

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **RSI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
6/22/14

API No. 15
023-20555-0000

Company Rosewood Resources, Inc.		Lease R. Moore		Well Number 6-28	
County Cheyenne	Location SESW	Section 28	TWP 2S	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 1816'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1821'	Perforations 1632'	To 1664'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1664'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 6-7		20 14 at 1:40		(AM) <input checked="" type="checkbox"/> (PM) Taken 6-19	
Well on Line: Started 6-22		20 14 at 1:55		(AM) <input checked="" type="checkbox"/> (PM) Taken 6-23	
		20 14 at 1:55		(AM) <input checked="" type="checkbox"/> (PM) Taken 6-23	
		20 14 at 2:40		(AM) <input checked="" type="checkbox"/> (PM) Taken 6-23	

OBSERVED SURFACE DATA

Duration of Shut-in 360 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 _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						191	205.4				
Flow						52	66.4			360	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (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
						12		

(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 10 day of December, 20 14.

Received
KANSAS CORPORATION COMMISSION

Spencer 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 R. Moore 6-28 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: 12/10/14

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KANSAS CORPORATION COMMISSION

FEB 25 2015

CONSERVATION DIVISION
WICHITA, KS

Signature: *Janell Martney*
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.

W359
 R. Moore 6-28
 West St. Francis
 St. Francis
 Pumping Unit/Elec
 June-14

DATE	Casing		MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	STATIC						
6/1/2014	55	68	16	5.5	24	0	20	
6/2/2014	69	82	16	5.5	24	0	21	
6/3/2014	62	75	18	5.5	24	0	20	
6/4/2014	82	95	16	5.5	24	0	19	
6/5/2014	46	59	15	5.5	24	0	20	
6/6/2014	50	63	16	5.5	12	0	10	shut pumping unit off hfp
6/7/2014	178	191	10			9		
6/8/2014	173	186	2			24		
6/9/2014	180	193	0			24	0	
6/10/2014	180	193	0			24		
6/11/2014	181	194	0			24		
6/12/2014	183	196	0			24		
6/13/2014	185	198	0			24		
6/14/2014	187	200	0			24		
6/15/2014	187	200	0			24		
6/16/2014	189	202	0			24		
6/17/2014	189	202	0			24		
6/18/2014	190	203	0			24		
6/19/2014	191	204	0			24		
6/20/2014	191	204	0			24		
6/21/2014	191	204	0			24		
6/22/2014	191	204	0			24		
6/23/2014	116	129	0			5		
6/24/2014	111	124	0			0		
6/25/2014	98	111	0			0		
6/26/2014	89	102	0			0		
6/27/2014	84	97	0			0		open well flowing gas
6/28/2014	52	65	24	5.5	12	0	0	started pumping unit
6/29/2014	51	65	16	5.5	24	0	24	
6/30/2014	50	63	17	5.5	24	0	23	
7/1/2014						0		

Total

166

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 KANSAS CORPORATION COMMISSION

FEB 25 2015

CONSERVATION DIVISION
 WICHITA, KS

W359
 R. Moore 6-28
 West St. Francis
 St. Francis
 Pumping Unit/Elec
 July-14

DATE	Casing			SPM	HRS		Water BBLs
	PSI	STATIC	MCF		DOWN	CYCLE	
7/1/2014	52	65	13		24	0	10
7/2/2014	52	65	12		24	0	9
7/3/2014	52	65	12		24	0	8
7/4/2014	52	65	12		24	0	9
7/5/2014	55	68	11		24	0	10
7/6/2014	55	68	11		24	0	9
7/7/2014	66	79	8		24	0	8
7/8/2014	56	69	10		24	0	10
7/9/2014	56	69	10		24	0	9
7/10/2014	57	70	11		24	0	8
7/11/2014	58	71	11		24	0	9
7/12/2014	59	72	12		24	0	10
7/13/2014	60	73	12		24	0	9
7/14/2014	71	84	11	5.5	24	0	10
7/15/2014	50	63	10	5.5	24	0	9
7/16/2014	50	63	10	5.5	6	0	5
7/17/2014	50	63	9	5.5	6	0	6
7/18/2014	50	63	9	5.5	12	0	6
7/19/2014	48	61	4	5.5	12	0	6
7/20/2014	48	61	4	5.5	12	0	6
7/21/2014	113	126	8	5.5	6	0	3
7/22/2014	163	176	6	5.5	0	22	0
7/23/2014	81	94	8	5.5	0	7	0
7/24/2014	56	69	8	5.5	0	3	0
7/25/2014	46	59	7	5.5	6	4	0
7/26/2014	47	60	8	5.5	12	0	10
7/27/2014	48	61	7	5.5	0	0	9
7/28/2014	39	52	7	5.5	6	0	0
7/29/2014	38	51	7	5.5	0	0	
7/30/2014	37	50	7	5.5	0	0	0
7/31/2014	40	53	7	5.5	0	0	0

Total

282

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 KANSAS CORPORATION COMMISSION

FEB 25 2015

CONSERVATION DIVISION
 WICHITA, KS

W359
 R. Moore 6-28
 West St. Francis
 St. Francis
 Pumping Unit/Elec
 August-14

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
8/1/2014	37	50	7	0	need work over
8/2/2014	37	50	7	0	
8/3/2014	36	49	7	0	
8/4/2014	51	64	7	0	
8/5/2014	51	64	7	0	
8/6/2014	51	64	7	0	
8/7/2014	53	66	7	0	
8/8/2014	54	67	7	0	
8/9/2014	54	67	7	0	
8/10/2014	55	68	5	0	
8/11/2014	52	65	6	0	
8/12/2014	50	63	6	0	
8/13/2014	35	48	6	0	
8/14/2014	35	48	6	0	
8/15/2014	43	56	5	3	
8/16/2014	33	46	6	0	
8/17/2014	33	46	6	0	
8/18/2014	34	47	6	0	
8/19/2014	47	60	5	2	
8/20/2014	42	55	6	0	
8/21/2014	38	51	6	0	
8/22/2014	55	68	6	0	
8/23/2014	48	61	6	0	
8/24/2014	50	63	6	0	
8/25/2014	62	75	6	0	
8/26/2014	52	65	6	0	
8/27/2014	55	68	6	0	
8/28/2014	49	62	6	0	
8/29/2014	48	61	5	5	
8/30/2014	48	61	5	0	
8/31/2014	61	74	6	0	

Total

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 WICHITA, KS