## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

| Type Test  | :<br>en Flow                  | , K   | ISI                                   |                                |   | (                  | See Instruc         | tions on Re                        | everse Side  | )  |                      |                       |                                |  |  |
|--|-------------------------------|---|---------------------------------------|--------------------------------|---|--------------------|---------------------|------------------------------------|--|--|----------------------|-----------------------|--------------------------------|--|--|
| _ :  | liverabil                     |   | •                                     |                                |   | Test Date 2/4/2009 |                     |                                    |  |  | No. 15<br>181-20416- | 00.60                 |                                |  |  |
| Company  |                               | ource   |                                       |                                |   | 2/4/2003           |                     | Lease<br>G. Ihrig                  | 1  |  | 101 20110            | 13-2                  | Well N                         | umber  |  |
| Rosewood Resources  County Location Sherman NWSW                     |                               |   |                                       | Section TWP 20 7S              |   |                    |                     | RNG (E/W)<br>39W                   |  |  | Acres Attributed     |                       |                                |  |  |
| Field<br>Goodland  |                               |   |                                       |                                | Reservoir   |                    |                     | Gas Gathering Co<br>Branch Systems |  |  |                      |                       |                                |  |  |
| Completio 3/22/200   | on Date                       | <u> </u>  |                                       |                                |   | Plug Back          | k Total Dep         | th                                 |  | Packer S   |                      |                       |                                | · · · · · · · · · · · · · · · · · · ·              |  |
|  | Casing Size Weight            |   |                                       |                                | Internal E  | Diameter           | Set<br>117          | at<br>'7.67'                       | Perfo  | rations<br>2'  | то<br>109            | то<br>1098'           |                                |  |  |
| Tubing Size Weight none  |                               |   |                                       | Internal E                     | Diameter  | Set at             |                     | Perforations                       |  | То   |                      |                       |                                |  |  |
| Type Com   |                               |   |                                       |                                |   | Type Flui          | d Productio         | n                                  |  | Pump Ur<br>Flowin  | nit or Traveling     | Plunger? Ye           | es /(No                        | )  |  |
| Producing<br>Annulus   | Thru (                        |   | •                                     | ng)                            | h   |                    | arbon Diox          | ide                                |  | % Nitrog   | jen                  | Gas<br>.6             | Gravity -                      | G  |  |
| Vertical D   |                               | )   |                                       |                                |   |                    | Pres<br>Flan        | sure Taps                          |  |  |                      | (Met<br>2"            | er Run) (l                     | Prover) Size                                       |  |
|  | Pressure Buildup: Shut in 2-3 |   |                                       | 3                              | 20 09 at 11:10  |                    |                     | (AM) (PM) Taken 2-4 2              |  |  |                      | 09 at 11:25 (AM) (PM) |                                | (AM) (PM)  |  |
| Well on Li   | Well on Line: Started         |   | arted _2-                             | 4                              | 20  | 09 at 11:25        |                     | (AM) (PM) Taken 2-5                |  |  | 20                   | 09 at 12:1            | 0                              | (AM) (M)   |  |
|  |                               |   |                                       |                                |   |                    | OBSERVE             | D SURFAC                           | E DATA   |  |                      | Duration of Sh        | nut-in 72                      | Hours  |  |
| Static /<br>Dynamic<br>Property                                      | amic Size Prover Pressure     |   |                                       | Pressure<br>Differential<br>in | t temperature temperature   |                    | I Wellhead Pressure |                                    | Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) |  | Duration<br>(Hours)  |                       | Liquid Produced<br>(Barrels)   |  |  |
| Shut-In  | (1110110                      | -   | psig (Pm                              | 1)                             | Inches H <sub>2</sub> 0   |                    |                     | psig<br>22                         | 95la<br>36.4   | psig   | psia                 |                       |                                |  |  |
| Flow   |                               |   |                                       |                                |   |                    |                     | 24                                 | 38.4   |  |                      | 72                    | 0                              |  |  |
|  |                               |   |                                       |                                |   |                    | FLOW STI            | REAM ATT                           | RIBUTES  |  |                      |                       |                                |  |  |
| Plate<br>Coeffiecient<br>(F <sub>b</sub> ) (F <sub>p</sub> )<br>Mcfd |                               | Circle one:<br>Meter or<br>Prover Pressure<br>psia              |                                       |                                | Press<br>Extension<br>✓ P <sub>m</sub> x h  | 1 actor            |                     | Tomporature                        |  | eviation Metered Flo<br>factor R<br>F <sub>pv</sub> (Mcfd) |                      | (Cubic                | OR<br>: Feet/<br>rel)          | Flowing<br>Fluid<br>Gravity<br>G <sub>m</sub>      |  |
|  |                               |   | · · · · · · · · · · · · · · · · · · · |                                |   |                    |                     |                                    |  |  | 16                   |                       |                                |  |  |
| (P <sub>c</sub> ) <sup>2</sup> =                                     |                               |   | (D \2                                 |                                |   | (OPEN FL           |                     | /ERABILIT`<br>% (                  | Y) CALCUL<br>(P <sub>c</sub> - 14.4) +   |  | •                    |                       | $(P_a)^2 = 0.5$<br>$(P_b)^2 =$ | 207  |  |
| $(P_c)^2 - (P_a)^2$<br>or<br>$(P_c)^2 - (P_d)^2$                     |                               | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> |                                       | Choose 1                       | 1. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> 1. or 2. |                    |                     | Backpressure Curve                 |  | e n x LOG  |                      | Antilog               | D                              | Open Flow Deliverability Equals R x Antilog (Mcfd) |  |
|  |                               |   |                                       | divide                         | ed by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>  | by:                | <u>'</u> ' *        | Stan                               | dard Slope   |  |                      |                       |                                | (WCIO)   |  |
|  |                               |   |                                       |                                | -   |                    |                     |                                    |  |  |                      |                       |                                |  |  |
| Open Flor  | w                             |   |                                       |                                | Mcfd @ 14.6   | 35 psia            |                     | Delivera                           | bility   |  |                      | Mcfd @ 14.65          | psia                           |  |  |
|  |                               |   |                                       |                                | ehalf of the<br>report is true  |                    |                     |                                    |  |  | he above repo        | ort and that he       | has kno                        | wledge of  |  |
|  |                               |   | Witnes                                | s (if any                      | )   | <u> </u>           |                     |                                    |  | /or  | n W                  | Company               | 4                              | RECE   |  |
|  |                               |   | For Co                                | mmissio                        | n   |                    |                     |                                    |  |  | Che                  | ecked by              |                                | -NOV-3   |  |
|  |                               |   |                                       |                                |   |                    |                     |                                    |  |  |                      |                       |                                |  |  |

| exempt status und  | r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.   |
|--------------------|---|
|                    | oing pressure information and statements contained on this application form are true and  |
| of equipment insta | of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named.   |
|                    | unds that said well:  |
|                    | 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing. |
| Date: 11/16/09     | Signature: am W Rolls   |

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.

NOV 3 0 2009

W2055 G. Ihrig 13-20 North Goodland Goodland None February-09

|           | Casing |        |  | F  | IRS  | REMARKS                         |
|-----------|--------|--------|--|----|------|---------------------------------|
| DATE      | PSI    | STATIC | MCF  | I  | OOWN | (Maximum length 110 characters) |
| 2/1/2009  | 2:     | 2 35   | ;  | 16 | 0    |                                 |
| 2/2/2009  | 2:     | 2 35   | ;  | 16 | 0    |                                 |
| 2/3/2009  | 2      | 3 41   |  | 9  | 12   |                                 |
| 2/4/2009  | 2      | 3 41   |  | 0  | 24   |                                 |
| 2/5/2009  | 2      | 3 41   |  | 0  | 24   |                                 |
| 2/6/2009  | 2      | 3 41   |  | 0  | 24   |                                 |
| 2/7/2009  | 2      | 3 41   |  | 6  | 10   | bp                              |
| 2/8/2009  | 2      | 4 37   | 1  | 18 | 0    |                                 |
| 2/9/2009  | 2      | 4 37   | ,  | 18 | 0    |                                 |
| 2/10/2009 | 2      | 4 37   | ,  | 15 | 5    |                                 |
| 2/11/2009 | 2      | 4 37   | ,  | 15 | 2    |                                 |
| 2/12/2009 | 2      | 4 37   | ,  | 16 | 0    |                                 |
| 2/13/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/14/2009 | 2:     | 3 36   | <u>,                                    </u> | 16 | 0    |                                 |
| 2/15/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/16/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/17/2009 | 2.     | 3 36   | ó  | 16 | 0    |                                 |
| 2/18/2009 | 2:     | 3 36   | 5  | 16 | 0    | bp                              |
| 2/19/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/20/2009 | 2.     | 3 36   | ó  | 16 | 0    |                                 |
| 2/21/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/22/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/23/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/24/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/25/2009 | 2:     | 3 36   | 5  | 16 | 0    |                                 |
| 2/26/2009 | 2:     | 2 35   | ;  | 16 | 0    |                                 |
| 2/27/2009 | 2:     | 2 35   | 5  | 16 | 6    |                                 |
| 2/28/2009 | 2:     | 2 35   | ;  | 15 | 6    |                                 |
| 3/1/2009  |        |        |  |    | 0    |                                 |
| 3/2/2009  |        |        |  |    | 0    |                                 |
| 3/3/2009  |        |        |  |    | 0    |                                 |

Total 384

RECEIVED NOV 3 0 2009

W2055 G. Ihrig 13-20 North Goodland Goodland None March-09

|           | Casing |        |     | HRS |   | REMARKS                         |
|-----------|--------|--------|-----|-----|---|---------------------------------|
| DATE      | PSI    | STATIC | MCF | DOW | N | (Maximum length 110 characters) |
| 3/1/2009  | 2      | 4 3    | 7   | 10  | 0 |                                 |
| 3/2/2009  | 2      | 4 3    | 7   | 9   | 0 |                                 |
| 3/3/2009  | 2      | 4 3    | 7   | 13  | 0 |                                 |
| 3/4/2009  | 2      | 4 3    | 7   | 13  | 0 |                                 |
| 3/5/2009  | 2      | 4 - 3  | 7   | 17  | 0 | bp                              |
| 3/6/2009  | 2      | 4 3    | 7   | 17  | 0 |                                 |
| 3/7/2009  | 2      | 4 3    | 7   | 17  | 0 |                                 |
| 3/8/2009  | 2      | 4 3    | 7   | 17  | 0 |                                 |
| 3/9/2009  | 2      | 4 3    | 7   | 17  | 0 |                                 |
| 3/10/2009 | 2      | 4 3    | 7   | 17  | 0 |                                 |
| 3/11/2009 | 2      | 4 3    | 7   | 17  | 0 |                                 |
| 3/12/2009 | 2      | 4 3    | 7   | 17  | 0 |                                 |
| 3/13/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/14/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/15/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/16/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/17/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/18/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/19/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/20/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/21/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/22/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/23/2009 | 2      | 2 3    | 5   | 16  | 0 |                                 |
| 3/24/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |
| 3/25/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |
| 3/26/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |
| 3/27/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |
| 3/28/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |
| 3/29/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |
| 3/30/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |
| 3/31/2009 | 2      | 1 3    | 4   | 16  | 0 |                                 |

Total 485