

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

Form C-104  
Revised June 10, 2003

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

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                                                                       |                                                      |                                            |                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------|
| <sup>1</sup> Operator name and Address<br><b>Chesapeake Operating Inc.</b><br><b>P. O. Box 11050</b><br><b>Midland, TX 79702-8050</b> |                                                      | <sup>2</sup> OGRID Number<br><b>147179</b> | <sup>3</sup> Reason for Filing Code/ Effective Date<br><b>NW (09/27/06)</b> |
| <sup>4</sup> API Number<br><b>30 -015-34939</b>                                                                                       | <sup>5</sup> Pool Name<br><b>Esperanza; Delaware</b> |                                            | <sup>6</sup> Pool Code<br><b>22640</b>                                      |
| <sup>7</sup> Property Code<br><b>33998</b>                                                                                            | <sup>8</sup> Property Name<br><b>Esperanza 4</b>     | <sup>9</sup> Well Number<br><b>6</b>       |                                                                             |

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

|                           |                     |                        |                     |         |                             |                                  |                             |                               |                       |
|---------------------------|---------------------|------------------------|---------------------|---------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| UL or lot no.<br><b>P</b> | Section<br><b>4</b> | Township<br><b>22S</b> | Range<br><b>27E</b> | Lot.Idn | Feet from the<br><b>330</b> | North/South Line<br><b>South</b> | Feet from the<br><b>660</b> | East/West line<br><b>East</b> | County<br><b>Eddy</b> |
|---------------------------|---------------------|------------------------|---------------------|---------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|

<sup>11</sup> Bottom Hole Location

|                                    |                                                          |                                                           |                                   |         |                                    |                                  |                                     |                               |                       |
|------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|---------|------------------------------------|----------------------------------|-------------------------------------|-------------------------------|-----------------------|
| UL or lot no.<br><b>P</b>          | Section<br><b>4</b>                                      | Township<br><b>22S</b>                                    | Range<br><b>27E</b>               | Lot Idn | Feet from the<br><b>330</b>        | North/South line<br><b>South</b> | Feet from the<br><b>660</b>         | East/West line<br><b>East</b> | County<br><b>Eddy</b> |
| <sup>12</sup> Lse Code<br><b>P</b> | <sup>13</sup> Producing Method<br>Code<br><b>Flowing</b> | <sup>14</sup> Gas Connection<br>Date<br><b>09/29/2006</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>036785</b>                      | <b>Duke Energy Field Services,<br/>L.P.</b>   |                   | <b>Gas</b>        |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    | <b>Liquid Transports</b>                      |                   | <b>Oil</b>        |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |

IV. Produced Water

|                   |                                                  |
|-------------------|--------------------------------------------------|
| <sup>23</sup> POD | <sup>24</sup> POD ULSTR Location and Description |
|-------------------|--------------------------------------------------|

V. Well Completion Data

|                                              |                                               |                                 |                                   |                                                 |                       |
|----------------------------------------------|-----------------------------------------------|---------------------------------|-----------------------------------|-------------------------------------------------|-----------------------|
| <sup>25</sup> Spud Date<br><b>08/21/2006</b> | <sup>26</sup> Ready Date<br><b>09/27/2006</b> | <sup>27</sup> TD<br><b>5325</b> | <sup>28</sup> PBTD<br><b>5275</b> | <sup>29</sup> Perforations<br><b>5134 - 202</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>11</b>                                    | <b>8 5/8"</b>                                 | <b>400</b>                      |                                   | <b>200 sx Cl. C</b>                             |                       |
| <b>7 7/8</b>                                 | <b>5 1/2"</b>                                 | <b>5325</b>                     |                                   | <b>1000 sx C</b>                                |                       |
|                                              | <b>2 7/8"</b>                                 | <b>5045'</b>                    |                                   |                                                 |                       |
|                                              |                                               |                                 |                                   |                                                 |                       |

VI. Well Test Data

|                                                 |                                                      |                                              |                                            |                                           |                                             |
|-------------------------------------------------|------------------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------------------------------|---------------------------------------------|
| <sup>35</sup> Date New Oil<br><b>09/28/2006</b> | <sup>36</sup> Gas Delivery Date<br><b>09/29/2006</b> | <sup>37</sup> Test Date<br><b>10/04/2006</b> | <sup>38</sup> Test Length<br><b>24 hrs</b> | <sup>39</sup> Tbg. Pressure<br><b>240</b> | <sup>40</sup> Csg. Pressure<br><b>500</b>   |
| <sup>41</sup> Choke Size<br><b>38/64"</b>       | <sup>42</sup> Oil<br><b>134</b>                      | <sup>43</sup> Water<br><b>66</b>             | <sup>44</sup> Gas<br><b>477</b>            | <sup>45</sup> AOF                         | <sup>46</sup> Test Method<br><b>Flowing</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.

Signature: *Brenda Coffman*

Printed name: **Brenda Coffman**

Title: **Regulatory Analyst**

E-mail Address: **bcoffman@chkenenergy.com**

Date: **10/06/2006** Phone: **(432)687-2992**

OIL CONSERVATION DIVISION

Approved by:

**BRYAN G. ARRANT**  
**DISTRICT II GEOLOGIST**

Approval Date:

**OCT 13 2006**