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

| Type Tes   | t:                         |   |   | (   | (See Instruc   | tions on Re                         | verse Side   | e)                 |  |            |                              |                    |   |  |
|--|----------------------------|---|---|---|--|-------------------------------------|--|--------------------|--|------------|------------------------------|--------------------|---|--|
| <b>√</b> Op  | en Flow                    |   |   | Test Date                                   | a•   |                                     |  | ΔP                 | l No. 15   |            |                              |                    |   |  |
| De   | eliverabilt                | у   |   |   | 14, 2014   |                                     |  |                    | 5-20071 <b>- 0</b>                                     | 000        | •                            |                    |   |  |
| Company<br>Red Hills   |                            | rces. Inc.  |   |   |  | Lease<br>Berns                      |  |                    |  |            | G003                         | Well Nu            | ımber   |  |
| County<br>Clark  |                            | Locat<br>C SW   |   | Section<br>5                                |  | TWP<br>34S                          |  | RNG (E<br>25W      | /W) ·  |            |                              | Acres /            | Attributed  |  |
| Field<br>McKinne   | <br>∋y                     |   | ,   | Reservoi<br>Chester                         | r<br>-Morrow   |                                     |  |                    | thering Conn<br>lidstream                              | ection     | 1                            |                    |   |  |
| Completion 3-3-1975  |                            |   |   | Plug Bac<br>5900                            | k Total Dep  | th                                  |  | Packer :<br>Yes (L |  |            | •                            | ,                  |   |  |
| Casing Size Weight 10.5#   |                            |   | Internal (<br>4.05"   | Diameter                                    | Set at   |                                     | Perforations<br>5597                                   |                    |  | To<br>5639 |                              |                    |   |  |
| Tubing Size Weight 2.3/8" 4.7#   |                            |   | Internal I<br>1.995"  | Diameter                                    |  | Set at<br>5540                      |  | orations           |  | То         |                              |                    |   |  |
| Type Con   | npletion ac                | (Describe)  | led (Gas)   | Type Flui<br>Salt W                         | d Production   | n                                   |  | Pump U<br>Plung    | nit or Traveling<br>er Lift                            | g Plun     | ger? Yes                     | / No               |   |  |
| roducing   | g Thru (A                  | Annulus / Tu <b>s</b> ic  | <b>)</b>  | % C   | Carbon Dioxi   | ide                                 |  | % Nitrog           | gen  |            | Gas G                        | avity -            | 3 <sub>g</sub>                                    |  |
| /ertical D   |                            |   |   |   | Pres   | sure Taps                           |  |                    |  |            | (Meter                       | Run) (P            | rover) Size                                       |  |
| Pressure   | Buildup:                   | Shut in   | 14 2  | 14 at 9                                     | :00 am   | (AM) (PM)                           | Taken_8-   | 15                 | 20   | 14         | 9:00 a                       | m                  | (AM) (PM)   |  |
| Well on L  | .ine:                      | Started   | 2   | 0 at  |  | (AM) (PM)                           | Taken  |                    | 20   | _          | at                           | <u>-</u>           | (AM) (PM)   |  |
|  |                            |   | ,   |   | OBSERVE  | D SURFACI                           | E DATA   |                    | · · · · · ·  | Dura       | tion of Shut                 | -in                | Hours   |  |
| Static /<br>Dynamic<br>Property  | Orifice<br>Size<br>(inches | Meter<br>Prover Press   | Differential in   | Flowing<br>Temperature<br>t                 | Well Head<br>Temperature<br>t                            | Wellhead<br>(P <sub>w</sub> ) or (P | Casing Wellhead Pressure $P_w$ ) or $(P_t)$ or $(P_c)$ |                    | Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ |            | Duration<br>(Hours)          |                    | Liquid Produced<br>(Barrels)                      |  |
| Shut-In  |                            | psig (Fili)   | inches H <sub>2</sub> 0   |   |  | 160                                 | psia   | psig<br>150        | psia   |            |                              |                    |   |  |
| Flow   |                            |   |   |   |  |                                     |  |                    |  |            |                              |                    |   |  |
|  |                            |   | T   |   | FLOW STR   | REAM ATTR                           | IBUTES   |                    |  |            |                              |                    | <del></del>                                       |  |
| Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd                      |                            | Circle one:<br>Meter or<br>Prover Pressure<br>psia              | Press<br>Extension<br>✓ P <sub>m</sub> x h  | Grav<br>Fac                                 | tor  | Flowing<br>Temperature<br>Factor    | Deviation<br>Factor<br>F <sub>pv</sub>                 |                    | Metered Flow<br>R<br>(Mcfd)                            |            | GOR<br>(Cubic Fee<br>Barrel) |                    | Flowing<br>Fluid<br>Gravity<br>G <sub>m</sub>     |  |
|  |                            |   |   | ,   |  |                                     |  |                    |  |            |                              |                    |   |  |
| P <sub>c</sub> ) <sup>2</sup> =  |                            | : (P <sub>w</sub> ) <sup>2</sup> =                              | =:  | •   | • •  | <b>ERABILITY</b><br>% (F            | ) CALCUL<br><sup>2</sup> c - 14.4) +                   |                    | ·  |            |                              | <sup>2</sup> = 0.2 |   |  |
| (P <sub>c</sub> ) <sup>2</sup> - (F<br>or<br>(P <sub>c</sub> ) <sup>2</sup> - (F |                            | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> | Choose formula 1 or 2.<br>1. $P_c^2 - P_a^2$<br>2. $P_c^2 - P_d^2$<br>divided by: $P_c^2 - P_a^2$ | LOG of<br>formula<br>1. or 2.<br>and divide | P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> | Slor<br>Ass                         | ssure Curve<br>be = "n"<br>orsigned<br>ard Slope       | n x                | LOG  |            | Antilog                      | Del<br>Equals      | pen Flow<br>iverability<br>FR x Antilog<br>(Mcfd) |  |
|  |                            |   |   |   |  |                                     |  |                    |  |            |                              |                    |   |  |
| Open Flor  | w                          |   | Mcfd @ 14.  | 65 psia                                     |  | Deliverab                           | ilitv  | 1                  |  | Mcfd       | @ 14.65 ps                   | ia                 |   |  |
|  | •                          | ned authority, o  | on behalf of the  | <del></del>                                 | states that h  |                                     |  | n make th          |  |            |                              |                    | ledge of  |  |
|  | _                          | •   | aid report is true  |   |  | •                                   |  |                    | lovember   |            |                              |                    | 20 14 .   |  |
|  |                            |   |   |   |  |                                     |  | 1                  | 1-   | 42         | 1                            |                    |   |  |
|  |                            | Witness (   | (if any)  |   |  |                                     | -40  | alle               | u X  | Company    | am                           | ul Ke              | CEIVED  |  |

|             | B 0000  |
|-------------|---|
| !! !        | request a one-year exemption from open flow testing for the Berns G003                          |
| 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 |
|             | essary to corroborate this claim for exemption from testing.                                    |
|             |   |
| oate: Nove  | mber 3, 2014  |
|             | · · · · · · · · · · · · · · · · · · ·   |
|             |   |
|             | •   |
|             | Simply 1 Jalla & Mike age   |
|             | Signature: Wallow W. M. Gurrey  Title: Director   |

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.

Received

KANSAS CORPORATION COMMISSION