

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
11/17/2006

API No. 15
181-20408-00-∞

Company Rosewood Resources, Inc.		Lease Duell		Well Number 11-27	
County Sherman	Location NWNW	Section 27	TWP 7S	RNG (E/W) 39W	Acres Attributed 80
Field Goodland		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 6/6/2006		Plug Back Total Depth 1215'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.000	Set at 1215'	Perforations 1030'	To 1064'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Vertical)		Type Fluid Production Dry Gas		Pump Unit or Traveling Plunger? Yes / No flowing	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1215'		Pressure Taps Flange		Gas Gravity - G _g .6	
				(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					
Well on Line: Started 11-16 20 06 at 7:50 (AM) (PM) Taken 11-17 20 06 at 8:00 (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Wall 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						59	73.4				
Flow						53	67.4				

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						12		

(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" ----- 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 **20** day of **January**, 20**07**.

Witness (if any)

For Company

For Commission **KANSAS CORPORATION COMMISSION**

Checked by

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**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.

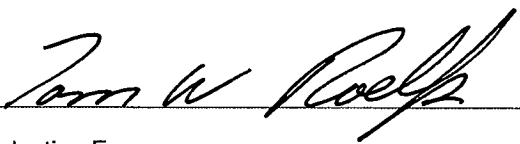
I hereby request a one-year exemption from open flow testing for the Duell 11-27 gas well on the grounds that said well:

(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: 1/20/2007

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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Monthly Gauge Sheet

Well Name: Dwell 11-27

Pumper: TR5

Month 11/06

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								7:50A @ 15mcf @ 59#CP
17	69		13			56		CD
18	69		12			56		CD
19	69		11			56		
20	68		13			55		
21	67		13			54		
22	67		13			54		
23	67		13			54		
24	66		13			53		
25	66		13			53		
26	66		11			53		
27	66		12			53		
28	66		12			53		
29	65		13			52		
30	65		12			52		
31								
Totals								

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Monthly Gauge Sheet ✓

Well Name: Dwell 11-27

Pumper: _____

Month 12/06

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks
1	65		11			52		
2	65		11			52		
3	66		9			53		
4	65		11			52		BP
5	65		12			52		BP
6	64		12			51		
7	64		12			51		
8	64		12			51		
9	64		12			51		
10	64		12			51		
11	64		12			51		
12	64		12			51		Pit closed
13	63		12			50		BP
14	63		8			50		CD
15	63		12			50		
16	63		12			50		
17	63		12			50		
18	63		11			50		no flow
19	63		12			50		BP
20	65		10			52		
21	64		10			51		
22	64		10			51		
23	64		11			51		
24	63		11			50		
25	63		11			50		
26	62		10			49		
27	62		12			49		
28	62		11			49		BP
29	62		11			49		
30	62		11			49		
31	62		11			49		

Totals

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Monthly Gauge Sheet ✓

Well Name: Dwell 11-27

Pumper: _____

Month 1/07

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks
1	62		10			49		
2	62		11			49		
3	62		12			49		
4	62		13			49		BP
5	62		12			49		
6	63		10			50		CO 4hrs
7	62		11			49		
8	62		11			49		
9	61		11			48		
10	61		14			48		BP
11	61		11			48		
12	62		10			49		
13	61		11			48		
14	61		11			48		
15	60		11			47		
16	61		14			48		
17	61		10			48		Frozen Thawed
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Totals								

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