

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **ASL**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/15/2012

API No. 15
023-20535-0000

Company Rosewood Resources, Inc.		Lease Ella Mae		Well Number 3-3	
County Cheyenne	Location SENW	Section 3	TWP 3S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 7-15-2004		Plug Back Total Depth 1741'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1746'	Perforations 1548'	To 1582'
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 / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1582'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-14 20 12 at 11:35 (AM) (PM) Taken 8-15 20 12 at 11:45 (AM) (PM)					
Well on Line: Started 8-15 20 12 at 11:45 (AM) (PM) Taken 8-16 20 12 at 1:35 (AM) (PM)					

RECEIVED
JAN 03 2013
KCC WICHITA

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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						106	120.4				
Flow						30	44.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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
						30		

(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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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)

Jamuel Green
For Company

For Commission

Checked by

RECEIVED

JAN 03 2013

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 Ell Mae 3-3 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.

RECEIVED
 JAN 03 2013
 KCC WICHITA

W347
 Ella Mae 3-3
 West St. Francis
 St. Francis
 Pumping Unit/Elec
 August-12

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLF	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
8/1/2012		31	44	27	6	12		17	
8/2/2012		31	44	28	6	12		16	
8/3/2012		32	45	27	6	12		15	
8/4/2012		53	66	28	6	12		18	
8/5/2012		58	71	27	6	12		19	
8/6/2012		48	61	28	6	12		18	
8/7/2012		23	46	28	6	12		17	
8/8/2012		23	46	28	6	12		18	
8/9/2012		31	44	28	6	12		17	bucket test 5 min
8/10/2012		31	44	28	6	12		18	
8/11/2012		66	79	27	6	12	1.5	17	
8/12/2012		39	52	29	6	12		16	
8/13/2012		30	43	29	6	12		15	
8/14/2012		30	43	29	6	6			8 shut well in for state test psi 30
8/15/2012		106	40	0	6	0	24	0	open well psi 106
8/16/2012		30	43	35	6	6		9	started pumping unit
8/17/2012		33	46	32	6	12		18	
8/18/2012		33	46	31	6	12		17	bucket test 5 min
8/19/2012		32	45	31	6	12		20	
8/20/2012		32	45	31	6	12		17	
8/21/2012		32	45	31	6	12		16	
8/22/2012		33	46	31	6	12		17	
8/23/2012		33	46	31	6	12		18	
8/24/2012		30	43	31	6	12		17	bucket test 5 min
8/25/2012		30	43	31	6	12		18	
8/26/2012		32	45	31	6	12		17	
8/27/2012		32	45	31	6	12		16	
8/28/2012		35	48	30	6	12		17	
8/29/2012		33	46	30	6	12		16	
8/30/2012		33	46	31	6	12		17	bucket test 5 min
8/31/2012		34	47	30	6	12		17	

Total

889

496

RECEIVED

JAN 03 2013

KCC WICHITA

W347

Ella Mae 3-3

West St. Francis

St. Francis

Pumping Unit/Elec

September-12

DATE	Tubing Casing		STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
9/1/2012		33	46	30	6	12	16	
9/2/2012		34	47	30	6	12	15	
9/3/2012		34	47	30	6	12	16	
9/4/2012		34	47	39	6	12	17	
9/5/2012		68	81	27	6	12	1	16
9/6/2012		37	50	30	6	12		15 shut pumping unit off hfp
9/7/2012		115	128	8	6	0	19	0
9/8/2012		119	132	0	6	0	24	0
9/9/2012		123	136	0	6	0	24	0
9/10/2012		126	139	0	6	0	24	0
9/11/2012		129	142	0	6	0	24	0
9/12/2012		130	143	0	6	0	24	0
9/13/2012		110	123	13	6	0	10	0
9/14/2012		101	114	33	6	0		0
9/15/2012		93	106	40	6	0		0
9/16/2012		87	100	33	6	0		0
9/17/2012		77	90	28	6	0		0
9/18/2012		44	57	25	6	6		0 started pumping unit
9/19/2012		81	94	26	6	3		4 shut pumping unit off hfp
9/20/2012		26	39	23	6	6		7 started pumping unit
9/21/2012		30	43	25	6	12		16
9/22/2012		32	45	26	6	12		17
9/23/2012		32	45	27	6	12		18
9/24/2012		32	45	26	6	12		17
9/25/2012		32	45	26	6	12		17 bucket test 5 min
9/26/2012		33	46	27	6	12		16
9/27/2012		34	47	27	6	12		15
9/28/2012		33	46	26	6	12		15
9/29/2012		34	47	27	6	12		13
9/30/2012		33	46	27	6	12		17
10/1/2012								

Total

679

267

W347

Ella Mae 3-3

West St. Francis

St. Francis

Pumping Unit/Elec

October-12

RECEIVED

JAN 03 2013

KCC WICHITA

DATE	Tubing Casing			MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI	STATIC					
10/1/2012		32	45	27	6	12	17	
10/2/2012		33	46	27	6	12	16	
10/3/2012		32	45	27	6	12	15	
10/4/2012		31	44	27	6	12	17	bucket test 5 min
10/5/2012		33	46	27	6	12	17	
10/6/2012		32	45	27	6	12	16	
10/7/2012		31	44	27	6	12	15	
10/8/2012		31	44	28	6	12	16	
10/9/2012		32	45	28	6	12	17	bucket test 5 min
10/10/2012		33	45	28	6	12	16	
10/11/2012		31	44	28	6	12	15	
10/12/2012		32	45	28	6	12	17	
10/13/2012		32	45	28	6	12	18	
10/14/2012		32	45	28	6	12	16	
10/15/2012		33	46	28	6	12	17	
10/16/2012		46	59	28	6	12	18	
10/17/2012		33	46	27	6	12	17	
10/18/2012		32	45	28	6	12	16	
10/19/2012		31	44	28	6	12	17	bucket test 5 min
10/20/2012		43	56	28	6	12	16	
10/21/2012		32	45	28	6	12	15	
10/22/2012		32	45	28	6	6	8	shut pumping unit off
10/23/2012		29	42	27	6	0	0	
10/24/2012		27	40	26	6	6	8	started pumping unit
10/25/2012		31	44	26	6	12	17	
10/26/2012		31	44	26	6	12	15	
10/27/2012		31	44	27	6	12	14	
10/28/2012		32	45	27	6	12	17	
10/29/2012		83	96	27	6	6	2	8 pu off hfp
10/30/2012		69	82	23	6	0	0	
10/31/2012		44	57	23	6	6	9	started pumping unit

Total

840

440