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

| Type Tes   | t:                    |       | <b>-</b>  |   |                               | (See Instru  | ctions on Rev                                       | erse Side                                    | e)                    |   |  |   |
|--|-----------------------|-------|---|---|-------------------------------|--|---|--|-----------------------|---|--|---|
|  | en Flo<br>eliverat    |       |   |   | Test Date                     | e:   |   |  |                       | No. 15<br>3-20998-00-0  | 10   |   |
| Company<br>Noble E   |                       | , Inc |   |   |                               |  | Lease<br>Rueb Fa                                    | arm  |                       | 20000 00 0  |  | Well Number   |
| County Location Cheyenne SE-NW-SE-SE   |                       |       |   | Section<br>16   |                               | TWP<br>3S  |   |  | /W)                   |   | Acres Attributed   |   |
| Field  |                       | Niol  | orara Gas A   |   | Reservoi<br>Niobrar           |  |   |  |                       | hering Conne<br>Creek via Arm                                   |  |   |
| Completi<br>4/9/2008   |                       | e     |   |   | Plug Back Total Dept<br>1670' |  |   |  | Packer S<br>N/A       | Set at  |  | 1   |
| Casing S 7", 4-1/2   |                       |       | Weigh<br><b>17#</b> , 1   | Internal Diameter<br>9-7/8", 6-1/4"   |                               |  | Set at<br>321', 1712'                               |  | rations<br>6'         | то<br>1558'   |  |   |
| Tubing S<br>N/A  | ize                   |       | Weigh   | Internal (  | Diameter                      | Set a  | t   | Perforations                                 |                       | То  |  |   |
| Type Completion (Describe) Single (Gas)  |                       |       |   | Type Fluid Production Saltwater   |                               |  |   | Pump Unit or Traveling Plunger? Yes / No No  |                       |   | / No   |   |
| Producing<br>Annulus   | -                     | (Anı  | nulus / Tubing  | j)  | % C                           | Carbon Dio   | xide  |  | % Nitrog              | en  | Gas Gra  | avity - G <sub>g</sub>                                      |
| Vertical E   | Pepth(F               | 1)    |   |   |                               | Pre  | ssure Taps  |  |                       |   | (Meter F   | Run) (Prover) Size  |
| Pressure   | Buildu                |       | Shut in2/24   | 2   | 0 09 at 8                     |  | _ <b>(AM)</b> (PM)                                  | Taken  |                       | 20  | at   | (AM) (PM)   |
| Well on L  | .ine:                 |       | Started 2/25  | 5/2   | 0 <u>09</u> at <u>8</u>       | :15  | _ (PM)  | Taken  |                       | 20  | at   | (AM) (PM)   |
|  |                       |       |   |   |                               | OBSERV   | ED SURFACE  | DATA   | · ·                   |   | Duration of Shut-i   | n 24 Hours  |
| Static /<br>Dynamic<br>Property  | Orifi<br>Siz<br>(inch | е     | Circle one:<br>Meter<br>Prover Pressu<br>psig (Pm)              | Pressure Differential in Inches H <sub>2</sub> 0  | Flowing<br>Temperature<br>t   | Well Head<br>Temperature<br>t                            | e Wellhead F  | Pressure<br>) or (P <sub>c</sub> )           | Wellhe                | fubing<br>ad Pressure<br>(P <sub>t</sub> ) or (P <sub>c</sub> ) | Duration<br>(Hours)  | Liquid Produced<br>(Barrels)                                |
| Shut-In  |                       |       | F-13 (111)  |   |                               |  | 160   | psia   | psig                  | psia  |  |   |
| Flow   |                       |       |   |   |                               |  |   |  |                       |   |  |   |
|  |                       |       |   |   | <u> </u>                      | FLOW ST  | REAM ATTRI  | BUTES  |                       |   | <u> </u>   |   |
| Plate<br>Coeffiec<br>(F <sub>b</sub> ) (F<br>Mcfd  | ient                  |       | Circle one:<br>Meter or<br>over Pressure<br>psia                | Press Extension  P <sub>m</sub> x h   | Grav<br>Fac<br>F <sub>s</sub> | tor  | Flowing<br>Temperature<br>Factor<br>F <sub>f1</sub> | Fa   | iation<br>ictor<br>pv | Metered Flow<br>R<br>(Mcfd)                                     | GOR<br>(Cubic Fee<br>Barrel)                                     | Flowing Fluid Gravity G                                     |
|  |                       |       |   |   | (OREN EL                      | OW) (DEL II  | VERABILITY)   | CALCUI                                       | ATIONE                |   |  |   |
| (P <sub>c</sub> ) <sup>2</sup> =   |                       | _:    | (P <sub>w</sub> ) <sup>2</sup> =                                | :   | P <sub>d</sub> =              | , ,  | •   | - 14.4) +                                    |                       | :   | (P <sub>a</sub> ) <sup>2</sup><br>(P <sub>d</sub> ) <sup>2</sup> | = 0.207<br>=  |
| (P <sub>c</sub> ) <sup>2</sup> - (For the control of the |                       | (P    | (P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> | Choose formula 1 or 2.  1. $P_c^2 - P_g^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$ | LOG of<br>formula<br>1. or 2. | P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> | Backpres<br>Slope<br><br>Ass                        | sure Curve<br>e = "n"<br>origned<br>rd Slope | n x l                 | .og [   | Antilog  | Open Flow<br>Deliverability<br>Equals R x Antilog<br>(Mcfd) |
|  |                       |       |   |   |                               |  |   | · · · · · · · · · · · · · · · · · · ·        |                       |   |  |   |
| Open Flor  | l                     |       |   | Mcfd @ 14.  | 65 psia                       | <del></del>  | Deliverabi  | lity   |                       | <u> </u>  | //cfd @ 14.65 psi  | a   |
| The u  | undersi               | gned  | d authority, on   | behalf of the   | Company, s                    | states that  | he is duly aut                                      |  |                       |   | t and that he ha   | _   |
| the facts s  | tated ti              | nerei | n, and that sa  | id report is true   | and correc                    |  |   | 1/1,   | day of D              | écember.  | 10 Od  | , 20 <u>09</u>  |
|  |                       |       | Witness (if   | апу)  | KANSAS                        | RECEI<br>CORPORATI                                       | VED<br>ION COMMIS <del>SI</del>                     |  | ml                    | For Co  | ompany   |   |
|  |                       |       | For Commi   | ssion   |                               | DEC 0 4  | 4 2009 <sup>—</sup>                                 | <u></u>                                      |                       | Check   | ked by   |   |

|          | clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.     |  |  |  |  |  |  |  |
|----------|---|--|--|--|--|--|--|--|
|          | the foregoing pressure information and statements contained on this application form are true and   |  |  |  |  |  |  |  |
| correct  | o the best of my knowledge and belief based upon available production summaries and lease records   |  |  |  |  |  |  |  |
|          | ment installation and/or upon type of completion or upon use being made of the gas well herein named.  Teby request a one-year exemption from open flow testing for the Rueb Farm 44-16 |  |  |  |  |  |  |  |
|          | 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  |  |  |  |  |  |  |  |
| l fu     | ther 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 | 2/1/2009  |  |  |  |  |  |  |  |
|          |   |  |  |  |  |  |  |  |
|          |   |  |  |  |  |  |  |  |
|          | Simon Charles Rose March  |  |  |  |  |  |  |  |
|          | Signature: The Joseph   |  |  |  |  |  |  |  |

## 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.