

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
- Deliverability

AST

Test Date:
6/11/2013

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="checkbox"/> 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 6-10 20 13 at 9:40 (AM) (PM) Taken 6-11 20 13 at 9:55 (AM) (PM)		Well on Line: Started 6-11 20 13 at 9:55 (AM) (PM) Taken 6-12 20 13 at 10:40 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter or 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 _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						58	72.4			24	

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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						28		

(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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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 21 day of November, 20 13.

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Samuel Mautner
For Company

Witness (if any)

DEC 26 2013

For Commission

CONSERVATION DIVISION
ARCHITA, 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: 11/21/13

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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-13
 FloBoss

DATE	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2013	48	61	29	6	1		1	
6/2/2013	52	65	28	6	1		1	
6/3/2013	50	63	29	6	1		1	
6/4/2013	49	62	29	6	1		1	
6/5/2013	55	68	29	6	1		1	7.5 min bt
6/6/2013	61	74	29	6	1		1	
6/7/2013	58	71	29	6	1		1	
6/8/2013	54	67	29	6	1		1	
6/9/2013	57	70	29	6	1		1	
6/10/2013	87	100	29	6	0.5	2	1	si for state test - cp 62
6/11/2013	76	89	0	6	0.5	24	1	reopened - cp 128 pu off hfp
6/12/2013	75	88	33	6	0		0	
6/13/2013	58	71	32	6	0.5		1	restart pu
6/14/2013	58	71	31	6	1		1	
6/15/2013	62	75	31	6	1		2	
6/16/2013	62	75	31	6	1		1	
6/17/2013	58	71	29	6	0.5		1	pu off
6/18/2013	54	67	29	6	0		0	
6/19/2013	50	63	29	6	0.5		1	restart pu
6/20/2013	56	69	29	6	1		2	
6/21/2013	63	76	29	6	1		1	7.5 min bt greased
6/22/2013	79	92	28	6	1		1	
6/23/2013	81	94	28	6	0.5		1	pu off hfp
6/24/2013	77	90	28	6	0		0	
6/25/2013	82	95	28	6	0		0	
6/26/2013	79	92	28	6	0		0	
6/27/2013	72	85	28	6	1		1	restart pu
6/28/2013	54	67	28	6	1		1	
6/29/2013	54	67	28	6	1		2	
6/30/2013	53	66	28	6	1		1	
7/1/2013								

Total

844

28

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 WICHITA, KS

W356
 Leeroy 01-25
 St. Francis
 St. Francis
 None
 July-13
 FloBoss

DATE	Casing PSI	STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2013	55	68	28	6	1	1
7/2/2013	58	71	28	6	1	2
7/3/2013	55	68	28	6	1	1
7/4/2013	58	71	28	6	1	2
7/5/2013	58	71	28	6	1	1
7/6/2013	60	73	28	6	1	1
7/7/2013	69	82	27	6	1	1
7/8/2013	67	80	27	6	1	1
7/9/2013	65	78	27	6	1	1 6 min bt
7/10/2013	62	75	27	6	1	2
7/11/2013	66	79	27	6	1	1
7/12/2013	72	85	27	6	0.5	1 shut pumping unit off hfp
7/13/2013	75	88	27	6	0	2.5 0
7/14/2013	77	90	27	6	0	0
7/15/2013	58	71	27	6	1	1 started pu
7/16/2013	54	67	27	6	1	1 treated well
7/17/2013	52	65	25	6	1	1 6 min bt greased
7/18/2013	81	94	25	6	0.5	1 pu off hfp
7/19/2013	73	86	25	6	0	0
7/20/2013	74	87	25	6	0	0
7/21/2013	75	88	25	6	0	0
7/22/2013	71	84	25	6	0	0
7/23/2013	69	82	25	6	0.5	1 restart pu
7/24/2013	76	89	25	6	1	1
7/25/2013	79	92	25	6	0.5	1 pu off hfp
7/26/2013	67	80	25	6	0.5	1 restart pu
7/27/2013	57	70	25	6	1	2
7/28/2013	59	72	26	6	1	3
7/29/2013	57	70	27	6	1	1
7/30/2013	93	106	27	6	0.5	3.5 1 pu off hfp
7/31/2013	108	121	22	6	0	5.5 0

Total

815

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 WICHITA KS

W356
 Leeroy 01-25
 St. Francis
 St. Francis
 None
 August-13
 FloBoss

DATE	Casing			HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	STATIC MCF	SPM			
8/1/2013	78	91	28	6		
8/2/2013	78	91	26	6		
8/3/2013	73	86	26	6		
8/4/2013	75	88	26	6		
8/5/2013	65	78	25	6		
8/6/2013	56	69	25	6	0.5	1 restart pu
8/7/2013	51	64	25	6	1	1
8/8/2013	55	68	25	6	1	1
8/9/2013	58	71	25	6	1	1
8/10/2013	56	69	25	6	1	2
8/11/2013	54	67	25	6	1	1
8/12/2013	54	67	25	6	1	1
8/13/2013	54	67	25	6	1	1
8/14/2013	55	68	25	6	1	1 6 min bt greased
8/15/2013	55	68	25	6	1	0.5 1
8/16/2013	65	78	25	6	1	1
8/17/2013	66	79	25	6	1	1
8/18/2013	66	79	26	6	1	1
8/19/2013	67	80	26	6	0.5	1.5 1 pu off hfp
8/20/2013	89	102	26	6	0	1 0
8/21/2013	86	99	26	6	0	0
8/22/2013	89	102	26	6	0	5 0
8/23/2013	72	85	26	6	0	0
8/24/2013	83	96	26	6	0	1 0
8/25/2013	88	101	25	6	0	1 0
8/26/2013	57	70	25	6	0	0
8/27/2013	53	66	25	6	0	0
8/28/2013	51	64	25	6	0.5	1
8/29/2013	83	96	25	6	0.5	1 1 pu off hfp
8/30/2013	86	99	25	6	0	0
8/31/2013	87	100	25	6	0	0

Total

788

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