

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

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

Submit to appropriate District Office



☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701		<b>APR 23 2008</b> <b>OCD-ARTESIA</b>	<sup>2</sup> OGRID Number 299137
<sup>3</sup> Property Code 302569		<sup>4</sup> Property Name State S-19	<sup>5</sup> API Number 30-015-32062
<sup>9</sup> Proposed Pool 1 Empire; Glorieta, Yeso		<sup>10</sup> Proposed Pool 2	

**7 Surface Location**

UL or lot no <b>P</b>	Section <b>19</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>330</b>	North/South line <b>South</b>	Feet from the <b>865</b>	East/West line <b>East</b>	County <b>Eddy</b>
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**8 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
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**Additional Well Information**

<sup>11</sup> Work Type Code <b>D</b>	<sup>12</sup> Well Type Code <b>O</b>	<sup>13</sup> Cable/Rotary <b>Rotary</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3649</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>5500</b>	<sup>18</sup> Formation <b>Yeso</b>	<sup>19</sup> Contractor	<sup>20</sup> Spud Date <b>As soon as approved</b>
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____bbls Drilling Method: Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**21 Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	13-3/8	48	349	375	
12-1/4	8-5/8	24	810	500	
7-7/8	5-1/2	17	4350	860	
4-3/4	4	11.3	5500	115	
	2-7/8 tbg		4150		

<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

1. MIRU rig.
2. PU 4-3/4" bit and drill 4-3/4" from 4350' to 5500'.
3. POOH w/ bit and drillstring.
4. RIH w/ logs and log from TD to 4300'.
5. RIH w/ 4", 11.3# casing.
6. Cement casing from TD to 4200' w/ 115 sxs Class C cmt.
7. RDMO rig.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name Kanicia Carrillo	<b>OIL CONSERVATION DIVISION</b>
Title Regulatory Analyst	Approved by: <i>Jim W. Green</i>
E-mail Address kcarrillo@conchoresources.com	Title: <i>District II Supervisor</i> Approval Date: <i>4/30/08</i> Expiration Date: <i>7/30/10</i>

Date 04/22/08

Phone 432-685-4332

Conditions of Approval Attached ☐

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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 <b>30-015-32062</b>	<sup>2</sup> Pool Code <b>96210</b>	<sup>3</sup> Pool Name <b>Empire; Glorieta, Yeso</b>
<sup>4</sup> Property Code <b>302569</b>	<sup>5</sup> Property Name <b>State S-19</b>	
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING LLC</b>	
		<sup>6</sup> Well Number <b>21</b>
		<sup>9</sup> Elevation <b>3649</b>

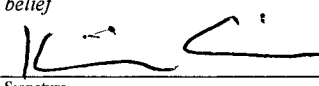
<sup>10</sup> Surface Location

UL or lot no. <b>P</b>	Section <b>19</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>330</b>	North/South line <b>South</b>	Feet from the <b>865</b>	East/West line <b>East</b>	County <b>Eddy</b>
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<sup>11</sup> 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 <b>40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.					

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

				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature <b>Kanicia Carrillo</b> Printed Name <b>Regulatory Analyst</b> Title and E-mail Address <b>04/22/08</b> Date
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>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</i> Referred Original Plat Date of Survey Signature and Seal of Professional Surveyor
				Certificate Number

