

# KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

Open Flow  **SI**  
 Deliverability

Test Date:  
7/18/2007

API No. 15  
023-20632-00-**00**

Company Rosewood Resources, Inc.			Lease Alvin		Well Number 44-08
County Cheyenne	Location SESE/4	Section 8	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 10/22/2005		Plug Back Total Depth 1537'	Packer Set at		
Casing Size 2 7/8"	Weight 6.5#	Internal Diameter 2.441	Set at 1552'	Perforations 1419'	To 1451'
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 checked="" type="checkbox"/> No flowing		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G <sub>g</sub> .6	
Vertical Depth(H) 1451'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 7/18		20 07	at 12:30	(AM) <input checked="" type="checkbox"/> PM	Taken 7/19
Well on Line: Started 7/19		20 07	at 2:10	(AM) <input checked="" type="checkbox"/> PM	Taken 7/20
		20 07	at 2:10	(AM) <input checked="" type="checkbox"/> PM	Taken 7/20

### OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (P <sub>m</sub> )	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						240	254.4				
Flow						220	234.4			24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</sub> ) (F <sub>v</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						40		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>a</sub>)<sup>2</sup> = 0.207

(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

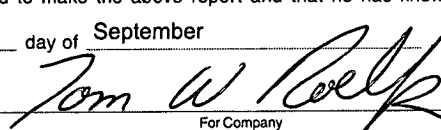
(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ :

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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 $\left[ \frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	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 25 day of September, 2007.

\_\_\_\_\_  
Witness (if any)  
\_\_\_\_\_  
For Commission

  
For Company  
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NOV 02 2007

CONSERVATION DIVISION  
WICHITA, KS

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.

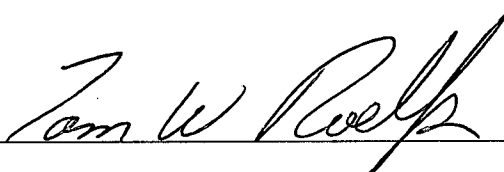
I hereby request a one-year exemption from open flow testing for the Alvin 44-8 gas well on the grounds that said well:

(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: 9/25/2007

Signature:   
Title: Production Foreman

**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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CONSERVATION DIVISION  
WICHITA KS

W2087  
 Alvin 44-8  
 St. Francis  
 St. Francis  
 None  
 July-07

DATE	Casing			HRS	REMARKS (Maximum length 110 characters)
	PSI	STATIC	MCF	DOWN	
7/1/2007		167		23	0
7/2/2007		167		23	0
7/3/2007	245	167		39	0 bp
7/4/2007		167		40	0
7/5/2007		168		44	0
7/6/2007		167		44	0
7/7/2007		166		44	0
7/8/2007		167		44	0
7/9/2007		167		26	12
7/10/2007		234		7	15
7/11/2007		167		16	12 bp
7/12/2007		167		36	0
7/13/2007		167		41	0
7/14/2007		167		43	0
7/15/2007		167		43	0 bp
7/16/2007		167		43	0
7/17/2007		167		43	0
7/18/2007	240	166		44	0
7/19/2007		35		14	0 si 24 hr test cp - 240
7/20/2007		169		29	0
7/21/2007		167		45	0
7/22/2007		167		45	0
7/23/2007		167		45	0
7/24/2007	240	167		39	4
7/25/2007		166		45	0
7/26/2007		167		45	0
7/27/2007		167		44	0
7/28/2007		167		41	0
7/29/2007		166		43	0
7/30/2007		166		45	0 bp
7/31/2007		167		45	0

Total

1168

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W2087

Alvin 44-8

St. Francis

St. Francis

None

August-07

DATE	Casing PSI	STATIC	MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
8/1/2007		167		45	0
8/2/2007		167		45	0
8/3/2007		166		45	0
8/4/2007		166		45	0
8/5/2007		166		45	0
8/6/2007		166		45	0
8/7/2007		166		45	0 bp
8/8/2007		166		45	0
8/9/2007		168		45	12
8/10/2007		166		17	0
8/11/2007		166		35	0
8/12/2007		167		40	0
8/13/2007		165		40	0
8/14/2007		165		40	0 bp
8/15/2007	220	166		40	0
8/16/2007		166		40	0
8/17/2007		166		43	0
8/18/2007		165		43	0 bp
8/19/2007		166		43	0
8/20/2007		166		44	0
8/21/2007		166		44	0
8/22/2007	230	166		44	0
8/23/2007		167		44	0
8/24/2007		166		44	0
8/25/2007		166		44	0
8/26/2007		166		44	0
8/27/2007		166		43	0 bp
8/28/2007		166		43	0
8/29/2007		167		42	0
8/30/2007		167		42	0
8/31/2007		167		42	0

Total

1306

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CONSERVATION DIVISION  
WICHITA, KS

W2087

Alvin 44-8

St. Francis

St. Francis

None

September-07

DATE	Casing		HRS		REMARKS (Maximum length 110 characters)
	PSI	STATIC MCF	DOWN		
9/1/2007		165	43	0	
9/2/2007		166	42	0	
9/3/2007		165	43	0	
9/4/2007		165	43	0	
9/5/2007		165	35	7	
9/6/2007		165	34	0	
9/7/2007		165	35	3	
9/8/2007		165	44	0	
9/9/2007		167	44	0	bp
9/10/2007		165	44	0	
9/11/2007	235	165	44	0	
9/12/2007		165	43	0	
9/13/2007		166	43	0	
9/14/2007		166	43	0	
9/15/2007		166	42	0	
9/16/2007		165	42	0	
9/17/2007		166	41	0	
9/18/2007		165	41	0	
9/19/2007		166	42	0	
9/20/2007		165	42	0	
9/21/2007	240	166	41	0	
9/22/2007		165	42	0	
9/23/2007		165	41	0	
9/24/2007		165	41	0	bp
9/25/2007		166	42	0	
9/26/2007		165	44	0	
9/27/2007		166	43	0	
9/28/2007	179	166	41	0	si
9/29/2007		175	6	0	si
9/30/2007		177	0	0	si
10/1/2007					

Total

1171

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