

|                                      |                         |                                     |
|--------------------------------------|-------------------------|-------------------------------------|
| Customer<br><i>NL VY Oil-Prod</i>    | Lease No.               | Date<br><i>02-02-13</i>             |
| Lease<br><i>ZWICK</i>                | Well #<br><i>1</i>      |                                     |
| Field Order #<br><i>1722</i>         | Station<br><i>P.H.H</i> | Casing<br><i>5 1/2</i>              |
|                                      |                         | Depth<br><i>3651</i>                |
| Type Job<br><i>CNW 5 1/2 in. 90'</i> | Formation               | Legal Description<br><i>17-22-E</i> |
|                                      |                         | County<br><i>RENO</i>               |
|                                      |                         | State<br><i>KS</i>                  |

| PIPE DATA       |              | PERFORATING DATA |    | FLUID USED |            | TREATMENT RESUME |                  |  |
|-----------------|--------------|------------------|----|------------|------------|------------------|------------------|--|
| Casing Size     | Tubing Size  | Shots/Ft         |    | Acid       | RATE       | PRESS            | ISIP             |  |
| <i>5 1/2</i>    |              |                  |    |            |            |                  |                  |  |
| Depth           | Depth        | From             | To | Pre Pad    | Max        |                  | 5 Min.           |  |
| <i>3651</i>     |              |                  |    |            |            |                  |                  |  |
| Volume          | Volume       | From             | To | Pad        | Min        |                  | 10 Min.          |  |
| <i>80.5</i>     |              |                  |    |            |            |                  |                  |  |
| Max Press       | Max Press    | From             | To | Frac       | Avg        |                  | 15 Min.          |  |
| <i>3000</i>     |              |                  |    |            |            |                  |                  |  |
| Well Connection | Annulus Vol. | From             | To |            | HHP Used   |                  | Annulus Pressure |  |
| <i>P.C.</i>     |              |                  |    |            |            |                  |                  |  |
| Plug Depth      | Packer Depth | From             | To | Flush      | Gas Volume |                  | Total Load       |  |
| <i>3031</i>     |              |                  |    |            |            |                  |                  |  |

|                         |                                      |                                   |
|-------------------------|--------------------------------------|-----------------------------------|
| Customer Representative | Station Manager<br><i>DAVE SCOTT</i> | Treater<br><i>Robert Sullivan</i> |
|-------------------------|--------------------------------------|-----------------------------------|

|               |                 |               |              |              |  |  |  |  |  |  |
|---------------|-----------------|---------------|--------------|--------------|--|--|--|--|--|--|
| Service Units | <i>37900</i>    | <i>27463</i>  | <i>17831</i> | <i>19860</i> |  |  |  |  |  |  |
| Driver Names  | <i>Sullivan</i> | <i>Morgan</i> | <i>P.</i>    | <i>S.</i>    |  |  |  |  |  |  |

| Time           | Casing Pressure | Tubing Pressure | Bbbs. Pumped | Rate       | Service Log                                |
|----------------|-----------------|-----------------|--------------|------------|--|
| <i>2:45 AM</i> |                 |                 |              |            | <i>on loc soft, meeting</i>                |
|                |                 |                 |              |            | <i>Pressure 5 1/2 # 15.5 csg</i>           |
| <i>6:11</i>    |                 |                 |              |            | <i>Casing and Bottoms</i>                  |
| <i>6:20</i>    |                 |                 |              |            | <i>Hook up to csg.</i>                     |
| <i>7:50</i>    | <i>200</i>      |                 | <i>5</i>     | <i>3</i>   | <i>11 21 down</i>                          |
|                |                 |                 | <i>12</i>    |            | <i>mix mud Hook</i>                        |
|                |                 |                 |              | <i>4.5</i> | <i>max Hook 6 1/4 up 2 csg</i>             |
|                |                 |                 | <i>37</i>    |            | <i>one mix shot found with pump handle</i> |
|                |                 |                 |              | <i>6</i>   | <i>Release Plug</i>                        |
|                | <i>300</i>      |                 | <i>64</i>    |            | <i>1st PSI</i>                             |
|                |                 |                 |              | <i>3.5</i> | <i>Slow RATE</i>                           |
| <i>8:30</i>    | <i>1500</i>     |                 | <i>86.5</i>  |            | <i>Plug down</i>                           |
|                |                 |                 | <i>7</i>     |            | <i>plug RH w/ 20 sk</i>                    |
|                |                 |                 |              |            | <i>JOB complete</i>                        |
|                |                 |                 |              |            | <i>THANK you</i>                           |