

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow Deliverability

(See Instructions on Reverse Side)

Test Date:
6/22/14

API No. 15
023-20612-0000

Company Rosewood Resources, Inc.		Lease LeeRoy		Well Number 1-25	
County Cheyenne	Location NW NE/4	Section 25	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 5/5/2005		Plug Back Total Depth 1541'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 2541'	Perforations 1338'	To 1374'
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	
Vertical Depth(H) 1374'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 6-7		20 14 at 9:40		<input checked="" type="radio"/> (AM) (PM) Taken 6-19	
Well on Line: Started 6-22		20 14 at 9:55		<input checked="" type="radio"/> (AM) (PM) Taken 6-23	

OBSERVED SURFACE DATA

Duration of Shut-in 360 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						147	161.4				
Flow						55	69.4			360	

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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						50		

(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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

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 12 day of December, 20 14.

Received
KANSAS CORPORATION COMMISSION

Small Matney
For Company

Witness (if any)

FEB 25 2015

For Commission

CONSERVATION DIVISION
WICHITA, KS

Checked by

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 LeeRoy 1-25 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: 12/12/14

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KANSAS CORPORATION COMMISSION

FEB 25 2015

CONSERVATION DIVISION
WICHITA, KS

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.

W356
 Leeroy 01-25
 St. Francis
 St. Francis
 None
 June-18th
 FloBoss

DATE	Casing		MCF	HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC		DOWN		
6/1/2013 ⁴	58	71	63	0		
6/2/2013	62	75	54	0		
6/3/2013	77	90	60	0		turn on pumping unit
6/4/2013	69	82	50	0		
6/5/2013	52	65	60	0		
6/6/2013	54	67	53	0		turn off pumping unit
6/7/2013	126	139	30	9		
6/8/2013	130	143	0	24		
6/9/2013	133	146	0	24		
6/10/2013	136	149	0	24		
6/11/2013	137	150	0	24		
6/12/2013	139	152	0	24		
6/13/2013	141	154	0	24		
6/14/2013	142	155	0	24		
6/15/2013	143	156	0	24		
6/16/2013	144	157	0	24		
6/17/2013	145	158	0	24		
6/18/2013	145	158	0	24		
6/19/2013	147	160	0	24		
6/20/2013	147	160	0	24		
6/21/2013	147	160	0	24		
6/22/2013	147	160	0	24		
6/23/2013	107	120	32	5		
6/24/2013	111	124	68	0		
6/25/2013	105	118	71	0		
6/26/2013	95	108	67	0		
6/27/2013	86	99	61	0		
6/28/2013	57	70	55	0		
6/29/2013	56	69	51	0		started pu auto
6/30/2013	59	72	65	0		
7/1/2013				0		

Total

840

Received
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FEB 25 2015

CONSERVATION DIVISION
 WICHITA, KS

W356
 Leeroy 01-25
 St. Francis
 St. Francis
 None
 July-14
 FloBoss

DATE	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2014	60	73	81	6	6	1	0	1
7/2/2014	59	72	81	6	6	1	0	1
7/3/2014	60	73	76	6	6	1	0	1
7/4/2014	60	73	76	6	6	1	0	1
7/5/2014	60	73	70	6	6	1	0	1
7/6/2014	60	73	67	6	6	1	0	1
7/7/2014	69	82	60	6	6	1	0	1
7/8/2014	60	73	60	6	6	1	0	1
7/9/2014	61	74	60	6	6	1	0	1
7/10/2014	61	74	58	6	6	1	0	1
7/11/2014	65	78	54	6	6	1	0	1
7/12/2014	64	77	55	6	6	1	0	1
7/13/2014	64	77	51	6	6	1	0	1
7/14/2014	88	101	48	6	6	1	0	1 7 min bt
7/15/2014	56	69	51	6	6	1	0	1
7/16/2014	58	71	61	6	6	1	0	1
7/17/2014	58	71	58	6	6	1	0	1
7/18/2014	59	72	58	6	6	1	0	1
7/19/2014	55	68	56	6	6	1	0	1
7/20/2014	57	70	56	6	6	1	0	1
7/21/2014	107	120	52	6	6	1	0	1
7/22/2014	113	126	2	6	6	1	22	1
7/23/2014	84	97	27	6	6	1	7	1
7/24/2014	56	69	27	6	6	1	3	0
7/25/2014	56	69	45	6	6	1	4	0 started pumping unit
7/26/2014	55	68	64	6	6	1	0	1
7/27/2014	56	69	60	6	6	1	0	1
7/28/2014	56	69	57	6	6	1	0	1
7/29/2014	55	68	53	6	6	1	0	1
7/30/2014	57	70	53	6	6	1	0	1
7/31/2014	57	70	51	6	6	1	0	1

Total

1728

29

Received
 KANSAS CORPORATION COMMISSION

FEB 25 2015

CONSERVATION DIVISION
 WICHITA, KS

W356
 Leeroy 01-25
 St. Francis
 St. Francis
 None
 August-14
 FloBoss

DATE	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2014	56	69	51	6	1	0	1	
8/2/2014	56	69	50	6	1	0	1	
8/3/2014	56	69	50	6	1	0	1	
8/4/2014	55	68	48	6	1	0	1	
8/5/2014	57	70	47	6	1	0	1	
8/6/2014	57	70	47	6	1	0	1	
8/7/2014	58	71	46	6	1	0	1	
8/8/2014	59	72	42	6	1	0	1	7 min BT
8/9/2014	60	83	45	6	1	0	1	
8/10/2014	60	73	46	6	1	0	1	
8/11/2014	67	80	45	6	1	0	1	
8/12/2014	55	68	46	6	1	0	1	
8/13/2014	57	70	45	6	1	0	1	
8/14/2014	55	68	45	6	1	0	1	
8/15/2014	61	74	33	6	1	3	1	
8/16/2014	59	72	43	6	1	0	1	
8/17/2014	61	74	40	6	1	0	1	
8/18/2014	60	73	40	6	1	0	1	
8/19/2014	68	81	35	6	1	2	1	
8/20/2014	59	72	39	6	1	0	1	
8/21/2014	58	71	42	6	1	0	1	
8/22/2014	61	74	40	6	1	0	1	
8/23/2014	54	67	40	6	1	0	1	
8/24/2014	57	70	39	6	1	0	1	
8/25/2014	80	93	37	6	1	0	1	
8/26/2014	57	70	40	6	1	0	1	
8/27/2014	60	73	40	6	1	0	1	
8/28/2014	96	109	40	6	1	0	0.5	
8/29/2014	54	67	30	6	1	5	0.5	
8/30/2014	53	66	41	6	1	0	1	
8/31/2014	66	79	39	6	1	0	1	

Total

1311

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