) ² or (P _o) ² - (P _w) ²	(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _w ² 2. P _e ² - P _o ² divided by: P _e ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_e^2 - P_w^2}{P_o^2 - P_w^2}$	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 28 day of December, 20 11.

Witness (if any)

For Commission

Jannell Geisler

For Company

Checked by

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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 Willard 1-26 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: 12/28/11

Signature: 
Title: Assistant 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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W378
 Willard 01-26
 St. Francis
 St. Francis
 None
 May-11

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS	DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
5/1/2011		65	77	56	5.5	12	0	21	
5/2/2011		63	77	56	5.5	12	0	22	
5/3/2011		63	77	56	5.5	6	0	11	pu off disp
5/4/2011		62	76	50	5.5	0	0	0	greased
5/5/2011		61	74	48	5.5	0	0	0	
5/6/2011		61	74	46	5.5	0	0	0	
5/7/2011		61	74	45	5.5	0	0	0	
5/8/2011		91	73	44	5.5	0	0	0	
5/9/2011		139	98	0	5.5	0	24	0	Compressor Down
5/10/2011		92	143	22	5.5	0	0	0	
5/11/2011		64	92	58	5.5	0	0	0	
5/12/2011		61	77	48	5.5	0	0	0	
5/13/2011		59	73	45	5.5	0	0	0	
5/14/2011		57	72	44	5.5	0	0	0	
5/15/2011		56	70	43	5.5	0	0	0	
5/16/2011		56	69	42	5.5	0	0	0	
5/17/2011		56	69	41	5.5	0	0	0	
5/18/2011		56	70	41	5.5	0	0	0	
5/19/2011		55	69	40	5.5	0	0	0	
5/20/2011		55	69	40	5.5	0	0	0	
5/21/2011		55	69	39	5.5	0	0	0	
5/22/2011		76	82	39	5.5	0	0	0	
5/23/2011		57	74	39	5.5	0	0	0	
5/24/2011		56	69	38	5.5	0	0	0	
5/25/2011		56	69	38	5.5	0	0	0	
5/26/2011		56	69	37	5.5	6	0	11	restart pu
5/27/2011		57	70	41	5.5	12	0	22	
5/28/2011		59	74	45	5.5	12	0	21	
5/29/2011		59	72	47	5.5	12	0	23	
5/30/2011		59	72	48	5.5	12	0	22	
5/31/2011		59	72	48	5.5	12	0	21	

Total

1324

174

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W378

Willard 01-26

St. Francis

St. Francis

None

June-11

DATE	Tubing Casing				HRS	Water	REMARKS (Maximum length 110 characters)	
	PSI	PSI	STATIC MCF	SPM				CYCLE DOWN
6/1/2011		77	81	48	5.5	12	0	21
6/2/2011		60	81	49	5.5	12	0	20
6/3/2011		60	73	50	5.5	12	0	21
6/4/2011		59	73	50	5.5	12	0	20
6/5/2011		60	73	51	5.5	12	0	19
6/6/2011		60	74	51	5.5	12	0	20
6/7/2011		58	74	51	5.5	12	0	21
6/8/2011		59	72	52	5.5	12	0	24 3.5 min bt
6/9/2011		59	74	52	5.5	12	0	23
6/10/2011		61	73	52	5.5	12	0	22
6/11/2011		61	74	53	5.5	12	0	21
6/12/2011		60	74	53	5.5	12	0	25
6/13/2011		61	74	53	5.5	12	0	23
6/14/2011		61	74	53	5.5	12	0	24
6/15/2011		59	73	53	5.5	12	0	22
6/16/2011		65	81	53	5.5	12	0	21 4 min bt
6/17/2011		64	77	54	5.5	12	0	20
6/18/2011		64	76	54	5.5	12	0	19
6/19/2011		63	76	54	5.5	12	0	18
6/20/2011		63	77	54	5.5	12	0	19
6/21/2011		64	76	54	5.5	12	0	22
6/22/2011		63	77	54	5.5	12	0	19
6/23/2011		78	99	48	5.5	12	1	20 4.25 min bt greased
6/24/2011		64	81	50	5.5	12	0	21
6/25/2011		62	76	44	5.5	12	0	19
6/26/2011		62	76	43	5.5	6	0	13 pu off hole in tubing
6/27/2011		62	75	42	5.5	0	0	0
6/28/2011		62	75	41	5.5	0	0	0
6/29/2011		63	75	41	5.5	0	0	0 pu off hole in tubing
6/30/2011		63	76	40	5.5	12	0	0
7/1/2011		0	0	0	0	0	0	0

Total

1497

537

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W378
 Willard 01-26
 St. Francis
 St. Francis
 None
 July-11

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
7/1/2011	63	75	40	5.5	0	0	0	pu off hole in tubing
7/2/2011	63	75	40	5.5	0	0	0	
7/3/2011	63	75	39	5.5	0	0	0	
7/4/2011	63	76	39	5.5	0	0	0	pu off hole in tubing
7/5/2011	63	75	38	5.5	0	0	0	
7/6/2011	64	75	38	5.5	0	0	0	
7/7/2011	63	75	38	5.5	0	0	0	pu off hole in tubing
7/8/2011	62	75	37	5.5	0	0	0	
7/9/2011	62	75	37	5.5	0	0	0	
7/10/2011	62	75	37	5.5	0	0	0	pu off hole in tubing
7/11/2011	62	75	36	5.5	0	0	0	
7/12/2011	61	74	36	5.5	0	0	0	
7/13/2011	53	73	36	5.5	0	1	0	pu off hole in tubing
7/14/2011	61	74	35	5.5	0	0	0	
7/15/2011	61	75	35	5.5	0	0	0	
7/16/2011	63	75	35	5.5	0	0	0	pu off hole in tubing
7/17/2011	63	79	35	5.5	0	0	0	
7/18/2011	86	76	35	5.5	0	0	0	
7/19/2011	64	83	34	5.5	0	2	0	pu off hole in tubing
7/20/2011	62	76	34	5.5	0	0	0	
7/21/2011	74	86	34	5.5	0	0	0	
7/22/2011	58	78	34	5.5	0	0	0	pu off hole in tubing
7/23/2011	61	72	34	5.5	0	0	0	
7/24/2011	61	72	33	5.5	0	0	0	
7/25/2011	59	72	33	5.5	0	0	0	pu off hole in tubing
7/26/2011	58	72	33	5.5	0	0	0	
7/27/2011	59	72	33	5.5	0	0	0	
7/28/2011	60	72	33	5.5	0	0	0	pu off hole in tubing
7/29/2011	71	84	32	5.5	0	0	0	
7/30/2011	61	80	33	5.5	0	0	0	
7/31/2011	61	76	33	5.5	0	0	0	pu off hole in tubing

Total

1099

0

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