

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **BSI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/15/2012

API No. 15
023-20683-0000

Company Rosewood Resources, Inc.		Lease Ella Mae		Well Number 32-04	
County Cheyenne	Location SWNE	Section 4	TWP 3S	RNG (E/W) 42W	Acres Attributed
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 2/14/2007		Plug Back Total Depth 1867'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter	Set at 1867'	Perforations 1604'	To 1632'
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="radio"/> Yes <input type="radio"/> No Pumping Unit		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .6	
Vertical Depth(H) 1874'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-14 20 12 at 1:10 (AM) (PM) Taken 8-15 20 12 at 1:25 (AM) (PM)					
Well on Line: Started 8-15 20 12 at 1:25 (AM) (PM) Taken 8-16 20 12 at 2:10 (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 _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						128	142.4				
Flow						22	36.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _c) (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
						7		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	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 19 day of December, 20 12

Witness (if any)

For Company

For Commission

Checked by

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Form G-2
(Rev. 7/03)

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.

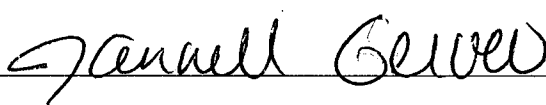
I hereby request a one-year exemption from open flow testing for the Ella Mae 32-04 gas well on the grounds that said well:

(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.

W2425
 Ella Mae 32-04
 West St. Francis
 St. Francis
 None
 August-12

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DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BLS	REMARKS (Maximum length 110 characters)
	PSI	PSI						
8/1/2012		25	38	4				
8/2/2012		25	38	4				
8/3/2012		25	38	4				
8/4/2012		52	65	4				
8/5/2012		54	67	4				
8/6/2012		41	54	4				
8/7/2012		27	40	4				
8/8/2012		27	40	4				
8/9/2012		25	38	4				
8/10/2012		25	38	4				
8/11/2012		62	75	3		1.5		
8/12/2012		30	43	3				
8/13/2012		22	35	4				
8/14/2012		20	34	4				
8/15/2012		128	37	0		24		shut well in for state test psi 20 open well psi 128
8/16/2012		22	35	2				
8/17/2012		26	39	4				
8/18/2012		25	38	4				
8/19/2012		25	38	4				
8/20/2012		24	37	3				
8/21/2012		25	38	3				
8/22/2012		27	40	4				
8/23/2012		27	40	4				
8/24/2012		22	35	3				
8/25/2012		22	35	3				
8/26/2012		25	38	3				
8/27/2012		25	38	3	7	12		22 restarted pumping unit
8/28/2012		31	44	6	7	24		42
8/29/2012		26	39	6	7	24		43 bucket test 4 min
8/30/2012		26	39	7	7	24		42
8/31/2012		28	41	7	7	24		42

Total

120

191

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W2425
 Ella Mae 32-04
 West St. Francis
 St. Francis
 None
 September-12

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
9/1/2012		27	40	7	7	24	42	
9/2/2012		27	40	8	7	24	41	
9/3/2012		27	40	7	7	24	42	
9/4/2012		27	40	8	7	24	43	
9/5/2012		61	74	8	7	24	1 42	
9/6/2012		29	42	8	7	12	20	shut pumping unit hfp
9/7/2012		128	141	1	7	0	19	0
9/8/2012		133	146	1	7	0	24	0
9/9/2012		136	149	0	7	0	24	0
9/10/2012		138	151	0	7	0	24	0
9/11/2012		139	152	0	7	0	24	0
9/12/2012		109	122	0	7	0	10	0
9/13/2012		105	118	0	7	0		0
9/14/2012		97	110	9	7	0		0
9/15/2012		89	102	9	7	0		0
9/16/2012		84	97	7	7	0		0
9/17/2012		74	87	6	7	0		0
9/18/2012		29	42	6	7	12		0 started pumping unit
9/19/2012		58	71	7	7	6		11 shut pumping unit hfp
9/20/2012		21	34	7	7	6		12 started pumping unit
9/21/2012		26	39	7	7	12		21
9/22/2012		27	40	7	7	12		22
9/23/2012		27	40	8	7	12		21
9/24/2012		28	41	8	7	12		22
9/25/2012		27	40	9	7	12		21 bucket test 4 min
9/26/2012		27	40	9	7	12		20
9/27/2012		38	41	9	7	12		19
9/28/2012		28	41	10	7	12		17
9/29/2012		28	41	10	7	12		22
9/30/2012		28	41	10	7	12		21
10/1/2012								

Total

186

459

W2425

Ella Mae 32-04

West St. Francis

St. Francis

None

October-12

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DATE	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
10/1/2012	27	40	10	7	12	21	
10/2/2012	27	40	10	7	12	0	
10/3/2012	25	38	10	7	6	0	treated well shut pumping unit off
10/4/2012	33	46	0	7	6	10	opened well and started pumping unit
10/5/2012	27	40	0	7	12	20	
10/6/2012	26	39	14	7	12	21	
10/7/2012	26	39	11	7	12	22	
10/8/2012	28	41	10	7	12	23	
10/9/2012	38	41	10	7	12	22	
10/10/2012	38	41	10	7	12	21	
10/11/2012	27	40	10	7	12	21	bucket test 4 min
10/12/2012	26	39	10	7	12	21	
10/13/2012	27	40	10	7	12	22	
10/14/2012	27	40	10	7	12	20	
10/15/2012	27	40	10	7	12	21	
10/16/2012	49	62	9	7	12	22	
10/17/2012	27	40	9	7	12	21	
10/18/2012	27	40	9	7	12	20	
10/19/2012	26	39	10	7	12	21	
10/20/2012	34	47	9	7	12	20	
10/21/2012	26	39	9	7	12	19	
10/22/2012	26	39	10	7	6	10	shut pumping unit off
10/23/2012	26	39	9	7	0	0	
10/24/2012	24	37	7	7	6	10	started pumping unit
10/25/2012	26	39	7	7	12	21	
10/26/2012	26	39	8	7	12	22	
10/27/2012	26	39	9	7	12	19	
10/28/2012	26	39	9	7	12	22	
10/29/2012	78	91	9	7	6	2	10 pu off hfp
10/30/2012	66	79	8	7	0	0	
10/31/2012	39	52	7	7	6	11	started pumping unit

Total

273

513