

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow **ESI**
 Deliverability

Test Date:
9/21/2011

API No. 15
023-20555-00 - **CO**

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 2 3/8"	Weight	Internal Diameter	Set at 1705'	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 9-20 at 20 11 at 1:40 (AM)(PM) Taken 9-21 at 20 11 at 1:55 (AM)(PM)		Well on Line: Started 9-21 at 20 11 at 1:55 (AM)(PM) Taken 9-22 at 20 11 at 2:40 (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 _s) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _s) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						184	198.4				
Flow						41	55.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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
						24		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ : (P_w)² = _____ : P_d = _____ % (P_e - 14.4) + 14.4 = _____ : (P_e)² = 0.207
(P_e)² = _____

(P _e) ² - (P _w) ² or (P _e) ² - (P _d) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _w ² 2. P _e ² - P _d ² divided by: P _e ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_e^2 - P_w^2}{P_e^2 - P_d^2}$	Backpressure Curve Slope = "n" 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 **28** day of **December**, 20 **11**.

Witness (if any)

For Commission



For Company

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Checked by

APR 24 2012

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 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: 12/28/11

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.

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R. Moore 6-28

West St. Francis

St. Francis

Pumping Unit/Elec

September-11

DATE	Tubin, Casing				CYCL	DOW	HRS	Water	REMARKS (Maximum length 110 characters)
	PSI	PSI	STATIC	MCF					
9/1/2011		41	54	20	5.5	12		12	
9/2/2011		41	54	20	5.5	12		11	
9/3/2011		41	54	20	5.5	12		10	
9/4/2011		41	54	20	5.5	12		9	
9/5/2011		41	54	20	5.5	12		10	
9/6/2011		38	51	20	5.5	12		11	
9/7/2011		41	54	20	5.5	12		12	
9/8/2011		41	54	20	5.5	12		11	
9/9/2011		42	55	20	5.5	12		11	bucket test 8 min
9/10/2011		41	54	20	5.5	12		10	
9/11/2011		41	54	20	5.5	12		11	
9/12/2011		39	52	20	5.5	12		10	
9/13/2011		39	52	20	5.5	12		12	
9/14/2011		41	54	20	5.5	12		11	
9/15/2011		39	52	20	5.5	12		11	
9/16/2011		40	53	20	5.5	12		12	
9/17/2011		40	53	20	5.5	12		13	
9/18/2011		40	53	20	5.5	12		14	
9/19/2011		39	52	20	5.5	12		12	
9/20/2011		38	51	20	5.5	6			5 shut well for state test and shut PU off
9/21/2011		184	51	0	5.5	0	24		0 opened well didn't start pumping unit hp
9/22/2011		41	54	37	5.5	6			6 started pumping unit
9/23/2011		41	54	27	5.5	12			11 bucket test 8 min and greased
9/24/2011		41	54	27	5.5	12		10	
9/25/2011		40	53	27	5.5	12		11	
9/26/2011		41	54	26	5.5	12		10	
9/27/2011		42	55	26	5.5	12		11	bucket test 8 min
9/28/2011		42	55	26	5.5	12		10	
9/29/2011		41	54	26	5.5	12		9	
9/30/2011		41	54	26	5.5	12		10	
10/1/2011									

Total

648

306

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R. Moore 6-28-11

West St. Francis

St. Francis

Pumping Unit/Elec

October-11

DATE	Tubing Casing		STATIC MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI						
10/1/2011	41	54	25	5.5	12	0	12	
10/2/2011	41	53	25	5.5	12	0	11	
10/3/2011	41	53	25	5.5	12	0	10	
10/4/2011	40	53	25	5.5	12	0	11	
10/5/2011	42	53	25	5.5	12	0	12	bucket test 7 min
10/6/2011	42	56	25	5.5	12	0	11	
10/7/2011	45	56	24	5.5	12	0	10	
10/8/2011	45	55	24	5.5	12	0	11	
10/9/2011	41	54	24	5.5	12	0	12	
10/10/2011	42	54	24	5.5	12	0	11	
10/11/2011	56	76	24	5.5	12	0	10	
10/12/2011	41	59	24	5.5	12	0	12	bucket test 7 min
10/13/2011	41	54	24	5.5	12	0	11	
10/14/2011	41	54	24	5.5	12	0	12	
10/15/2011	41	54	24	5.5	12	0	13	
10/16/2011	41	55	24	5.5	12	0	13	
10/17/2011	41	54	24	5.5	12	0	12	
10/18/2011	42	54	24	5.5	12	0	11	
10/19/2011	42	55	24	5.5	12	0	12	bucket test 7 min
10/20/2011	41	54	24	5.5	12	0	11	
10/21/2011	42	53	23	5.5	12	0	10	
10/22/2011	42	54	24	5.5	12	0	11	
10/23/2011	41	53	23	5.5	12	0	12	
10/24/2011	40	54	23	5.5	12	0	11	
10/25/2011	40	53	23	5.5	12	0	12	bucket test 7 min
10/26/2011	41	54	23	5.5	12	0	11	
10/27/2011	41	54	23	5.5	12	0	10	
10/28/2011	41	53	23	5.5	12	0	12	
10/29/2011	41	53	23	5.5	12	0	13	
10/30/2011	40	52	23	5.5	12	0	14	
10/31/2011	45	52	23	5.5	12	0	12	

Total

740

356

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 R. Moore 6:28
 West St. Francis
 St. Francis
 Pumping Unit/Elec
 November-11

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE DOWN	HRS	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI							
11/1/2011		39	65	23	5.5	12	0	10	
11/2/2011		39	54	23	5.5	12	0	11	
11/3/2011		37	51	22	5.5	12	0	12	bucket test 7 min
11/4/2011		39	50	23	5.5	12	0	11	
11/5/2011		40	51	23	5.5	12	0	10	
11/6/2011		39	51	23	5.5	12	0	12	
11/7/2011		38	52	23	5.5	12	0	11	
11/8/2011		38	58	23	5.5	12	0	10	
11/9/2011		38	52	23	5.5	12	0	12	bucket test 7 min
11/10/2011		37	52	23	5.5	12	0	11	
11/11/2011		38	50	23	5.5	12	0	10	
11/12/2011		38	50	23	5.5	12	0	13	
11/13/2011		38	50	23	5.5	12	0	9	
11/14/2011		37	50	23	5.5	12	0	12	
11/15/2011		33	55	23	5.5	12	0	13	
11/16/2011		38	53	23	5.5	12	0	12	
11/17/2011		37	51	22	5.5	12	0	12	bucket test 7 min
11/18/2011		35	50	23	5.5	12	0	12	
11/19/2011		37	51	23	5.5	12	0	13	
11/20/2011		38	51	22	5.5	12	0	12	
11/21/2011		38	52	21	5.5	12	0	11	
11/22/2011		38	52	22	5.5	12	0	12	bucket test 7 min
11/23/2011		39	52	23	5.5	12	0	11	
11/24/2011		40	53	23	5.5	12	0	10	
11/25/2011		39	52	23	5.5	12	0	11	
11/26/2011		40	52	23	5.5	12	0	12	
11/27/2011		39	52	22	5.5	12	0	11	
11/28/2011		39	52	22	5.5	12	0	10	
11/29/2011		40	52	23	5.5	12	0	11	
11/30/2011		39	52	23	5.5	12	0	12	
12/1/2011		0	0	0	0	0	0	0	

Total

682

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