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

| Type Tes                                  | it:                             | WI  |   | (                                      | See Instruc  | tions on Rev   | verse Side  | a)                           |  |                               |  |  |  |
|---|---------------------------------|---|---|--|--|--|---|------------------------------|--|-------------------------------|--|--|--|
| Open Flow Deliverabilty                   |                                 |   |   |  | Test Date: API No. 15 6/1/2015 023-20536-00 <b>06</b>    |  |   |                              |  |                               |  |  |  |
| Compan                                    | y<br>ood Resc                   |   |   | Lease Well Number Raymond 3-4          |  |  |   |                              |  |                               |  |  |  |
| County Location Cheyenne SESE             |                                 |   | Section TWP 4 3S  |  |  | RNG (E<br>42W  | -(W)  |                              | Acres Attributed   |                               |  |  |  |
| Field<br>St. Fran                         | <br>ıcis                        |   |   | -                                      |  |  |   |                              | Gas Gathering Connection Branch Systems Inc.                       |                               |  |  |  |
| Completi<br>10-7-20                       |                                 |   |   | Plug Bac<br>1773'                      | k Total Dep  | th   |   | Packer                       | Set at   |                               |  |  |  |
| Casing S<br>4 1/2"                        | Size                            | Weight<br>10.5#   |   | Internal Diameter Set at 4.052 1777'   |  |  |   | Perfo                        | rations<br>'8'   | то<br>1613'                   |  |  |  |
| Tubing S                                  | Size                            | Weight  |   | Internal [                             | Diameter   | Set a  | t   | Perf                         | orations   | То                            |  |  |  |
|   | mpletion (                      | Describe)<br>ntional)   |   | Type Fluid Production Dry Gas          |  |  |   | nit or Traveling<br>ing Unit | Plunger? Yes   | )/ No                         |  |  |  |
| Producing Thru (Annulus / Tubing) Annulus |                                 |   | % Carbon Dioxide  |  |  | % Nitro  | gen   | Gas Gr<br>.6                 | avity - G <sub>g</sub>   |                               |  |  |  |
| Vertical I                                | Vertical Depth(H)               |   |   |  | Pressure Taps Flange                                     |  |   |                              |  | (Meter 2"                     | Run) (Prover) Size                                 |  |  |
| Pressure                                  | Buildup:                        | Shut in 6-1   |   |  | 15 at 1:20 (AM) (PM) Taken 6                             |  |   |                              |  | 15 <sub>at</sub> 1:35         | (AM)(PM)   |  |  |
| Well on L                                 | _ine:                           | Started 6-4   | 2   | 0 <u>15</u> at <u>1</u>                | :35  | (AM) (PM)  | Taken 6-  | 5                            | 20   | 15 <sub>at</sub> 2:20         | (AM)(PM)   |  |  |
|   |                                 |   |   |  | OBSERVE  | D SURFACE  |   |                              |  | Duration of Shut-             | in 96 Hours  |  |  |
| Static /<br>Dynamic<br>Property           | Dynamic Size Prover Pressure in |   | Differential  | Flowing Well Head Temperature t t      |  | Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia |   | Wellhe                       | Tubing ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> ) psia | Duration<br>(Hours)           | Liquid Produced<br>(Barrels)                       |  |  |
| Shut-In                                   |                                 |   |   |  |  |  | 148.4   | paig                         | paia   |                               |  |  |  |
| Flow                                      |                                 |   |   |  |  | 28   | 42.4  |                              |  | 96                            | 0  |  |  |
| , <del>-</del>                            |                                 |   |   |  | FLOW STR   | EAM ATTRI  | BUTES   |                              |  |                               |  |  |  |
| Plate<br>Coeffied<br>(F <sub>b</sub> ) (F | cient<br>c <sub>p</sub> ) F     | Circle one:<br>Meter or<br>Prover Pressure<br>psia              | Press<br>Extension<br>P <sub>m</sub> xh   | Grav<br>Fact<br>F <sub>s</sub>         | tor 1  | Flowing<br>Temperature<br>Factor   | Fa  | iation<br>ctor<br>:<br>PY    | Metered Flov<br>R<br>(Mcfd)  | v GOR<br>(Cubic Fe<br>Barrel) | et/ Flowing Fluid Gravity G <sub>m</sub>           |  |  |
|   |                                 |   |   |  |  |  |   |                              | 6  |                               |  |  |  |
| /D \2 _                                   |                                 | (D \2 -   | ,   | -                                      |  | ERABILITY)   | CALCUL<br>- 14.4) +                               |                              |  | (P <sub>a</sub> )             | <sup>2</sup> = 0.207                               |  |  |
| (P <sub>c</sub> )² =                      | <del></del> -                   | (P <sub>w</sub> ) <sup>2</sup> =_                               | Choose formula 1 or 2.  | P <sub>d</sub> =                       |  | <del></del>  |   |                              |  |                               |  |  |  |
| (P <sub>c</sub> ) <sup>2</sup> - (I       | - 1                             | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> | <ol> <li>P<sub>c</sub><sup>2</sup> - P<sub>a</sub><sup>2</sup></li> <li>P<sub>c</sub><sup>2</sup> - P<sub>d</sub><sup>2</sup></li> <li>livided by: P<sub>c</sub><sup>2</sup> - P<sub>w</sub><sup>2</sup></li> </ol> | LOG of formula 1. or 2. and divide by: | P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> | Slop   | sure Curve<br>e ≃ "n"<br>or<br>igned<br>ird Slope | l n x                        | LOG  | Antilog                       | Open Flow Deliverability Equals R x Antilog (Mcfd) |  |  |
|   |                                 |   |   |  |  |  |   |                              |  |                               |  |  |  |
| <u></u>                                   |                                 |   | <del>-</del>  | <u> </u>                               |  | <u></u>  | <del>_</del> _                                    |                              | <u>_</u>   | L <u></u>                     |  |  |  |
| Open Flo                                  | w                               |   | Mcfd @ 14.6   | 65 psia                                |  | Deliverabi   | lity  |                              |  | Mcfd @ 14.65 psi              | a  |  |  |
|   | -                               | ed authority, on<br>ein, and that sa                            |   | , ,                                    |  | •  |   |                              | •  | rt and that he ha             | s knowledge of                                     |  |  |
| 10013 3                                   | uici                            | ong una mai sa  | - report to title   | - 2114 001160                          |  | VVICE  |   | 201_<br>202                  | aaila  | ' Me                          | utin   |  |  |
|   |                                 | Witness (if   |   |  | APR  |  |   |                              |  | Company                       |  |  |  |
|   |                                 | For Commi   | ssion   |  | <del>  11</del>   1                                      | , -,   | . ——  |                              | Che  | cked by                       |  |  |  |

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| 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 Raymond 3-4 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: 12/21/15  |
| KCC WICHITASignature: Central Martines  APR 07 2016  RECEIVED   |

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.

W367

WELL ID

Raymond 3-4

LEASE NAME

West St. Francis

**FIELD** 

St. Francis

AREA

Pumping Unit/Gas EQUIPMENT

June-15

DATE

|           | Line Casing |            | HR             | ks  | REMARKS                         |
|-----------|-------------|------------|----------------|-----|---------------------------------|
| DATE      | PSI PSI_    | STATIC MCF | DC             | )WN | (Maximum length 110 characters) |
| 6/1/2015  | 110         | 123        | 0              | 24  |                                 |
| 6/2/2015  | 112         | 125        | 0              | 24  |                                 |
| 6/3/2015  | 112         | 125        | 0              | 24  |                                 |
| 6/4/2015  | 121         | 134        | 0              | 24  |                                 |
| 6/5/2015  | 89          | 102        | 6'<br>6        | 0   |                                 |
| 6/6/2015  | 15          | 28         |                | 0   |                                 |
| 6/7/2015  | 15          | 28         | 6              | 0   |                                 |
| 6/8/2015  | 15          | 28         | 6              | 0   |                                 |
| 6/9/2015  | 15          | 28         | 6              | 0   |                                 |
| 6/10/2015 | 15          | ; 28       | 6              | 0   |                                 |
| 6/11/2015 | 15          | 28         | 6,             | 0   |                                 |
| 6/12/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/13/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/14/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/15/2015 | 15          | 28         | 6'             | 0   |                                 |
| 6/16/2015 | 15          | 28         | 6;             | 0   |                                 |
| 6/17/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/18/2015 | 15          | i 28       | 6              | 0   |                                 |
| 6/19/2015 | 14          | 27         | 6,             | 0   |                                 |
| 6/20/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/21/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/22/2015 | 15          | 28         | 6.             | 0   |                                 |
| 6/23/2015 | 14          | 27         | 6              | 0   |                                 |
| 6/24/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/25/2015 | 15          | 28         | 6 <sup>i</sup> | 0   |                                 |
| 6/26/2015 | 15          | i 28       | <b>6</b> ]     | 0   |                                 |
| 6/27/2015 | 15          | . 28       | <b>6</b> ,     | 0   |                                 |
| 6/28/2015 | 15          | 1 28       | 6 <sup>!</sup> | 0   |                                 |
| 6/29/2015 | 15          | 28         | 6              | 0   |                                 |
| 6/30/2015 | 15          | ; 28       | 6.             | 0   |                                 |
| 7/1/2015  | -13         | 0          | 0              | 0   |                                 |

Total

156

KCC WICHITA APR 07 2016 RECEIVED

W367

WELL ID

Raymond 3-4 LEASE NAME

West St. Francis

FIELD

St. Francis

AREA

Pumping Unit/Gas EQUIPMENT

July-15

DATE

|           | Line  | Casing |        |     | HRS  | REMARKS                         |
|-----------|-------|--------|--------|-----|------|---------------------------------|
| DATE      | PSI _ | PSI    | STATIC | MCF | DOWN | (Maximum length 110 characters) |
| 7/1/2015  | 14    | 0      | 27     |     | 5 0  |                                 |
| 7/2/2015  | 15    | 0      | 28     |     | 5 0  |                                 |
| 7/3/2015  | 15    | 0      | 28     |     | 5 0  |                                 |
| 7/4/2015  | 15    | 0      | 28     |     | 6 0  | l                               |
| 7/5/2015  | 15    | 0      | 28     |     | 5 0  |                                 |
| 7/6/2015  | 15    | 0      | 28     |     | 5 0  | )                               |
| 7/7/2015  | 14    | 0      | 27     |     | 6 0  | )                               |
| 7/8/2015  | 14    | 0      | 27     |     | 6 0  | )                               |
| 7/9/2015  | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/10/2015 | 14    |        |        |     | 6 0  |                                 |
| 7/11/2015 | 14    | 0      | 27     |     | 6 0  |                                 |
| 7/12/2015 | 14    | 0      | 27     |     | 6 0  |                                 |
| 7/13/2015 | 14    | 0      | 27     |     | 6 0  | )                               |
| 7/14/2015 | 14    | 0      | 27     |     | 6 0  |                                 |
| 7/15/2015 | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/16/2015 | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/17/2015 | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/18/2015 | 17    | ' 0    | 30     |     | 6 0  | •                               |
| 7/19/2015 | 14    | 0      | 27     |     | 6 0  |                                 |
| 7/20/2015 | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/21/2015 | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/22/2015 | 14    | 0      | 27     |     | 6 C  | )                               |
| 7/23/2015 | 18    | 3 0    | 31     |     | 6 0  | )                               |
| 7/24/2015 | 14    | 0      | 27     |     | 6 0  | )                               |
| 7/25/2015 | 14    | 0      | 27     |     | 6 (  | )                               |
| 7/26/2015 | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/27/2015 | 14    | 0      | 27     |     | 6 0  | 1                               |
| 7/28/2015 | 14    | 0      | 27     |     | 6 0  | )                               |
| 7/29/2015 | 14    | 0      | 27     |     | 6 0  | )                               |
| 7/30/2015 | 14    | 0      | 27     |     | 6 0  | )                               |
| 7/31/2015 | 14    |        |        |     | 6 (  |                                 |

Total 186

> KCC WICHITA APR 07 2016 RECEIVED

W367

WELL ID

Raymond 6-4

LEASE NAME

West St. Francis

FIELD

St. Francis

AREA

Pumping Unit/Gas EQUIPMENT

August-15

DATE

|           | Line Casi | ing |          | Н          | RS  | REMARKS                         |
|-----------|-----------|-----|----------|------------|-----|---------------------------------|
| DATE      | PSI PSI   | ST  | ATIC MCF | D          | OWN | (Maximum length 110 characters) |
| 8/1/2015  | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/2/2015  | 14        | 0,  | 27       | 6          | 0   |                                 |
| 8/3/2015  | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/4/2015  | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/5/2015  | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/6/2015  | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/7/2015  | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/8/2015  | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/9/2015  | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/10/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/11/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/12/2015 | 15        | 0   | 28       | 6.         | 0   |                                 |
| 8/13/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/14/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/15/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/16/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/17/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/18/2015 | 23        | 0   | 36       | 6          | 0   |                                 |
| 8/19/2015 | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/20/2015 | 36        | 0   | 49       | <b>5</b> . | 0   |                                 |
| 8/21/2015 | 39        | 0   | 52       | 6          | 0   |                                 |
| 8/22/2015 | 16        | 0   | 29       | 6          | 0   |                                 |
| 8/23/2015 | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/24/2015 | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/25/2015 | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/26/2015 | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/27/2015 | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/28/2015 | 14        | 0   | 27       | 6          | 0   |                                 |
| 8/29/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/30/2015 | 15        | 0   | 28       | 6          | 0   |                                 |
| 8/31/2015 | 15        | 0   | 28       | 6          | 0   |                                 |

185 Total

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