

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow Deliverability

SI

(See Instructions on Reverse Side)

Test Date:
7/28/2007

API No. 15
023-20536-00-00

Company Rosewood Resources, Inc.		Lease Raymond		Well Number 3-4	
County Cheyenne	Location SESE	Section 4	TWP 3S	Range (E/W) 42W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10-7-2005		Plug Back Total Depth 1773'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1777'	Perforations 1578'	To 1613'
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	
Vertical Depth(H) 1613'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-28 20 07 at 12:30 (AM) (PM) Taken 7-29 20 07 at 2:15 (AM) (PM)		Well on Line: Started 7-29 20 07 at 2:15 (AM) (PM) Taken 7-30 20 07 at 1:30 (AM) (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						160	174.4				
Flow						96	110.4			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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						22		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_d)² = 0.207
(P_d)² = _____

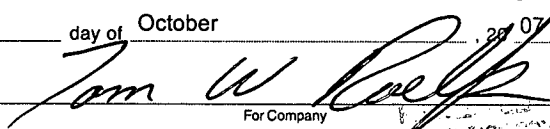
(P _c) ² - (P _d) ² or (P _c) ² - (P _w) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _d ² 2. P _c ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n 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 5 day of October, 2007

Witness (if any)

For Commission


For Company
KANSAS CORPORATION COMMISSION
Checked by

NOV 02 2007
CONSERVATION DIVISION
WICHITA, KS

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 Raymond 3-4 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: 10/5/2007

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.

KANSAS CORPORATION COMMISSION

NOV 02 2007

CONSERVATION DIVISION
WICHITA KS

W367

Raymond 3-4

West St. Francis

St. Francis

Pumping Unit/Gas

July-07

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE DOWN	HRS	Water	REMARKS (Maximum length 110 characters)
	PSI	PSI						BBLs	
7/1/2007			66	15			0	0	pump off
7/2/2007			66	15			0	0	
7/3/2007			66	15			0	0	bp
7/4/2007			66	15			0	0	
7/5/2007			113	15			0	0	
7/6/2007			94	14			0	0	
7/7/2007			85	14			0	0	
7/8/2007			85	14			0	0	
7/9/2007			83	14			0	0	
7/10/2007			83	14			0	0	
7/11/2007			81	14			0	0	
7/12/2007			81	14			0	0	bp
7/13/2007			81	15	5.5 / 24		0	0	restart pump
7/14/2007			83	16			0	12	pump off / restart
7/15/2007			83	16			0	27	
7/16/2007			119	20			0	24	bp
7/17/2007			109	19			0	25	
7/18/2007			143	8			0	26	cd
7/19/2007			115	23	5.5 / 24		0	26	6.5 min water test greased
7/20/2007			107	20			0	24	
7/21/2007			105	20			0	25	
7/22/2007			103	21			0	26	
7/23/2007			103	21			0	0	pump off
7/24/2007			92	18			0	0	restart pump
7/25/2007			90	20	4/24		0	16	bucket test 11 min
7/26/2007			89	20			0	16	
7/27/2007			85	20			0	16	
7/28/2007		80	85	18			0	14	pump off
7/29/2007			86	6			0	0	si 24 hr test cp - 160 restart pump
7/30/2007			88	18			0	23	bp
7/31/2007			132	24	6 / 24		0	21	8 min water test

Total

516

321

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CONSERVATION DIVISION
WICHITA, KS

W367

Raymond 3-4

West St. Francis

St. Francis

Pumping Unit/Gas

August-07

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI								
8/1/2007			136	21	6	24	0	21	21	pump off
8/2/2007			96	19	0	0	0	0	0	
8/3/2007			81	19	0	0	0	0	0	
8/4/2007			78	18	0	0	0	0	0	start pump
8/5/2007			73	19	6	24	0	23		
8/6/2007			71	21	6	24	0	21	8	min water test
8/7/2007			71	21	0	0	0	21		pump off
8/8/2007			71	19	0	0	0	0	0	started pump add oil and antifreeze
8/9/2007			70	20	6	24	0	21		
8/10/2007			96	22	6	24	0	20		
8/11/2007			77	22	6	24	0	22		
8/12/2007			71	21	6	24	0	21		
8/13/2007			68	23	6	24	0	23	bp	
8/14/2007			68	23	6	24	0	19	9	min water test
8/15/2007			68	23	6	24	0	19		
8/16/2007			66	23	6	24	0	20		
8/17/2007			62	22	6	24	0	18		
8/18/2007			175	17	6	24	0	18	hfp	pump off
8/19/2007			102	23	0	0	0	0	hfp	pump off
8/20/2007			82	21	0	0	0	0	hfp	pump off
8/21/2007			78	19	0	0	0	0		
8/22/2007			76	20	6	24	0	21		
8/23/2007			74	22	6	24	0	19		
8/24/2007			83	22	6	24	0	20		
8/25/2007			78	21	6	24	0	18		
8/26/2007			74	21	6	24	0	19		
8/27/2007			74	21	6	24	0	21		
8/28/2007			97	24	6	24	0	22	bp	
8/29/2007			97	24	6	24	0	23	hfp	pump off
8/30/2007			82	20	0	0	0	0	hfp	pump off
8/31/2007			82	20	0	0	0	0	hfp	pump off

Total

651

450

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Raymond 3-4

West St. Francis

St. Francis

Pumping Unit/Gas

September-07

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
9/1/2007			77	17	0	0	0	0	
9/2/2007			78	18	0	0	0	0	
9/3/2007			77	17	0	0	0	0	
9/4/2007			77	17	7	24	0	0	start pump
9/5/2007			79	20	7	24	0	21	
9/6/2007			75	22	7	24	0	21	
9/7/2007			76	20	7	24	0	21	
9/8/2007			77	17	7	24	0	22	
9/9/2007			77	17	7	24	0	21	
9/10/2007			82	24	7	24	0	23	
9/11/2007			84	25	7	24	0	21	
9/12/2007			82	25	7	24	0	29	6 min water test
9/13/2007			81	24	7	24	0	28	
9/14/2007			85	21	0	0	0	0	restarted pump
9/15/2007			130	22	0	0	0	0	shut pump off hfp
9/16/2007			96	23	7	24	0	0	started pump
9/17/2007			96	21	7	24	0	29	
9/18/2007			177	23	7	24	0	25	shut pump off hfp cd
9/19/2007			153	23	0	0	0	0	shut pump off hfp
9/20/2007			117	30	0	0	0	0	shut pump off hfp
9/21/2007			141	24	0	0	0	0	pump off hfp
9/22/2007			152	23	0	0	0	0	pump off hfp
9/23/2007			101	20	0	0	0	0	pump off hfp
9/24/2007			97	19	0	0	0	0	restarted pump greased
9/25/2007			97	20	7	24	0	0	pump off hfp
9/26/2007			95	22	0	0	0	0	pump off hfp
9/27/2007			93	19	0	0	0	0	pump off hfp
9/28/2007			90	19	0	0	0	0	pump off hfp
9/29/2007			85	18	0	0	0	0	pump off hfp
9/30/2007			81	18	0	0	0	0	pump off hfp
10/1/2007								0	

Total

628

261

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