

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **RFI**
- Deliverability

Test Date:
7/24/2012

API No. 15
023-20610-0000

Company Rosewood Resources, Inc.		Lease Zimbelman		Well Number 1-18	
County Cheyenne	Location SW SW/4	Section 18	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 7/1/2005		Plug Back Total Depth 1440'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1440'	Perforations 1248'	To 1282'
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? Pumping Unit NO	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1282'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7-23		20 12 at 8:40		(AM) (PM) Taken 7-24	
Well on Line: Started 7-24		20 12 at 8:55		(AM) (PM) Taken 7-25	
		20 12 at 8:55		(AM) (PM) Taken 7-25	
		20 12 at 8:55		(AM) (PM) Taken 7-25	

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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						135	149.4				
Flow						67	81.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _a) (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 _{dv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						36		

(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: 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 19 day of December, 20 12.

Witness (if any)

Janell Sewell
For Company

For Commission

Checked by

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Form G-2
(Rev. 7/03)

JAN 03 2013

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 Zimbelman 1-18 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: Joannell Geve
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.

W379
 Zimbelman 1-18
 St. Francis
 St. Francis
 None
 July-12
 FloBoss

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DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	DOWN	Water	BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI									
7/1/2012		65	78	37	9	6				7	
7/2/2012		66	68	38	9	6		3		6	
7/3/2012		71	84	35	9	3				3.5	pu off hfp
7/4/2012		53	66	35	9	3				3.5	restart pu
7/5/2012		52	65	36	9	6				7	
7/6/2012		81	94	36	9	6		1		8	
7/7/2012		58	71	35	9	6				9	
7/8/2012		60	73	35	9	6				10	
7/9/2012		57	70	36	9	6				11	
7/10/2012		56	69	36	9	6				9	
7/11/2012		54	67	35	9	6				10	
7/12/2012		58	71	34	9	6				11	
7/13/2012		54	67	34	9	3				5	
7/14/2012		54	67	33	9	6				10	
7/15/2012		54	67	35	9	6				11	
7/16/2012		67	80	35	9	3		1.5		3	pu off hfp
7/17/2012		58	71	34	9	3				3	restart pu
7/18/2012		66	79	34	9	6				12	
7/19/2012		63	76	34	9	6		0.5		6	7 min bt
7/20/2012		60	73	34	9	6				5	
7/21/2012		62	75	35	9	6				7	
7/22/2012		58	71	35	9	6				8	
7/23/2012		63	76	35	9	3		0.5		7	6.5 min bt. cp 63 si for state test
7/24/2012		135	80	0	9	3		24		6	cp 135 opened
7/25/2012		67	80	48	9	6				5	
7/26/2012		65	78	41	9	3				4	shut pumping unit off hfp
7/27/2012		79	92	35	9	0		5		0	
7/28/2012		64	77	35	9	0				0	
7/29/2012		55	68	35	9	3				4	started pumping unit
7/30/2012		52	65	36	9	6				8	
7/31/2012		52	65	36	9	6				9	

Total

1072

208

W379

Zimbelman 1-18

St. Francis

St. Francis

None

August-12

FloBoss

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KCC WICHITA

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
8/1/2012		62	75	36	9	6	7	6.5 min bt
8/2/2012		55	68	36	9	6	6	
8/3/2012		55	68	36	9	6	5	
8/4/2012		54	67	36	9	6	7	
8/5/2012		63	76	36	9	6	8	
8/6/2012		54	67	36	9	6	6	7.25 min bt
8/7/2012		64	77	36	9	6	7	
8/8/2012		57	70	36	9	6	6	
8/9/2012		56	69	36	9	6	6	
8/10/2012		71	84	36	9	6	7	
8/11/2012		57	70	35	9	6	1.5	8
8/12/2012		59	72	36	9	6	7	
8/13/2012		52	65	35	9	6	6	
8/14/2012		56	69	36	9	6	5	
8/15/2012		65	78	36	9	6	8	5.25 min bt greased
8/16/2012		56	69	36	9	6	9	
8/17/2012		54	67	36	9	6	10	
8/18/2012		62	75	36	9	6	11	
8/19/2012		61	74	36	9	6	12	
8/20/2012		52	65	36	9	6	6	7.5 min bt
8/21/2012		60	73	36	9	6	7	
8/22/2012		56	69	36	9	6	8	
8/23/2012		62	75	36	9	6	9	
8/24/2012		61	74	36	9	6	8	
8/25/2012		60	73	36	9	6	7	
8/26/2012		60	73	36	9	6	6	
8/27/2012		54	67	36	9	6	7	
8/28/2012		55	68	36	9	6	6	7 min bt
8/29/2012		56	69	36	9	6	4	
8/30/2012		55	68	36	9	6	7	
8/31/2012		55	68	36	9	6	4	

Total

1114

220

W379
 Zimbelman 1-18
 St. Francis
 St. Francis
 None
 September-12
 FloBoss

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DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	DOWN	HRS	Water	REMARKS
	PSI	PSI								
9/1/2012		55	68	36	9	6		6		
9/2/2012		58	71	36	9	6		7		
9/3/2012		55	68	36	9	6		6	7 min bt	
9/4/2012		54	67	36	9	6	1	6		
9/5/2012		72	85	34	9	6		8		
9/6/2012		72	85	34	9	3		5	pu off hfp	
9/7/2012		161	174	11	9	0	19	0		
9/8/2012		171	184	0	9	0	24	0		
9/9/2012		178	191	0	9	0	24	0		
9/10/2012		182	195	0	9	0	24	0		
9/11/2012		184	197	0	9	0	24	0		
9/12/2012		184	197	0	9	0	24	0		
9/13/2012		110	123	30	9	0	10	0		
9/14/2012		99	112	48	9	0		0		
9/15/2012		91	104	42	9	0		0		
9/16/2012		86	99	39	9	0		0		
9/17/2012		75	88	37	9	0		0		
9/18/2012		57	70	37	9	3		3	restart pu	
9/19/2012		75	88	37	9	3		3	pu off hfp	
9/20/2012		49	62	37	9	3		3	restart pu	
9/21/2012		50	63	37	9	6		6		
9/22/2012		49	62	37	9	6		5		
9/23/2012		50	63	37	9	6		4		
9/24/2012		54	67	37	9	6		5		
9/25/2012		57	70	37	9	6		5		
9/26/2012		63	76	37	9	6		7		
9/27/2012		65	78	37	9	6		7	6.25 min bt	
9/28/2012		57	70	37	9	6		9		
9/29/2012		57	70	37	9	6		10		
9/30/2012		58	71	37	9	6		7		
10/1/2012										

Total

900

112