

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **ASIS**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
7/26/2012

API No. 15
023-20606-0000

Company Rosewood Resources, Inc.		Lease Miller		Well Number 2-13	
County Cheyenne	Location NW SW/4	Section 13	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 7/1/2005		Plug Back Total Depth 1464'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1464'	Perforations 1270'	To 1302'
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 Yes	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1302'		Pressure Taps Flange		Gas Gravity - G _g .6	
				(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-25		20	12	at 8:45	(AM) (PM) Taken 7-26
					20 12 at 9:00 (AM) (PM)
Well on Line: Started 7-26		20	12	at 9:00	(AM) (PM) Taken 7-27
					20 12 at 9:45 (AM) (PM)

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OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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						134	148.4				
Flow						79	93.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _a) 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
						39		

(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: 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 19 day of December, 20 12.

Witness (if any)

For Commission

Januel Grew
For Company

Checked by

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Form G-2
(Rev. 7/03)

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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.

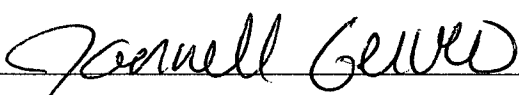
I hereby request a one-year exemption from open flow testing for the Miller 2-13 gas well on the grounds that said well:

(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: 12/19/12

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.

W358
 Miller 2-13
 St. Francis
 St. Francis
 None
 July-12
 FloBoss

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DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	Water	REMARKS
	PSI	PSI							
7/1/2012		65	78	37	6	13		23	
7/2/2012		53	66	37	6	13	3	24	
7/3/2012		70	83	34	6	6.5		12	pu off hfp
7/4/2012		52	65	32	6	6.5		12	restart pu
7/5/2012		52	65	33	6	13		24	
7/6/2012		80	93	35	6	13	1	25	
7/7/2012		57	70	35	6	13		24	
7/8/2012		59	72	35	6	13		23	
7/9/2012		56	69	36	6	13		21	
7/10/2012		56	69	36	6	13		19	
7/11/2012		54	67	36	6	13		20	
7/12/2012		58	71	36	6	13		21	
7/13/2012		53	66	36	6	13		20	
7/14/2012		53	66	36	6	13		19	
7/15/2012		54	67	36	6	13		18	
7/16/2012		67	80	36	6	6	1.5	8	pu off hfp
7/17/2012		58	71	33	6	6		8	restart pu
7/18/2012		66	79	34	6	13		16	
7/19/2012		62	75	34	6	13	0.5	21	4.25 min bt
7/20/2012		60	73	36	6	13		20	
7/21/2012		62	75	36	6	13		19	
7/22/2012		57	70	36	6	13		17	
7/23/2012		63	76	36	6	13	0.5	25	3.75 min bt greased
7/24/2012		65	78	36	6	13		24	
7/25/2012		66	79	36	6	6.5		11	cp 65 si for state test
7/26/2012		134	84	0	6	3	24	5	cp 134 opened
7/27/2012		79	92	47	6	0	5	0	shut pumping unit off hfp
7/28/2012		63	76	40	6	0		0	
7/29/2012		54	67	35	6	7		13	started pumping unit
7/30/2012		52	65	37	6	13		26	
7/31/2012		51	64	38	6	13		25	

Total

1080

543

W358

Miller 2-13

St. Francis

St. Francis

None

August-12

FloBoss

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DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS	DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
8/1/2012		61	74	38	6	13		27	3.5 min bt
8/2/2012		55	68	38	6	13		25	
8/3/2012		55	68	38	6	13		24	
8/4/2012		53	66	39	6	13		23	
8/5/2012		62	75	39	6	13		21	
8/6/2012		53	66	39	6	13		19	5 min bt
8/7/2012		63	76	39	6	13		20	
8/8/2012		57	70	39	6	13		18	
8/9/2012		56	69	39	6	13		19	
8/10/2012		71	84	39	6	13		20	
8/11/2012		57	70	39	6	13	1.5	19	
8/12/2012		58	71	39	6	13		18	
8/13/2012		52	65	39	6	13		19	
8/14/2012		55	68	39	6	13		21	
8/15/2012		65	78	39	6	13		25	3.75 min bt greased
8/16/2012		55	68	39	6	13		24	
8/17/2012		53	66	39	6	13		22	
8/18/2012		62	75	39	6	13		23	
8/19/2012		61	74	39	6	13		22	
8/20/2012		52	65	39	6	13		27	3.5 min bt
8/21/2012		59	72	39	6	13		25	
8/22/2012		55	68	39	6	13		27	
8/23/2012		62	75	39	6	13		28	
8/24/2012		61	74	39	6	13		27	
8/25/2012		59	79	39	6	13		26	
8/26/2012		60	73	39	6	13		27	
8/27/2012		54	67	39	6	13		28	
8/28/2012		55	68	39	6	13		19	5 min bt
8/29/2012		56	69	39	6	13		18	
8/30/2012		54	67	39	6	13		20	
8/31/2012		54	67	39	6	13		19	

Total

1206

700

W358

Miller 2-13

St. Francis

St. Francis

None

September-12

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KCC WICHITA

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS	DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
9/1/2012		54	67	39	6	13		19	
9/2/2012		58	71	39	6	13		20	
9/3/2012		55	68	39	6	13		24	3.75 min bt
9/4/2012		54	67	39	6	13	1	19	
9/5/2012		72	85	39	6	13		22	
9/6/2012		72	85	39	6	7		11	pu off hfp
9/7/2012	129		142	10	6	0	19	0	
9/8/2012	134		147	0	6	0	24	0	
9/9/2012	137		150	0	6	0	24	0	
9/10/2012		140	153	0	6	0	24	0	
9/11/2012		142	155	0	6	0	24	0	
9/12/2012		144	157	0	6	0	24	0	
9/13/2012		110	123	38	6	0	10	0	
9/14/2012		99	112	59	6	0		0	
9/15/2012		90	103	42	6	0		0	
9/16/2012		85	98	34	6	0		0	
9/17/2012		74	87	32	6	0		0	
9/18/2012		56	69	31	6	7		10	restart pu
9/19/2012		74	87	33	6	7		10	pu off hfp
9/20/2012		48	61	30	6	7		10	restart pu
9/21/2012		50	63	34	6	13		20	
9/22/2012		49	62	35	6	13		19	
9/23/2012		49	62	35	6	13		18	
9/24/2012		53	66	35	6	13		19	
9/25/2012		57	70	35	6	13		20	
9/26/2012		62	75	36	6	13		22	
9/27/2012		65	78	36	6	13		29	3.25 min bt
9/28/2012		57	70	36	6	13		28	
9/29/2012		57	70	36	6	13		26	
9/30/2012		57	70	36	6	13		30	
10/1/2012									

Total

897

376