

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-104  
Revised June 10, 2003



☐ AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTORIZATION TO TRANSPORT**

|                                                                                                                                          |                                                      |                                           |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------|
| <sup>1</sup> Operator name and Address<br><b>COG Operating LLC</b><br><b>550 W. Texas Avenue, Suite 1300</b><br><b>Midland, TX 79701</b> |                                                      | <sup>2</sup> GRID Number<br><b>229137</b> |
| <sup>3</sup> Reason for Filing Code/ Effective Date<br><b>NW effec 3/30/2007</b>                                                         |                                                      |                                           |
| <sup>4</sup> API Number<br><b>30 - 015 - 34815</b>                                                                                       | <sup>5</sup> Pool Name<br><b>Empire Yeso</b>         | <sup>6</sup> Pool Code<br><b>96210</b>    |
| <sup>7</sup> Property Code<br><b>302583</b>                                                                                              | <sup>8</sup> Property Name<br><b>Western Federal</b> | <sup>9</sup> Well Number<br><b>008</b>    |

**II. <sup>10</sup> Surface Location**

|                           |                      |                        |                     |         |                              |                                     |                             |                               |                       |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|-------------------------------------|-----------------------------|-------------------------------|-----------------------|
| Ul or lot no.<br><b>H</b> | Section<br><b>30</b> | Township<br><b>17S</b> | Range<br><b>29E</b> | Lot.Idn | Feet from the<br><b>2040</b> | North/South<br>Line<br><b>North</b> | Feet from the<br><b>330</b> | East/West line<br><b>East</b> | County<br><b>Eddy</b> |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|-------------------------------------|-----------------------------|-------------------------------|-----------------------|

**<sup>11</sup> Bottom Hole Location**

|                                    |                                                    |                                                            |                                   |                                    |                                     |                                  |                             |                               |        |
|------------------------------------|----------------------------------------------------|------------------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|----------------------------------|-----------------------------|-------------------------------|--------|
| UL or lot<br>no.<br><b>H</b>       | Section<br><b>30</b>                               | Township<br><b>17S</b>                                     | Range<br><b>29E</b>               | Lot Idn                            | Feet from the<br><b>1673</b>        | North/South line<br><b>North</b> | Feet from the<br><b>350</b> | East/West line<br><b>East</b> | County |
| <sup>12</sup> Lse Code<br><b>F</b> | <sup>13</sup> Producing Method<br>Code<br><b>P</b> | <sup>14</sup> Gas Connection<br>Date<br><b>3 / 30 / 07</b> | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |                                  |                             |                               |        |

**III. Oil and Gas Transporters**

|                                    |                                                                                                     |                   |                   |                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------------------------|
| <sup>18</sup> Transporter<br>OGRID | <sup>19</sup> Transporter Name<br>and Address                                                       | <sup>20</sup> POD | <sup>21</sup> O/G | <sup>22</sup> POD ULSTR Location<br>and Description |
| <b>15694</b>                       | <b>Navajo Refining Co. Pipeline Division</b><br><b>P O Box 159</b><br><b>Artesia, NM 88211-0159</b> | <b>2821900</b>    | <b>O</b>          | <b>Unit H, Section 30, T17S, R29E</b>               |
| <b>009171</b>                      | <b>Duke Energy Field Serv LP</b><br><b>4001 Penbrook</b><br><b>Odessa, TX 79762</b>                 | <b>2821901</b>    | <b>G</b>          | <b>Unit H, Section 30, T17S, R29E</b>               |
|                                    |                                                                                                     |                   |                   |                                                     |
|                                    |                                                                                                     |                   |                   |                                                     |
|                                    |                                                                                                     |                   |                   |                                                     |

**IV. Produced Water**

|                                     |                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| <sup>23</sup> POD<br><b>2821902</b> | <sup>24</sup> POD ULSTR Location and Description<br><b>Unit H, Section 30, T17S, R29E</b> |
|-------------------------------------|-------------------------------------------------------------------------------------------|

**V. Well Completion Data**

|                                              |                                              |                                 |                                   |                                                   |                       |
|----------------------------------------------|----------------------------------------------|---------------------------------|-----------------------------------|---------------------------------------------------|-----------------------|
| <sup>25</sup> Spud Date<br><b>01-09-2007</b> | <sup>26</sup> Ready Date<br><b>3-30-2007</b> | <sup>27</sup> TD<br><b>5775</b> | <sup>28</sup> PBTB<br><b>4900</b> | <sup>29</sup> Perforations<br><b>3933' -4093'</b> | <sup>30</sup> DHC, MC |
| <sup>31</sup> Hole Size                      | <sup>32</sup> Casing & Tubing Size           | <sup>33</sup> Depth Set         | <sup>34</sup> Sacks Cement        |                                                   |                       |
| <b>17 1/2</b>                                | <b>13 3/8</b>                                | <b>379</b>                      | <b>448 sx</b>                     |                                                   |                       |
| <b>12-1/4</b>                                | <b>8 5/8</b>                                 | <b>910</b>                      | <b>650 sx</b>                     |                                                   |                       |
| <b>7 7/8</b>                                 | <b>5 1/2</b>                                 | <b>5768</b>                     | <b>1355 sx</b>                    |                                                   |                       |
|                                              | <b>2-7/8" tbg</b>                            | <b>4109</b>                     |                                   |                                                   |                       |

**VI. Well Test Data**

|                                                                                                                                                                                                                                               |                                                      |                                                 |                                                                                                      |                             |                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------|
| <sup>35</sup> Date New Oil<br><b>4/1/07</b>                                                                                                                                                                                                   | <sup>36</sup> Gas Delivery Date<br><b>4 / 1 / 07</b> | <sup>37</sup> Test Date<br><b>04 / 07 /2007</b> | <sup>38</sup> Test Length<br><b>24 hrs</b>                                                           | <sup>39</sup> Tbg. Pressure | <sup>40</sup> Csg. Pressure           |
| <sup>41</sup> Choke Size                                                                                                                                                                                                                      | <sup>42</sup> Oil<br><b>50</b>                       | <sup>43</sup> Water<br><b>176</b>               | <sup>44</sup> Gas<br><b>82</b>                                                                       | <sup>45</sup> AOF           | <sup>46</sup> Test Method<br><b>P</b> |
| <sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <i>Phyllis Edwards</i> |                                                      |                                                 | OIL CONSERVATION DIVISION<br><br>Approved by: <b>BRYAN G. ARRANT</b><br><b>DISTRICT II GEOLOGIST</b> |                             |                                       |
| Printed name:<br><b>Phyllis Edwards</b>                                                                                                                                                                                                       |                                                      |                                                 | Title:                                                                                               |                             |                                       |
| Title:<br><b>Regulatory Analyst</b>                                                                                                                                                                                                           |                                                      |                                                 | Approval Date:<br><b>APR 19 2007</b>                                                                 |                             |                                       |
| E-mail Address:<br><b>pedwards@conchoresources.com</b>                                                                                                                                                                                        |                                                      |                                                 |                                                                                                      |                             |                                       |
| Date:<br><b>04/16/2007</b>                                                                                                                                                                                                                    |                                                      | Phone:<br><b>432-685-4340</b>                   |                                                                                                      |                             |                                       |