

|                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                       |                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Submit To Appropriate District Office<br>State Lease - 6 copies<br>Fee Lease - 5 copies<br><u>District I</u><br>1625 N. French Dr., Hobbs, NM 88240<br><u>District II</u><br>1301 W. Grand Avenue, Artesia, NM 88210<br><u>District III</u><br>1000 Rio Brazos Rd., Aztec, NM 87410<br><u>District IV</u><br>1220 S. St. Francis Dr., Santa Fe, NM 87505 | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> | <b>Form C-105</b><br>Revised June 10, 2003<br><br>WELL API NO.<br><b>30-015-35218</b><br>5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/><br>State Oil & Gas Lease No. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Month - Year  
**MAR - 9 2007**  
**OCD - ARTESIA, NM**

| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------|-----------------------------|---------------------------|-----------------------------|-----------------|-----|--------|------------|--|-------|----|------|--------|------------|--|-------|----|-------|-------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1a. Type of Well:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____<br><br>b. Type of Completion:<br>NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF.<br>WELL OVER        BACK        RESVR. <input type="checkbox"/> OTHER _____<br>2. Name of Operator<br><b>THOMPSON, J. CLEO</b><br>3. Address of Operator<br><b>P.O. BOX 12577 ODESSA TX 79768-2577</b><br>4. Well Location<br>Unit Letter <b>A</b> : <b>660</b> Feet From The <b>NORTH</b> Line and <b>660</b> Feet From The <b>EAST</b> Line<br>Section <b>10</b> Township <b>22S</b> Range <b>26E</b> NMPM <b>EDDY</b> County | 7. Lease Name or Unit Agreement Name<br><b>MESA ARRIBA</b><br><br>8. Well No.<br><b>2</b><br>9. Pool name or Wildcat<br><b>HAPPY VALLEY (MORROW)</b>                                                                                                                                                                                                                                                                                                                                                    |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10. Date Spudded<br><b>11/21/2006</b><br>11. Date T.D. Reached<br><b>01/31/2007</b><br>12. Date Compl. (Ready to Prod.)<br><b>02/21/2007</b><br>13. Elevations (DF& RKB, RT, GR, etc.)<br><b>3172</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14. Elev. Casinghead<br><br>15. Total Depth<br><b>11,608</b><br>16. Plug Back T.D.<br><b>11556</b><br>17. If Multiple Compl. How Many Zones?<br><br>18. Intervals Drilled By<br><br>Rotary Tools<br><b>X</b><br>Cable Tools<br><br>19. Producing Interval(s), of this completion - Top, Bottom, Name<br><b>9984-10032</b><br>20. Was Directional Survey Made<br><b>YES</b><br>21. Type Electric and Other Logs Run<br><b>LDT, HI-RES LATERLOG ARRAY MICRO-CFL/GR</b><br>22. Was Well Cored<br><b>NO</b> |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23. <b>CASING RECORD (Report all strings set in well)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CASING SIZE</th> <th>WEIGHT LB./FT.</th> <th>DEPTH SET</th> <th>HOLE SIZE</th> <th>CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> <tr> <td>13 3/8</td> <td>48</td> <td>510</td> <td>17 1/2</td> <td>450 SX "C"</td> <td></td> </tr> <tr> <td>9 5/8</td> <td>36</td> <td>2500</td> <td>12 1/2</td> <td>980 SX "C"</td> <td></td> </tr> <tr> <td>5 1/2</td> <td>17</td> <td>11608</td> <td>8 3/4</td> <td>1100 SX "C"</td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CASING SIZE                                   | WEIGHT LB./FT.                                                                        | DEPTH SET                                     | HOLE SIZE                   | CEMENTING RECORD            | AMOUNT PULLED             | 13 3/8                      | 48              | 510 | 17 1/2 | 450 SX "C" |  | 9 5/8 | 36 | 2500 | 12 1/2 | 980 SX "C" |  | 5 1/2 | 17 | 11608 | 8 3/4 | 1100 SX "C" |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WEIGHT LB./FT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DEPTH SET                                     | HOLE SIZE                                                                             | CEMENTING RECORD                              | AMOUNT PULLED               |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 3/8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 510                                           | 17 1/2                                                                                | 450 SX "C"                                    |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 5/8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2500                                          | 12 1/2                                                                                | 980 SX "C"                                    |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 11608                                         | 8 3/4                                                                                 | 1100 SX "C"                                   |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24. <b>LINER RECORD</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SIZE</th> <th>TOP</th> <th>BOTTOM</th> <th>SACKS CEMENT</th> <th>SCREEN</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SIZE                                          | TOP                                                                                   | BOTTOM                                        | SACKS CEMENT                | SCREEN                      |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BOTTOM                                        | SACKS CEMENT                                                                          | SCREEN                                        |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25. <b>TUBING RECORD</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SIZE</th> <th>DEPTH SET</th> <th>PACKER SET</th> </tr> <tr> <td>2 3/8 L-80</td> <td>9918</td> <td>9921</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SIZE                                          | DEPTH SET                                                                             | PACKER SET                                    | 2 3/8 L-80                  | 9918                        | 9921                      |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DEPTH SET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PACKER SET                                    |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 3/8 L-80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9918                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9921                                          |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26. Perforation record (interval, size, and number)<br><b>9984 - 10,032' (8 HOLES)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br><table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>9984 -10032</td> <td>4000 GALS 15% NeFe HCl ACID</td> </tr> <tr> <td> </td> <td>W/80 GALS ACID RETARDENT</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DEPTH INTERVAL                                | AMOUNT AND KIND MATERIAL USED                                                         | 9984 -10032                                   | 4000 GALS 15% NeFe HCl ACID |                             | W/80 GALS ACID RETARDENT  |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DEPTH INTERVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AMOUNT AND KIND MATERIAL USED                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9984 -10032                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4000 GALS 15% NeFe HCl ACID                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | W/80 GALS ACID RETARDENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>28 PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Date First Production<br/><b>02/17/2007</b></td> <td>Production Method (Flowing, gas lift, pumping - Size and type pump)<br/><b>FLOWING</b></td> <td>Well Status (Prod. or Shut-in)<br/><b>PROD</b></td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Date First Production<br><b>02/17/2007</b>    | Production Method (Flowing, gas lift, pumping - Size and type pump)<br><b>FLOWING</b> | Well Status (Prod. or Shut-in)<br><b>PROD</b> |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date First Production<br><b>02/17/2007</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Production Method (Flowing, gas lift, pumping - Size and type pump)<br><b>FLOWING</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | Well Status (Prod. or Shut-in)<br><b>PROD</b> |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Date of Test<br/><b>02/02/2007</b></td> <td>Hours Tested<br/><b>24</b></td> <td>Choke Size<br/><b>24/64</b></td> <td>Prod'n For Test Period</td> <td>Oil - Bbl<br/><b>0</b></td> <td>Gas - MCF<br/><b>707</b></td> <td>Water - Bbl.<br/><b>13</b></td> <td>Gas - Oil Ratio</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Date of Test<br><b>02/02/2007</b>             | Hours Tested<br><b>24</b>                                                             | Choke Size<br><b>24/64</b>                    | Prod'n For Test Period      | Oil - Bbl<br><b>0</b>       | Gas - MCF<br><b>707</b>   | Water - Bbl.<br><b>13</b>   | Gas - Oil Ratio |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date of Test<br><b>02/02/2007</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Hours Tested<br><b>24</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Choke Size<br><b>24/64</b>                    | Prod'n For Test Period                                                                | Oil - Bbl<br><b>0</b>                         | Gas - MCF<br><b>707</b>     | Water - Bbl.<br><b>13</b>   | Gas - Oil Ratio           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Flow Tubing Press.<br/><b>450</b></td> <td>Casing Pressure<br/><b>0</b></td> <td>Calculated 24-Hour Rate</td> <td>Oil - Bbl.<br/><b>2</b></td> <td>Gas - MCF<br/><b>1215</b></td> <td>Water - Bbl.<br/><b>13</b></td> <td>Oil Gravity - API - (Corr.)</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Flow Tubing Press.<br><b>450</b>              | Casing Pressure<br><b>0</b>                                                           | Calculated 24-Hour Rate                       | Oil - Bbl.<br><b>2</b>      | Gas - MCF<br><b>1215</b>    | Water - Bbl.<br><b>13</b> | Oil Gravity - API - (Corr.) |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Flow Tubing Press.<br><b>450</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Casing Pressure<br><b>0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Calculated 24-Hour Rate                       | Oil - Bbl.<br><b>2</b>                                                                | Gas - MCF<br><b>1215</b>                      | Water - Bbl.<br><b>13</b>   | Oil Gravity - API - (Corr.) |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br><b>SOLD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30. List Attachments<br><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief<br><br><div style="display: flex; justify-content: space-between;"> <div>           Signature <i>Jim Stevens</i><br/>           E-mail Address <b>jstevens@jcleo.com</b> </div> <div>           Printed Name <b>JIM STEVENS</b><br/>           Title <b>OPS MANAGER</b> </div> <div>           Date <b>03/01/2007</b> </div> </div>                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                                                       |                                               |                             |                             |                           |                             |                 |     |        |            |  |       |    |      |        |            |  |       |    |       |       |             |  |  |  |  |  |  |  |  |  |  |  |  |  |

except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico |                       | Northwestern New Mexico |                  |
|-------------------------|-----------------------|-------------------------|------------------|
| T. Anhy                 | T. Canyon             | T. Ojo Alamo            | T. Penn "B"      |
| T. Salt                 | T. Strawn 9815        | T. Kirtland-Fruitland   | T. Penn. "C"     |
| B. Salt                 | T. Atoka 10480        | T. Pictured Cliffs      | T. Penn. "D"     |
| T. Yates                | T. Miss               | T. Cliff House          | T. Leadville     |
| T. 7 Rivers             | T. Devonian           | T. Menefee              | T. Madison       |
| T. Queen                | T. Silurian           | T. Point Lookout        | T. Elbert        |
| T. Grayburg             | T. Montoya            | T. Mancos               | T. McCracken     |
| T. San Andres           | T. Simpson            | T. Gallup               | T. Ignacio Otzte |
| T. Glorieta             | T. McKee              | Base Greenhorn          | T. Granite       |
| T. Paddock              | T. Ellenburger        | T. Dakota               | T.               |
| T. Blinebry             | T. Gr. Wash           | T. Morrison             | T.               |
| T. Tubb                 | T. Delaware Sand 2480 | T. Todilto              | T.               |
| T. Drinkard             | T. Bone Springs 4740  | T. Entrada              | T.               |
| T. Abo                  | T. 3rd Bone Spgs 7822 | T. Wingate              | T.               |
| T. Wolfcamp 8465        | T. Morrow 10980       | T. Chinle               | T.               |
| T. Penn                 | T.                    | T. Permian              | T.               |
| T. Cisco (Bough C)      | T.                    | T. Penn "A"             | T.               |

## OIL OR GAS SANDS OR ZONES

No. 1, from 2480 to 4740  
No. 2, from 10980 to 11608  
No. 3, from to  
No. 4, from to

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |



February 11, 2007

Mr. Jim Stevens  
J. Cleo Thompson  
117 W. Yukon Road  
Odessa, Texas 79768

Dear Mr. Stevens,

Alliance Drilling Fluids would like to acknowledge that the water used while drilling through the Capitan Reef on the Mesa Arriba #2 well in Eddy Co. New Mexico was fresh water. We have documentation that states our field service engineers tested the fluid on 11/22/2006 through 12/26/2006. The water in question had a range of 200-800 mg/l chlorides. These tests were taken from 226' all the way to 7130'. If needed, we will make available the documents we have in order to corroborate this.

Sincerely,

Shawn Savage  
Vice President  
Alliance Drilling Fluids LLC.



# DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

January 29, 2007

FEB 01 2007

J. Cleo Thompson  
117 Yukon Road  
Odessa, TX 79760

Re: Mesa Arriba #2  
Sec. 10, T-22-S, R-26-E  
Eddy County, New Mexico

Attn: Doug Dietrick

The following is a Deviation Survey on the referenced well in Eddy County, New Mexico:

|                |                |                |                 |                 |
|----------------|----------------|----------------|-----------------|-----------------|
| 230' - 1.0 °   | 5520' - .75 °  | 7928' - 1.3 °  | 9242' - 3.8 °   | 10,615' - 1.1 ° |
| 473' - 1.75 °  | 5789' - .75 °  | 7960' - 1.1 °  | 9373' - 2.7 °   | 10,646' - 0.8 ° |
| 669' - 1.75 °  | 6009' - .75 °  | 8022' - 1.2 °  | 9369' - 3.2 °   | 10,678' - 0.9 ° |
| 822' - 2.0 °   | 6259' - .75 °  | 8054' - 1.0 °  | 9400' - 2.1 °   | 10,709' - 1.1 ° |
| 862' - 1.5 °   | 6540' - 1.25 ° | 8085' - 1.1 °  | 9431' - 1.9 °   | 10,740' - 1.1 ° |
| 925' - 1.2 °   | 6635' - 1.0 °  | 8116' - 1.6 °  | 9463' - 2.6 °   | 10,758' - 0.7 ° |
| 987' - 1.5 °   | 6728' - 1.0 °  | 8148' - 0.6 °  | 9494' - 2.8 °   | 10,789' - 1.0 ° |
| 1025' - 1.4 °  | 6884' - 2.0 °  | 8179' - 1.6 °  | 9521' - 2.5 °   | 10,820' - 1.3 ° |
| 1113' - 1.6 °  | 6947' - 1.5 °  | 8210' - 1.5 °  | 9554' - 2.8 °   | 10,852' - 2.1 ° |
| 1319' - 1.1 °  | 7009' - 2.25 ° | 8241' - 1.6 °  | 9587' - 2.7 °   | 10,884' - 1.8 ° |
| 1341' - 1.1 °  | 7040' - 2.75 ° | 8304' - 0.9 °  | 9650' - 2.4 °   | 10,916' - 1.9 ° |
| 1385' - .75 °  | 7068' - 2.4 °  | 8272' - 0.5 °  | 9682' - 2.4 °   | 10,947' - 2.1 ° |
| 1447' - 1.25 ° | 7100' - 1.9 °  | 8335' - 1.5 °  | 9776' - 2.8 °   | 10,978' - 1.3 ° |
| 1510' - 0.5 °  | 7131' - 2.8 °  | 8366' - 1.7 °  | 9807' - 3.7 °   | 11,009' - 1.0 ° |
| 1572' - 1.25 ° | 7162' - 2.5 °  | 8398' - 1.4 °  | 9838' - 3.5 °   | 11,040' - 1.0 ° |
| 1635' - 1.25 ° | 7194' - 2.2 °  | 8460' - 1.1 °  | 9869' - 3.9 °   | 11,072' - 1.5 ° |
| 1698' - 1.75 ° | 7225' - 1.5 °  | 8492' - 1.8 °  | 9903' - 3.3 °   | 11,113' - 2.0 ° |
| 1760' - 2.0 °  | 7246' - 2.0 °  | 8523' - 1.3 °  | 9927' - 3.3 °   | 11,134' - 1.0 ° |
| 1823' - 0.5 °  | 7304' - 0.6 °  | 8648' - 2.3 °  | 9958' - 2.7 °   | 11,166' - 1.6 ° |
| 1914' - 1.25 ° | 7336' - 1.1 °  | 8661' - 1.0 °  | 9989' - 2.3 °   | 11,197' - 1.5 ° |
| 1947' - 1.0 °  | 7367' - 0.6 °  | 8711' - 0.9 °  | 10,020' - 2.4 ° | 11,228' - 2.1 ° |
| 2021' - .75 °  | 7399' - 0.1 °  | 8742' - 2.0 °  | 10,051' - 2.1 ° | 11,260' - 2.1 ° |
| 2169' - .75 °  | 7430' - 1.2 °  | 8773' - 2.2 °  | 10,083' - 1.5 ° | 11,292' - 1.8 ° |
| 2362' - 1.0 °  | 7461' - 0.9 °  | 8804' - 2.4 °  | 10,114' - 1.1 ° | 11,323' - 2.6 ° |
| 2425' - 1.25 ° | 7493' - 0.1 °  | 8836' - 1.7 °  | 10,177' - 0.9 ° | 11,354' - 1.9 ° |
| 2627' - 0.5 °  | 7524' - 1.2 °  | 8867' - 1.9 °  | 10,208' - 0.9 ° | 11,386' - 2.5 ° |
| 2846' - 1.0 °  | 7555' - 1.3 °  | 8898' - 1.1 °  | 10,270' - 0.9 ° | 11,417' - 2.3 ° |
| 3098' - .75 °  | 7586' - 1.0 °  | 8930' - 1.4 °  | 10,302' - 1.0 ° | 11,449' - 1.8 ° |
| 3347' - .25 °  | 7618' - 0.4 °  | 9055' - 2.4 °  | 10,333' - 0.8 ° | 11,480' - 2.6 ° |
| 3565' - 1.0 °  | 7649' - 0.6 °  | 9086' - 2.5 °  | 10,364' - 1.3 ° | 11,511' - 2.3 ° |
| 3849' - .75 °  | 7710' - 1.4 °  | 9117' - 2.9 °  | 10,395' - 1.5 ° | 11,543' - 3.4 ° |
| 4350' - 1.0 °  | 7742' - 0.3 °  | 9149' - 2.6 °  | 10,426' - 1.5 ° | 11,571' - 3.6 ° |
| 4568' - 0.5 °  | 7773' - 1.6 °  | 9180' - 4.2 °  | 10,457' - 1.5 ° |                 |
| 4820' - .25 °  | 7804' - 1.5 °  | 9194' - 3.5 °  | 10,520' - 1.7 ° |                 |
| 5070' - .75 °  | 7834' - 1.4 °  | 9215' - 3.1 °  | 10,552' - 1.8 ° |                 |
| 5320' - 1.0 °  | 7897' - 1.1 °  | 9237' - 3.75 ° | 10,584' - 1.4 ° |                 |

Sincerely,



Gary W. Chappell  
Contracts Manager

STATE OF NEW MEXICO )  
 )  
COUNTY OF EDDY )

The foregoing was acknowledged before me this 29th day of January, 2007 by Gary W. Chappell.

MY COMMISSION EXPIRES

Sept. 1, 2009

Barbara L. Carey  
NOTARY PUBLIC



OFFICIAL SEAL  
Barbara L. Carey  
NOTARY PUBLIC STATE OF NEW MEXICO

My commission expires: Sept. 1, 2009



# Scientific Drilling

**J CLEO THOMPSON**

Field: Happy Valley  
Site: Eddy County, NM  
Well: Mesa Arriba #2  
Wellpath: VH - Job #32K0107047  
Survey: 01/13/07

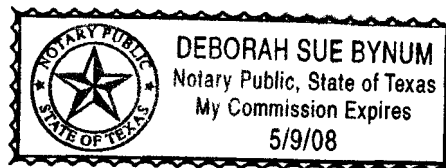
This survey is correct to the best of my knowledge  
and is supported by actual field data.

.....*R. W. Hart*.....Company Representative

Notorized this date 30<sup>th</sup> of January, 2007.

*Deborah Sue Bynum*  
Notary Signature

County of Midland  
State of Texas





# Scientific Drilling International Survey Report

Company: J CLEO THOMPSON  
Field: Happy Valley  
Site: Eddy County, NM  
Well: Mesa Arriba #2  
Wellpath: VH - Job #32K0107047

Date: 01/29/2007 Time: 21:40:13 Page: 1  
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,247.40Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 01/13/07 Start Date: 01/13/2007  
KSRG 0'-9779'  
Company: Scientific Drilling Internatio Engineer: Madrid w/P&M  
Tool: Keeper;Keeper Gyro Tied-to: From Surface

## Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.00     | 0.00        | 0.00        | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 100.00   | 0.71        | 238.40      | 100.00    | 0.61     | -0.32     | -0.53     | 0.71             | 0.62       | 238.40      |
| 200.00   | 1.07        | 256.00      | 199.99    | 2.15     | -0.88     | -1.96     | 0.45             | 2.15       | 245.95      |
| 300.00   | 1.59        | 267.51      | 299.96    | 4.37     | -1.16     | -4.25     | 0.58             | 4.41       | 254.73      |
| 400.00   | 1.91        | 266.36      | 399.91    | 7.25     | -1.33     | -7.30     | 0.32             | 7.42       | 259.70      |
| 500.00   | 2.24        | 266.52      | 499.85    | 10.67    | -1.55     | -10.92    | 0.33             | 11.03      | 261.91      |
| 600.00   | 2.52        | 274.58      | 599.76    | 14.48    | -1.49     | -15.06    | 0.44             | 15.13      | 264.33      |
| 700.00   | 2.48        | 277.00      | 699.66    | 18.31    | -1.06     | -19.40    | 0.11             | 19.43      | 266.88      |
| 800.00   | 1.96        | 288.59      | 799.59    | 21.48    | -0.25     | -23.17    | 0.68             | 23.17      | 269.39      |
| 900.00   | 1.22        | 355.67      | 899.56    | 22.44    | 1.36      | -24.87    | 1.86             | 24.90      | 273.13      |
| 1000.00  | 1.63        | 40.25       | 999.53    | 20.84    | 3.51      | -24.03    | 1.15             | 24.28      | 278.30      |
| 1100.00  | 1.31        | 62.30       | 1099.50   | 18.43    | 5.12      | -22.10    | 0.64             | 22.68      | 283.06      |
| 1200.00  | 1.13        | 116.58      | 1199.48   | 16.65    | 5.21      | -20.20    | 1.12             | 20.87      | 284.47      |
| 1300.00  | 0.99        | 152.36      | 1299.46   | 15.93    | 4.01      | -18.92    | 0.66             | 19.34      | 281.96      |
| 1400.00  | 1.39        | 179.11      | 1399.44   | 16.30    | 2.03      | -18.50    | 0.67             | 18.61      | 276.26      |
| 1500.00  | 1.10        | 175.19      | 1499.42   | 17.04    | -0.14     | -18.40    | 0.30             | 18.40      | 269.57      |
| 1600.00  | 1.51        | 173.86      | 1599.39   | 17.71    | -2.41     | -18.18    | 0.41             | 18.34      | 262.46      |
| 1700.00  | 1.50        | 175.64      | 1699.36   | 18.49    | -5.02     | -17.94    | 0.05             | 18.63      | 254.36      |
| 1800.00  | 1.35        | 181.40      | 1799.33   | 19.38    | -7.50     | -17.87    | 0.21             | 19.38      | 247.22      |
| 1900.00  | 1.31        | 187.82      | 1899.30   | 20.44    | -9.81     | -18.05    | 0.15             | 20.55      | 241.47      |
| 2000.00  | 0.80        | 197.54      | 1999.28   | 21.47    | -11.61    | -18.42    | 0.54             | 21.77      | 237.77      |
| 2100.00  | 0.69        | 206.74      | 2099.27   | 22.37    | -12.82    | -18.90    | 0.16             | 22.84      | 235.86      |
| 2200.00  | 0.55        | 204.03      | 2199.27   | 23.18    | -13.79    | -19.37    | 0.14             | 23.78      | 234.54      |
| 2300.00  | 0.34        | 245.48      | 2299.26   | 23.83    | -14.35    | -19.83    | 0.37             | 24.48      | 234.11      |
| 2400.00  | 0.40        | 275.28      | 2399.26   | 24.43    | -14.44    | -20.45    | 0.20             | 25.04      | 234.77      |
| 2500.00  | 0.60        | 250.22      | 2499.26   | 25.26    | -14.59    | -21.29    | 0.29             | 25.81      | 235.58      |
| 2600.00  | 0.39        | 292.76      | 2599.26   | 26.02    | -14.63    | -22.10    | 0.41             | 26.50      | 236.48      |
| 2700.00  | 0.42        | 295.22      | 2699.25   | 26.51    | -14.35    | -22.74    | 0.03             | 26.89      | 237.75      |
| 2800.00  | 0.48        | 310.84      | 2799.25   | 26.94    | -13.92    | -23.39    | 0.14             | 27.22      | 239.25      |
| 2900.00  | 0.54        | 327.37      | 2899.25   | 27.21    | -13.25    | -23.96    | 0.16             | 27.38      | 241.07      |
| 3000.00  | 0.48        | 312.96      | 2999.24   | 27.47    | -12.56    | -24.52    | 0.14             | 27.55      | 242.87      |
| 3100.00  | 0.59        | 328.71      | 3099.24   | 27.72    | -11.84    | -25.10    | 0.18             | 27.75      | 244.75      |
| 3200.00  | 0.57        | 327.26      | 3199.23   | 27.88    | -10.98    | -25.63    | 0.02             | 27.89      | 246.81      |
| 3300.00  | 0.68        | 332.41      | 3299.23   | 28.02    | -10.04    | -26.18    | 0.12             | 28.03      | 249.02      |
| 3400.00  | 0.74        | 331.24      | 3399.22   | 28.14    | -8.94     | -26.76    | 0.06             | 28.22      | 251.52      |
| 3500.00  | 0.80        | 329.17      | 3499.21   | 28.31    | -7.78     | -27.43    | 0.07             | 28.51      | 254.17      |
| 3600.00  | 0.78        | 329.19      | 3599.20   | 28.51    | -6.59     | -28.14    | 0.02             | 28.90      | 256.81      |
| 3700.00  | 0.74        | 324.76      | 3699.19   | 28.75    | -5.48     | -28.86    | 0.07             | 29.37      | 259.24      |
| 3800.00  | 0.54        | 315.18      | 3799.18   | 29.07    | -4.62     | -29.56    | 0.23             | 29.92      | 261.12      |
| 3900.00  | 0.72        | 301.50      | 3899.18   | 29.62    | -3.96     | -30.43    | 0.23             | 30.69      | 262.59      |
| 4000.00  | 0.51        | 308.05      | 3999.17   | 30.20    | -3.36     | -31.32    | 0.22             | 31.50      | 263.88      |
| 4100.00  | 0.70        | 291.40      | 4099.17   | 30.86    | -2.86     | -32.24    | 0.26             | 32.36      | 264.93      |
| 4200.00  | 0.53        | 281.73      | 4199.16   | 31.68    | -2.54     | -33.26    | 0.20             | 33.35      | 265.63      |
| 4300.00  | 0.68        | 277.96      | 4299.16   | 32.57    | -2.36     | -34.30    | 0.16             | 34.38      | 266.06      |
| 4400.00  | 0.67        | 290.40      | 4399.15   | 33.51    | -2.08     | -35.43    | 0.15             | 35.49      | 266.64      |
| 4500.00  | 0.60        | 294.61      | 4499.14   | 34.30    | -1.66     | -36.46    | 0.08             | 36.50      | 267.40      |
| 4600.00  | 0.54        | 279.67      | 4599.14   | 35.05    | -1.36     | -37.40    | 0.16             | 37.42      | 267.92      |
| 4700.00  | 0.70        | 284.97      | 4699.13   | 35.93    | -1.12     | -38.45    | 0.17             | 38.47      | 268.33      |
| 4800.00  | 0.57        | 283.38      | 4799.13   | 36.82    | -0.85     | -39.53    | 0.13             | 39.54      | 268.77      |



# Scientific Drilling International

## Survey Report

Company: J CLEO THOMPSON  
 Field: Happy Valley  
 Site: Eddy County, NM  
 Well: Mesa Arriba #2  
 Wellpath: VH - Job #32K0107047

Date: 01/29/2007 Time: 21:40:13 Page: 2  
 Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North  
 Vertical (TVD) Reference: SITE 0.0  
 Section (VS) Reference: Well (0.00N,0.00E,247.40Azi)  
 Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 4900.00  | 0.47        | 299.05      | 4899.12   | 37.48    | -0.54     | -40.37    | 0.17             | 40.37      | 269.24      |
| 5000.00  | 0.55        | 288.79      | 4999.12   | 38.09    | -0.18     | -41.18    | 0.12             | 41.18      | 269.75      |
| 5100.00  | 0.56        | 332.32      | 5099.11   | 38.49    | 0.41      | -41.86    | 0.41             | 41.87      | 270.55      |
| 5200.00  | 0.49        | 332.51      | 5199.11   | 38.57    | 1.22      | -42.29    | 0.07             | 42.31      | 271.65      |
| 5300.00  | 0.60        | 339.55      | 5299.11   | 38.59    | 2.09      | -42.67    | 0.13             | 42.72      | 272.80      |
| 5400.00  | 0.62        | 328.91      | 5399.10   | 38.65    | 3.04      | -43.13    | 0.11             | 43.24      | 274.03      |
| 5500.00  | 0.89        | 325.93      | 5499.09   | 38.89    | 4.15      | -43.85    | 0.27             | 44.04      | 275.40      |
| 5600.00  | 0.70        | 308.84      | 5599.08   | 39.33    | 5.17      | -44.76    | 0.30             | 45.05      | 276.59      |
| 5700.00  | 0.74        | 320.81      | 5699.07   | 39.81    | 6.06      | -45.64    | 0.16             | 46.04      | 277.56      |
| 5800.00  | 0.80        | 319.36      | 5799.06   | 40.21    | 7.09      | -46.50    | 0.06             | 47.04      | 278.67      |
| 5900.00  | 0.77        | 308.03      | 5899.06   | 40.75    | 8.03      | -47.49    | 0.16             | 48.16      | 279.60      |
| 6000.00  | 0.61        | 308.91      | 5999.05   | 41.34    | 8.78      | -48.43    | 0.16             | 49.22      | 280.28      |
| 6100.00  | 0.46        | 333.45      | 6099.04   | 41.62    | 9.47      | -49.02    | 0.27             | 49.93      | 280.94      |
| 6200.00  | 0.56        | 293.33      | 6199.04   | 41.99    | 10.03     | -49.65    | 0.36             | 50.65      | 281.42      |
| 6300.00  | 0.87        | 256.53      | 6299.03   | 43.08    | 10.04     | -50.84    | 0.54             | 51.82      | 281.17      |
| 6400.00  | 1.18        | 260.63      | 6399.02   | 44.83    | 9.70      | -52.59    | 0.32             | 53.48      | 280.45      |
| 6500.00  | 1.02        | 265.82      | 6499.00   | 46.68    | 9.47      | -54.50    | 0.19             | 55.31      | 279.85      |
| 6600.00  | 0.91        | 255.33      | 6598.98   | 48.31    | 9.20      | -56.15    | 0.21             | 56.90      | 279.30      |
| 6700.00  | 1.20        | 256.52      | 6698.97   | 50.13    | 8.75      | -57.94    | 0.29             | 58.60      | 278.59      |
| 6800.00  | 1.30        | 267.65      | 6798.94   | 52.22    | 8.46      | -60.09    | 0.26             | 60.68      | 278.02      |
| 6900.00  | 1.76        | 262.19      | 6898.91   | 54.77    | 8.21      | -62.75    | 0.48             | 63.28      | 277.45      |
| 7000.00  | 1.80        | 271.57      | 6998.86   | 57.69    | 8.04      | -65.84    | 0.29             | 66.33      | 276.97      |
| 7100.00  | 2.41        | 278.83      | 7098.79   | 60.92    | 8.41      | -69.49    | 0.66             | 69.99      | 276.90      |
| 7200.00  | 2.39        | 268.27      | 7198.70   | 64.66    | 8.67      | -73.65    | 0.44             | 74.16      | 276.71      |
| 7300.00  | 1.32        | 249.01      | 7298.65   | 67.76    | 8.19      | -76.81    | 1.22             | 77.24      | 276.09      |
| 7400.00  | 0.84        | 228.11      | 7398.63   | 69.60    | 7.29      | -78.43    | 0.61             | 78.77      | 275.31      |
| 7500.00  | 0.82        | 230.52      | 7498.62   | 70.98    | 6.35      | -79.53    | 0.04             | 79.78      | 274.56      |
| 7600.00  | 0.68        | 251.07      | 7598.61   | 72.26    | 5.70      | -80.64    | 0.30             | 80.84      | 274.04      |
| 7700.00  | 0.61        | 304.93      | 7698.61   | 73.14    | 5.81      | -81.64    | 0.59             | 81.84      | 274.07      |
| 7800.00  | 0.89        | 300.40      | 7798.60   | 73.89    | 6.51      | -82.74    | 0.29             | 83.00      | 274.50      |
| 7900.00  | 0.71        | 288.71      | 7898.59   | 74.82    | 7.10      | -84.00    | 0.24             | 84.30      | 274.83      |
| 8000.00  | 0.75        | 256.72      | 7998.58   | 75.93    | 7.15      | -85.22    | 0.40             | 85.52      | 274.80      |
| 8100.00  | 0.80        | 239.56      | 8098.57   | 77.27    | 6.65      | -86.46    | 0.24             | 86.72      | 274.40      |
| 8200.00  | 0.95        | 231.59      | 8198.56   | 78.76    | 5.78      | -87.71    | 0.19             | 87.90      | 273.77      |
| 8300.00  | 0.88        | 222.13      | 8298.55   | 80.25    | 4.69      | -88.88    | 0.17             | 89.00      | 273.02      |
| 8400.00  | 0.89        | 231.06      | 8398.54   | 81.69    | 3.63      | -90.00    | 0.14             | 90.07      | 272.31      |
| 8500.00  | 1.11        | 222.11      | 8498.52   | 83.31    | 2.43      | -91.25    | 0.27             | 91.28      | 271.52      |
| 8600.00  | 1.30        | 206.11      | 8598.50   | 85.04    | 0.69      | -92.40    | 0.38             | 92.40      | 270.43      |
| 8700.00  | 1.61        | 208.16      | 8698.47   | 86.98    | -1.57     | -93.56    | 0.31             | 93.58      | 269.04      |
| 8800.00  | 1.74        | 200.80      | 8798.43   | 89.11    | -4.22     | -94.76    | 0.25             | 94.86      | 267.45      |
| 8900.00  | 1.67        | 202.57      | 8898.38   | 91.19    | -6.99     | -95.86    | 0.09             | 96.12      | 265.83      |
| 9000.00  | 2.21        | 205.80      | 8998.32   | 93.66    | -10.07    | -97.26    | 0.55             | 97.78      | 264.09      |
| 9100.00  | 2.79        | 201.47      | 9098.23   | 96.80    | -14.07    | -98.99    | 0.61             | 99.99      | 261.91      |
| 9200.00  | 3.33        | 200.58      | 9198.09   | 100.48   | -19.06    | -100.90   | 0.54             | 102.69     | 259.31      |
| 9300.00  | 3.40        | 196.83      | 9297.91   | 104.35   | -24.61    | -102.78   | 0.23             | 105.69     | 256.53      |
| 9400.00  | 2.98        | 199.24      | 9397.76   | 107.97   | -29.90    | -104.50   | 0.44             | 108.69     | 254.03      |
| 9500.00  | 2.35        | 188.60      | 9497.65   | 110.76   | -34.39    | -105.66   | 0.80             | 111.12     | 251.97      |
| 9600.00  | 2.20        | 197.88      | 9597.57   | 113.07   | -38.24    | -106.56   | 0.40             | 113.21     | 250.26      |
| 9700.00  | 2.18        | 200.83      | 9697.50   | 115.62   | -41.84    | -107.82   | 0.11             | 115.66     | 248.79      |
| 9779.00  | 3.11        | 194.43      | 9776.41   | 117.95   | -45.32    | -108.89   | 1.23             | 117.95     | 247.40      |



Scientific  
Drilling

Field: Happy Valley  
Site: Eddy County, NM  
Well: Mesa Arriba #2  
Wellpath: VH - Job #32K0107047  
Survey: 01/13/07

