

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow Deliverability

SI

Test Date:
7/28/2009

API No. 15
15-023-20567 *000*

Company Rosewood Resources			Lease Miller		Well Number 1-13
County Cheyenne	Location NESW	Section 13	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 9-10-2004		Plug Back Total Depth 1457'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1500'	Perforations 1292'	To 1330'
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) 1330'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in <u>7-27</u> 20 <u>09</u> at <u>8:55</u> <i>(AM)</i> (PM) Taken <u>7-28</u> 20 <u>09</u> at <u>9:10</u> <i>(AM)</i> (PM)		Well on Line: Started <u>7-28</u> 20 <u>09</u> at <u>9:10</u> <i>(AM)</i> (PM) Taken <u>7-29</u> 20 <u>09</u> at <u>9:55</u> <i>(AM)</i> (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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 _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						45	59.4				
Flow						123	137.4			24	0

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
						70		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207

(P_d)² = _____

(P_c)² = _____ : (P_w)² = _____ : P_o = _____ % (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" ----- 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 18 day of November, 20 09

Witness (if any)

Tom W. Roelfs
For Company

For Commission

Checked by

NOV 30 2009

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.

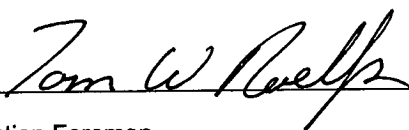
I hereby request a one-year exemption from open flow testing for the Miller 1-13 gas well on the grounds that said well:

(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: 11/18/09

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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W357
 Miller 01-13
 St. Francis
 St. Francis
 St. Francis
 July-09
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2009			53	71	6.5	16	0	29
7/2/2009			53	70	6.5	16	0	29
7/3/2009			53	70	6.5	16	0	28
7/4/2009			53	70	6.5	16	0	27
7/5/2009			53	70	6.5	16	0	28
7/6/2009			54	70	6.5	16	0	29
7/7/2009			56	70	6.5	16	0	30
7/8/2009			132	59	0	0	6	29
7/9/2009			71	52	6.5	16	0	28
7/10/2009			49	52	6.5	16	0	27
7/11/2009			47	49	6.5	16	0	28
7/12/2009			48	47	6.5	16	0	29
7/13/2009			49	45	6.5	16	0	29
7/14/2009			49	44	6.5	16	0	28
7/15/2009			53	43	6.5	16	0	27
7/16/2009			47	42	6.5	16	0	27
7/17/2009			53	41	6.5	16	0	28
7/18/2009			48	41	6.5	16	0	29 bucket test 4 min
7/19/2009			52	39	6.5	16	0	28
7/20/2009			78	37	6.5	16	7	27
7/21/2009			51	38	6.5	16	0	27
7/22/2009			56	37	6.5	16	0	28
7/23/2009			52	36	6.5	61	0	29
7/24/2009			51	36	6.5	6	0	29
7/25/2009			51	35	6.5	16	0	28
7/26/2009			51	35	6.5	16	0	27
7/27/2009			50	35	6.5	16	4	28
7/28/2009		45	48	35	0	0	0	29 shut in for test
7/29/2009		123	59	2	0	0	0	0 open
7/30/2009			69	61	6.5	16	0	0 belts broke replaced
7/31/2009			58	70	6.5	16	0	29 bucket test 4 min

Total

1502

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 KCC WICHITA

W357
 Miller 01-13
 St. Francis
 St. Francis
 St. Francis
 August-09
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2009			55	70	6.5	16	0	29	
8/2/2009			53	70	6.5	16	0	28	
8/3/2009			62	70	6.5	16	0	27	
8/4/2009			52	70	6.5	16	0	28	
8/5/2009			52	56	6.5	16	0	29	
8/6/2009			52	50	6.5	16	0	28	
8/7/2009			51	47	6.5	16	0	27	
8/8/2009			51	45	6.5	16	0	28	
8/9/2009			51	43	6.5	16	0	29	
8/10/2009			50	42	0	0	0	0	PU OFF
8/11/2009			47	40	0	0	0	0	
8/12/2009			45	40	0	0	0	0	
8/13/2009			45	39	0	0	0	0	
8/14/2009			47	39	0	0	0	0	
8/15/2009			48	37	0	0	0	0	
8/16/2009			46	37	0	0	0	0	
8/17/2009			123	35	0	0	0	0	
8/18/2009			125	35	0	0	0	0	
8/19/2009			124	35	0	0	0	0	
8/20/2009			47	36	0	0	0	0	started pump
8/21/2009			49	47	0	16	0	29	
8/22/2009			57	90	6.5	16	0	28	
8/23/2009			55	60	6.5	16	0	27	
8/24/2009			91	63	6.5	16	0	28	
8/25/2009			90	63	6.5	16	0	29	
8/26/2009			91	66	6.5	16	0	28	
8/27/2009			51	67	6.5	16	0	27	
8/28/2009			51	67	6.5	16	0	28	
8/29/2009			51	68	6.5	16	0	29	
8/30/2009			70	66	6.5	16	0	28	
8/31/2009			51	68	6.5	16	0	27	

Total

1661

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W357
 Miller 01-13
 St. Francis
 St. Francis
 St. Francis
 September-09
 FloBoss

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs
9/1/2009			50	69			0	
9/2/2009			54	69			0	
9/3/2009			54	69			0	
9/4/2009			54	65			6	
9/5/2009			53	69			0	
9/6/2009			52	69			0	
9/7/2009			53	69			0	
9/8/2009			53	70			0	
9/9/2009			55	70			0	
9/10/2009			51	70			0	
9/11/2009			49	63			0	
9/12/2009			48	54			0	
9/13/2009			56	50			0	
9/14/2009			83	48			0	
9/15/2009			48	46			0	
9/16/2009			46	45			0	
9/17/2009			46	43			0	
9/18/2009			45	42			0	
9/19/2009			45	41			0	
9/20/2009			46	40			0	
9/21/2009			45	40			0	
9/22/2009			44	39			0	
9/23/2009			44	39			0	
9/24/2009			45	16			0	
9/25/2009			76	24			6	
9/26/2009			100	41			0	
9/27/2009			83	35			0	
9/28/2009			74	34			0	
9/29/2009			51	33			0	
9/30/2009			104	27			8	
10/1/2009							0	

Total

1489

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