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

| Type Test   | :<br>en Flow                  | <b>B</b> SI   |   | (   | oee instrud                   | ctions on Re  | verse Side                                    | ij                   |   |                 |  |                      |   |
|---|-------------------------------|---|---|---|-------------------------------|---|---|----------------------|---|-----------------|--|----------------------|---|
| = '   | liverabilty                   | ,   |   | Test Date<br>6/30/14                        | <b>)</b> :                    |   |   |                      | No. 15<br>I <b>-</b> 20541-00 <b>0</b>                            | <b>X</b> O      |  |                      |   |
| Company   |                               | ources, Inc.  |   |   |                               | Lease<br>Philbric                                   | k   |                      |   |                 | 43-10  | Vell Nu              | mber  |
| County<br>Sherman                                 | n                             | Locat<br>NESE/  |   | Section<br>10                               |                               | TWP<br>9S   |   | RNG (E<br>40W        | (W)   |                 |  | cres A               | ttributed                                     |
| Field<br>Goodan                                   | d                             |   |   | Reservoir<br>Niobrara                       |                               |   |   |                      | hering Conn<br>Systems In   |                 |  |                      |   |
| Completion 6/13/08                                | on Date                       |   |   | Plug Bac<br>1263'                           | k Total Dep                   | oth   |   | Packer \$            | Set at  | ·               | -  |                      |   |
| Casing S<br>2 7/8"                                | ize                           | Weig<br>6.5#  |   | Internal D<br>2.441                         | Diameter                      | Set :<br>126  |   | Perfo<br>103         | rations<br>4'   |                 | To<br>1064'  |                      |   |
| Tubing Si   | ize                           | Weig  | ht  | Internal [                                  | Diameter                      | Set   | at  | Perfo                | rations   |                 | То   |                      |   |
| Type Con<br>Single (                              |                               | (Describe)<br>ntional)  |   | Type Flui<br>DryGa                          | d Productio                   | on  | -   | Pump U<br>flowin     | nit or Traveling  | g Plunger?      | Yes  | (No)                 |   |
| Producing<br>Annulus                              |                               | Annulus / Tubin   | ng)   | % C   | arbon Diox                    | ide   |   | % Nitrog             | jen   |                 | Gas Gra  | vity - G             | <u> </u>                                      |
| Vertical D  | epth(H)                       |   |   |   | Pres<br>Flan                  | ssure Taps  |   |                      |   |                 | (Meter F   | lun) (Pr             | over) Size                                    |
| Pressure  | Buildup:                      | Shut in 6-2   | 29 20   | 14 at 1                                     |                               | (PM)  | Taken 6-                                      | 30                   | 20  | 14 at _         | 10:50  |                      | AM) (PM)                                      |
| Well on L   | ine:                          | Started 6-3   | 30 20   | 14 at 1                                     | 0:50                          | (PM)  | Taken 7-                                      | 1                    | 20  | .14 at _        | 11:40  | @                    | AM) (PM)                                      |
|   |                               |   |   |   | OBSERVE                       | ED SURFAC   | E DATA  |                      | <u> </u>  | Duration        | of Shut-i  | <u>24</u>            | Hours   |
| Static /<br>Dynamic<br>Property                   | Orifice<br>Size<br>(inches)   | Meter<br>Prover Press   | Differential :  | Flowing<br>Temperature<br>t                 | Well Head<br>Temperature<br>t | Wellhead<br>(P, ) or (F                             |   | Wellhe               | Tubing<br>ad Pressure<br>r (P <sub>t</sub> ) or (P <sub>c</sub> ) | Dura<br>(Hou    |  |                      | l Produced<br>larrels)                        |
| Shut-In   | _                             | perg (Fin)  | inches H <sub>2</sub> O   |   |                               | psig<br>5   | 19.4  | psig                 | psia  |                 |  |                      |   |
| Flow  | _                             |   |   |   |                               | 1   | 15.4  | _                    |   | 24              |  | 0                    |   |
|   | <del></del>                   |   | <del></del>   |   | FLOW ST                       | REAM ATT  | BUTES   |                      |   |                 |  |                      |   |
| Plate<br>Coeffied<br>(F <sub>b</sub> ) (F<br>Mcfd | ient                          | Circle one:<br>Meter or<br>Prover Pressure<br>psia              | Press<br>Extension<br>✓ P <sub>m</sub> x h  | Grav<br>Fac<br>F                            | tor                           | Flowing<br>Temperature<br>Factor<br>F <sub>I1</sub> | Fa  | iation<br>ctor<br>pv | Metered Flor<br>R<br>(Mcfd)                                       |                 | GOR<br>Cubic Fee<br>Barrel)                                      | nt/                  | Flowing<br>Fluid<br>Gravity<br>G <sub>m</sub> |
|   |                               |   |   |   |                               |   |   |                      | 6   |                 |  |                      |   |
| (P <sub>c</sub> )² ⇔                              |                               | (P )2:  | =:  | (OPEN FL                                    |                               | VERABILITY<br>% (I                                  | ') CALCUL<br>P <sub>e</sub> - 14.4) +         |                      | :   |                 | (P <sub>a</sub> ) <sup>2</sup><br>(P <sub>d</sub> ) <sup>2</sup> | = 0.20<br>=          | 07  |
| (P <sub>c</sub> ) <sup>2</sup> - (I               | P <sub>a</sub> ) <sup>2</sup> | (P <sub>o</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>e</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | LOG of<br>formula<br>1. or 2.<br>and divide |                               | Backpre<br>Slo                                      | essure Curve pe = "n" - or ssigned dard Slope | n x                  | rog   | Antil           |  | Op<br>Deli<br>Equals | en Flow<br>verability<br>R x Antilog<br>Mcfd) |
|   |                               |   |   | +   |                               |   |   | _                    |   |                 |  |                      |   |
| Open Flo  | w                             |   | Mcfd @ 14.  | 65 psia                                     |                               | Deliveral   | oility  |                      |   | Mcfd @ 1        | 4.65 psia  | a                    |   |
| The   | undersigr                     | ned authority, o  | on behalf of the  | Company, s                                  | states that                   | he is duly a  | uthorized t                                   | o make t             | ne above repo   | ort and the     | at he ha   | s knowl              | edge of                                       |
| the facts s                                       | tated the                     | rein, and that s  | said report is true   |   |                               |   |   | _                    | - 1   |                 | - P.   | <del>70</del> ,2     | 14  |
| <del></del>                                       |                               | Witness   | (if any)  |   |                               | 'ICHIT <sub>/</sub>                                 |   | an                   | all_For   | -1/U<br>Company | all  | ue                   | <u> </u>                                      |
|   |                               | For Com   | mission   |   | FEB 23                        | 3 2015 .  |   | ··-                  | Che   | ocked by        |  |                      |   |
|   |                               |   |   |   | REC                           | EIVED   |   |                      |   |                 |  |                      |   |

| exempt status under   | penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.  ng pressure information and statements contained on this application form are true and |
|-----------------------|--|
| •                     | f my knowledge and belief based upon available production summaries and lease records  |
| of equipment installa | ation and/or upon type of completion or upon use being made of the gas well herein named.  at one-year exemption from open flow testing for the Philbrick 43-10  |
| gas well on the grou  |  |
| is                    | ne) s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No   |
|                       | s not capable of producing at a daily rate in excess of 250 mcf/D  |
| _                     | o supply to the best of my ability any and all supporting documents deemed by Commission o corroborate this claim for exemption from testing.  |
| Date: 12/21/14        |  |
| FEB 2                 | VICH!TA Signature: Cenaul Matturey  3 2015  Title: Production Assistant  CEIVED  |

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.

W2589 Philbrick 43-10 South Goodland Goodland None June-14

|           | Casing |        |     | I | HRS  | REMARKS                         |
|-----------|--------|--------|-----|---|------|---------------------------------|
| DATE      | PSI    | STATIC | MCF | I | OOWN | (Maximum length 110 characters) |
| 6/1/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/2/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/3/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/4/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/5/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/6/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/7/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/8/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/9/2014  | 1      | 14     |     | 6 | 0    |                                 |
| 6/10/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/11/2014 | 1      | 14     |     | 6 | 3.5  |                                 |
| 6/12/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/13/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/14/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/15/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/16/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/17/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/18/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/19/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/20/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/21/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/22/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/23/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/24/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/25/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/26/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/27/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/28/2014 | 1      | 14     |     | 6 | 0    |                                 |
| 6/29/2014 | 1      | 14     |     | 1 | 21   |                                 |
| 6/30/2014 | 5      | 18     |     | 0 | 24   |                                 |
| 7/1/2014  |        |        |     |   | 0    |                                 |

Total 169

KCC WICHITA FEB 23 2015 RECEIVED

W2589 Philbrick 43-10 South Goodland Goodland None July-14

|           | Casing |          | :     | HRS  | REMARKS                         |
|-----------|--------|----------|-------|------|---------------------------------|
| DATE      | PSI    | STATIC N | ICF : | DOWN | (Maximum length 110 characters) |
| 7/1/2014  |        | 18       | 1     | 8    | <del></del>                     |
| 7/2/2014  | 3      | 16       | 6     | 0    |                                 |
| 7/3/2014  | 1      | . 14     | 6     | 0    |                                 |
| 7/4/2014  | 1      | . 14     | 6     | 0    |                                 |
| 7/5/2014  | 1      | 14       | 6     | 0    |                                 |
| 7/6/2014  | 1      | . 14     | 6     | 0    |                                 |
| 7/7/2014  | 1      | . 14     | 6     | 0    |                                 |
| 7/8/2014  | 1      | . 14     | 6     | 0    |                                 |
| 7/9/2014  | 1      | 14       | 6     | 0    |                                 |
| 7/10/2014 | 1      | 14       | 6     | , 0  |                                 |
| 7/11/2014 | I      | 14       | 6     | 0    |                                 |
| 7/12/2014 | 1      | . 14     | 6     | 0    |                                 |
| 7/13/2014 | 1      | 14       | 6     | 0    |                                 |
| 7/14/2014 | 1      | 14       | 6     | 0    |                                 |
| 7/15/2014 | 1      | 14       | 6     | 0    |                                 |
| 7/16/2014 | 1      | 14       | 9     | 0    |                                 |
| 7/17/2014 | 0      | 13       | 9     | 0    |                                 |
| 7/18/2014 | 0      | 13       | 5     | 0    |                                 |
| 7/19/2014 | 1      | 14       | 6     | 0    |                                 |
| 7/20/2014 | 1      | 14       | 6     | 0    |                                 |
| 7/21/2014 | 1      | 14       | 6     | 0    |                                 |
| 7/22/2014 | 2      | 15       | 6     | 0    |                                 |
| 7/23/2014 | 2      | 15       | 6     | 0    |                                 |
| 7/24/2014 | 2      |          | 6     | 0    |                                 |
| 7/25/2014 | 2      |          | 6     | 0    |                                 |
| 7/26/2014 | 2      |          | 6     | 0    |                                 |
| 7/27/2014 | 2      |          | 6     | 0    |                                 |
| 7/28/2014 | 2      |          | 6     | 0    |                                 |
| 7/29/2014 | 2      |          | 6     | 0    |                                 |
| 7/30/2014 | 2      |          | 6     | 0    |                                 |
| 7/31/2014 | 2      | 15       | 6     | 0    |                                 |

Total 186

KCC WICHITA FEB 23 2015 RECEIVED

W2589 Philbrick 43-10 South Goodland Goodland None August-14

|           | Casing |        |     | HRS  | REMARKS                         |
|-----------|--------|--------|-----|------|---------------------------------|
| DATE      | PSI    | STATIC | MCF | DOWN | (Maximum length 110 characters) |
| 8/1/2014  |        | 2 15   | 6   | 0    | <del></del>                     |
| 8/2/2014  |        | 2 15   | 6   | 0    |                                 |
| 8/3/2014  |        | 2 15   | 6   | 0    |                                 |
| 8/4/2014  |        | 2 15   | 6   | 0    |                                 |
| 8/5/2014  |        | 2 15   | 6   | 0    |                                 |
| 8/6/2014  |        | 2 15   | 6   | 0    |                                 |
| 8/7/2014  |        | 1 14   | 6   | 0    |                                 |
| 8/8/2014  |        | 1 14   | 6   | 0    |                                 |
| 8/9/2014  |        | 1 14   | 6   | 3    |                                 |
| 8/10/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/11/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/12/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/13/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/14/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/15/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/16/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/17/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/18/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/19/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/20/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/21/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/22/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/23/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/24/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/25/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/26/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/27/2014 |        | 1 14   | 6   | 0    |                                 |
| 8/28/2014 |        | 1 14   | 6   | _    |                                 |
| 8/29/2014 |        | 1 14   | 6   |      |                                 |
| 8/30/2014 |        | 1 14   | 6   |      |                                 |
| 8/31/2014 |        | 1 14   | 6   | 0    | _                               |

Total 186

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