

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. 1st Street, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised March 17, 1999

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address <b>EOG Resources Inc.</b> <b>P.O. Box 2267 Midland, Texas 79702</b>		<sup>2</sup> OGRID Number <b>7377</b>
		<sup>3</sup> API Number <b>30- 025-33239</b>
<sup>4</sup> Property Code <b>25571</b>	<sup>5</sup> Property Name <b>Mile Deer 36 State</b>	<sup>6</sup> Well No. <b>5</b>

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>H</b>	<b>36</b>	<b>22S</b>	<b>32E</b>		<b>1980</b>	<b>North</b>	<b>990</b>	<b>East</b>	<b>Lea</b>

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

<sup>9</sup> Proposed Pool 1

**Red Tank; Delaware, West**

<sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code <b>A</b>	<sup>12</sup> Well Type Code <b>O</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3756</b>
<sup>16</sup> Multiple <b>Y</b>	<sup>17</sup> Proposed Depth <b>9024</b>	<sup>18</sup> Formation <b>BS &amp; Delaware</b>	<sup>19</sup> Contractor	<sup>20</sup> Spud Date <b>6/25/03</b>

<sup>21</sup> Proposed Casing and Cement Program

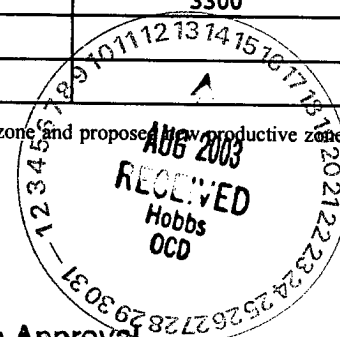
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>17 1/2</b>	<b>13 3/8</b>	<b>48</b>	<b>857</b>	<b>750</b>	<b>Surface</b>
<b>12 1/4</b>	<b>8 5/8</b>	<b>28, 32</b>	<b>4666</b>	<b>1450</b>	<b>Surface</b>
<b>5 1/2</b>	<b>7 7/8</b>	<b>17</b>	<b>9024</b>	<b>950</b>	<b>3300</b>

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

**Currently producing from Red Tank; Bone Spring**

**Adding Red Tank; Delaware, West for DHC per order 1364**

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
*Adding*

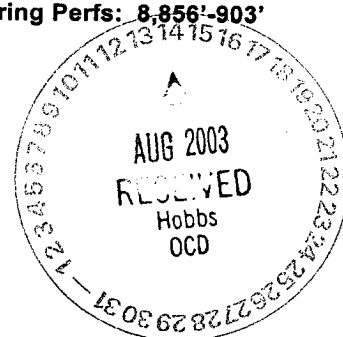
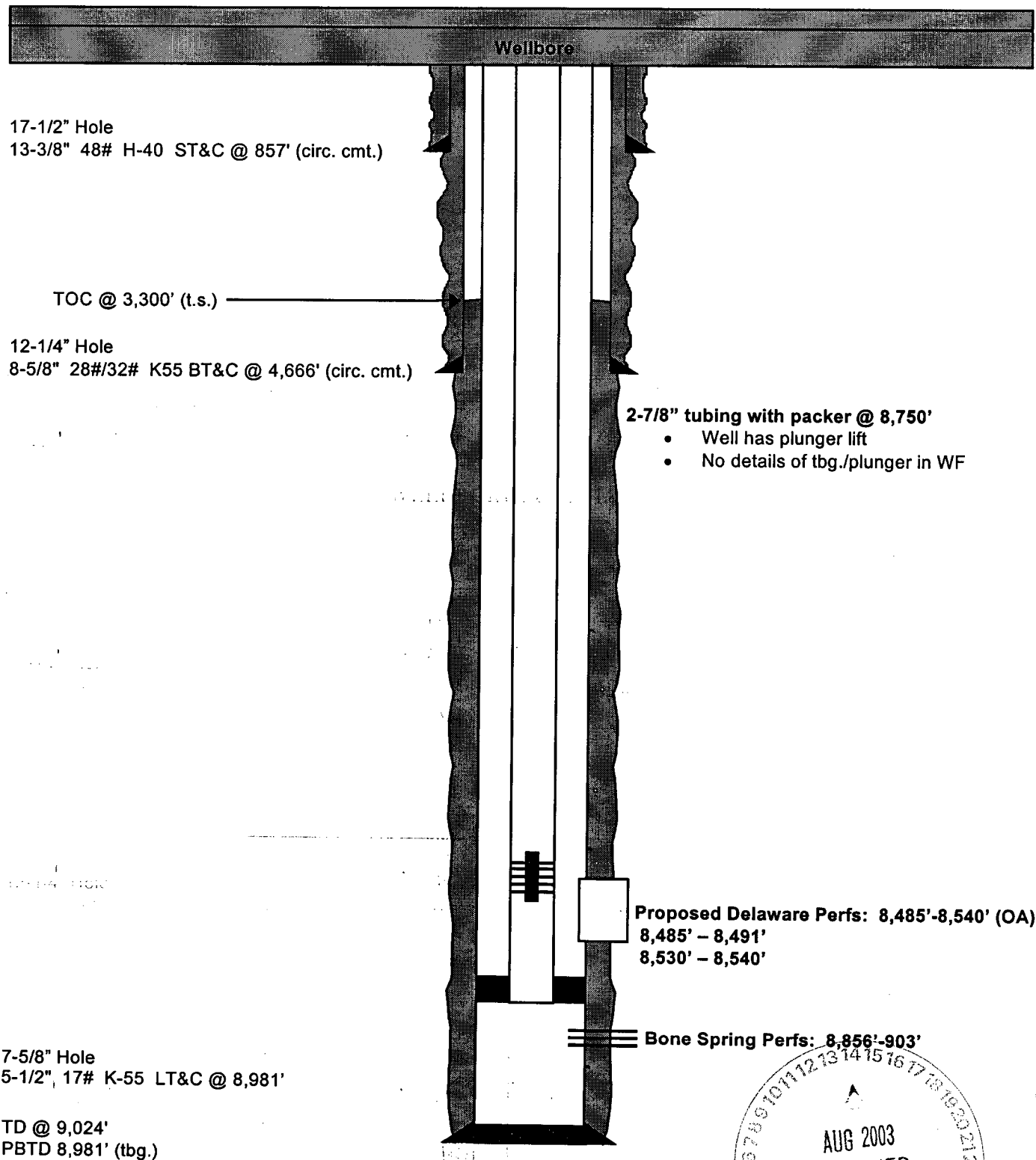


<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		<b>OIL CONSERVATION DIVISION</b>	
Signature: <i>Stan Wagner</i>		Approved by: <i>[Signature]</i>	
Printed name: <b>Stan Wagner</b>		Title: <b>PETROLEUM ENGINEER</b>	
Title: <b>Regulatory Analyst</b>		Approval Date: <b>AUG 28 2003</b>	Expiration Date:
Date: <b>8/13/03</b>	Phone: <b>432 686 3689</b>	Conditions of Approval:	
		Attached <input type="checkbox"/>	

EOG RESOURCES, INC.  
1,980' FNL & 990' FEL  
Sec. 36-T22S-R32E

MULE DEER STATE "36" NO. 5  
LEA CO., NEW MEXICO  
NOVEMBER 07, 2002

### WELLBORE SCHEMATIC



**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 Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-33239	<sup>2</sup> Pool Code 51689	<sup>3</sup> Pool Name Red Tank, Delaware, West
<sup>4</sup> Property Code 25571	<sup>5</sup> Property Name Mule Deer 36 State	<sup>6</sup> Well Number 5
<sup>7</sup> OGRID No. 7377	<sup>8</sup> Operator Name EOG Resources, Inc.	<sup>9</sup> Elevation 3756 GR

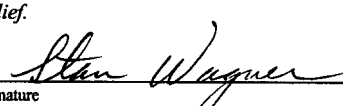
**10 Surface Location**

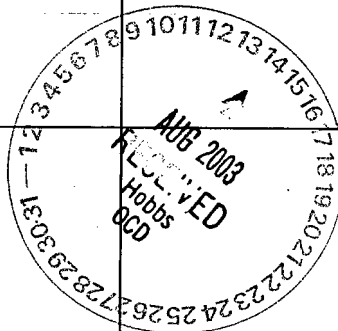
UL or lot no.	Section 36	Township 22S	Range 32E	Lot Idn	Feet from the 1980	North/South line North	Feet from the 990	East/West line East	County Lea
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**11 Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. DHC-1364						

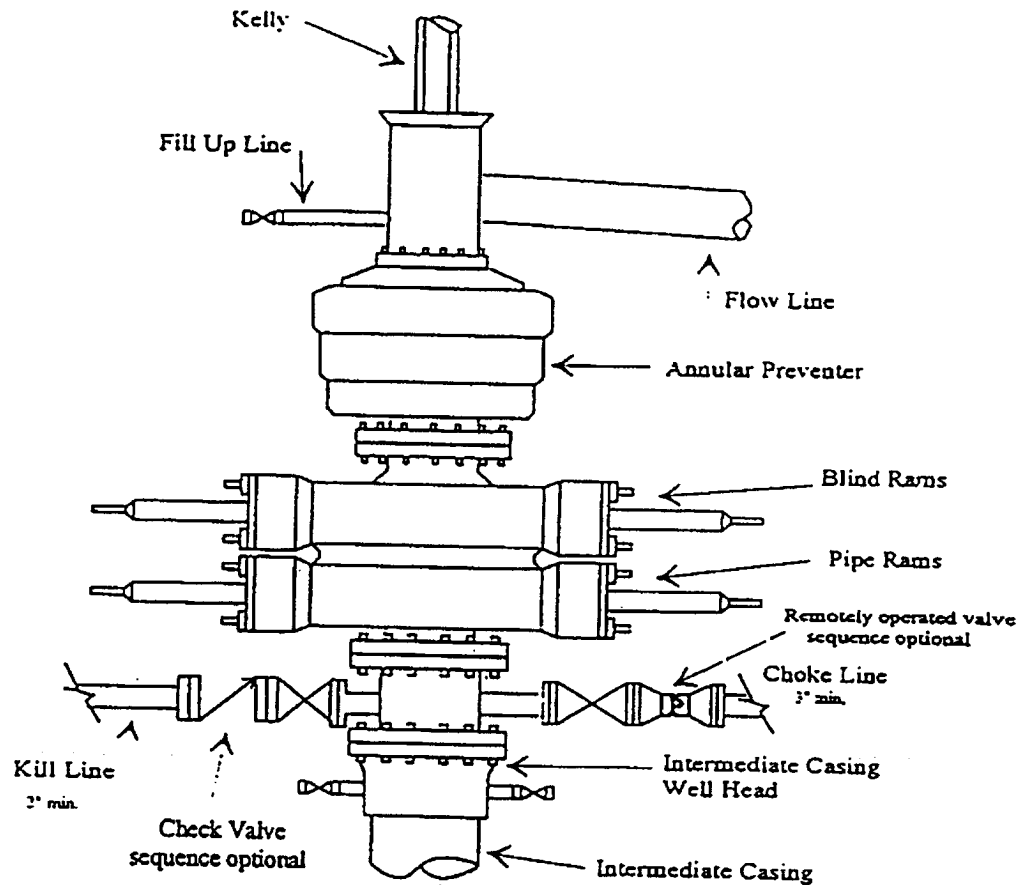
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div style="position: relative; height: 400px;"> <div style="position: absolute; top: 0; left: 50%; transform: translate(-50%, 0);">1980'</div> <div style="position: absolute; bottom: 0; left: 50%; transform: translate(-50%, 0);">990'</div> <div style="position: absolute; bottom: 0; left: 50%; transform: translate(-50%, 0);">5</div> </div>	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <div style="text-align: right;">             Signature            Stan Wagner            Printed Name            Regulatory Analyst            Title and E-mail Address            8/13/03            Date         </div>	
	<b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
	Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	





Typical 5,000 psi Pressure System  
 Schematic  
 Annular with Double Ram Preventer Stack



Typical 5,000 psi choke manifold assembly with at least these minimum features

