

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **AST**
 Deliverability

Test Date:
8/14/2012

API No. 15
023-20634-0000

Company Rosewood Resources, Inc.		Lease R. Moore		Well Number 13-28	
County Cheyenne	Location NWSW/4	Section 28	TWP 2S	RNG (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 10/21/2005		Plug Back Total Depth 1789'		Packer Set at	
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1789'	Perforations 1668'	To 1700'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production		Pump Unit or Traveling Plunger? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1700'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-13		20 12 at 1:50		(AM) <input checked="" type="checkbox"/> (PM) Taken 8-14	
Well on Line: Started 8-14		20 12 at 2:05		(AM) <input checked="" type="checkbox"/> (PM) Taken 8-15	
		20 12 at 2:05		(AM) <input checked="" type="checkbox"/> (PM) Taken 8-15	

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OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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						262	276.4				
Flow						39	53.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _a) 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
						2		

(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" ----- 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)

Jannell Gerow
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 R. Moore 13-28
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: 12/19/12

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.

W439
 R. Moore 13-28
 West St. Francis
 St. Francis
 None
 August-12

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DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2012	31	45		2	
8/2/2012	31	45		2	
8/3/2012	32	45		2	
8/4/2012	52	65		2	
8/5/2012	54	67		2	
8/6/2012	46	59		2	
8/7/2012	36	50		2	
8/8/2012	36	50		2	
8/9/2012	34	48		2	
8/10/2012	32	46		2	
8/11/2012	63	77		2	1.5
8/12/2012	33	47		2	
8/13/2012	30	44		2	shut well into for state test psi 32
8/14/2012	262	42		0	24 open well psi 262
8/15/2012	39	53		4	
8/16/2012	27	41		2	
8/17/2012	33	46		2	
8/18/2012	33	46		2	
8/19/2012	32	45		2	
8/20/2012	32	45		2	
8/21/2012	30	43		2	
8/22/2012	30	43		2	
8/23/2012	28	41		2	
8/24/2012	28	41		2	
8/25/2012	28	41		2	
8/26/2012	31	45		2	
8/27/2012	31	45		2	
8/28/2012	38	51		2	
8/29/2012	35	48		2	
8/30/2012	34	47		2	
8/31/2012	35	48		2	

Total

62

W439

R. Moore 13-28

West St. Francis

St. Francis

None

September-12

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DATE	Casing			HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF		
9/1/2012	35	48		2	
9/2/2012	34	47		2	
9/3/2012	35	48		2	
9/4/2012	32	47		2	
9/5/2012	65	79		2	1
9/6/2012	35	48		2	
9/7/2012	148	161		0	19
9/8/2012	165	179		0	24
9/9/2012	172	185		0	24
9/10/2012	176	189		0	24
9/11/2012	177	190		0	24
9/12/2012	178	191		0	24
9/13/2012	114	125		5	10
9/14/2012	99	112		3	
9/15/2012	91	104		3	
9/16/2012	86	99		2	
9/17/2012	76	89		2	
9/18/2012	69	73		2	
9/19/2012	81	95		2	
9/20/2012	28	42		3	
9/21/2012	33	47		2	
9/22/2012	33	47		2	
9/23/2012	33	47		2	
9/24/2012	35	49		2	
9/25/2012	36	50		2	
9/26/2012	36	50		2	
9/27/2012	37	51		2	
9/28/2012	35	48		2	
9/29/2012	35	48		2	
9/30/2012	35	48		2	
10/1/2012					

Total

54

W439
 R. Moore 13-28
 West St. Francis
 St. Francis
 None
 October-12

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DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
10/1/2012	35	48		2	
10/2/2012	35	48		2	
10/3/2012	35	48		2	
10/4/2012	33	46		2	
10/5/2012	34	47		2	
10/6/2012	33	46		2	
10/7/2012	32	46		2	
10/8/2012	33	47		2	
10/9/2012	33	47		2	
10/10/2012	33	47		2	
10/11/2012	32	46		2	
10/12/2012	33	47		2	
10/13/2012	34	47		2	
10/14/2012	34	47		2	
10/15/2012	35	48		2	
10/16/2012	55	59		2	
10/17/2012	35	49		2	
10/18/2012	34	47		2	
10/19/2012	30	43		2	
10/20/2012	63	77		2	
10/21/2012	39	53		2	
10/22/2012	36	50		2	
10/23/2012	31	45		2	
10/24/2012	29	43		2	
10/25/2012	32	46		2	
10/26/2012	32	45		2	
10/27/2012	32	45		2	
10/28/2012	32	45		2	
10/29/2012	85	98		2	2
10/30/2012	70	83		2	
10/31/2012	39	52		2	

Total

62