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2010 MAR -2 P 4:40

March 2, 2010

Florene Davidson  
New Mexico Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

**Re: In the Matter of the Application of COG Operating, LLC for Authorization to Conduct Injection Operations for Evaluation for Secondary Recovery Operations, Eddy County, New Mexico, NMOCD Case No. 14457**

Dear Ms. Davidson:

Attached for filing is an original and one copy of an Application in the above-referenced matter. I have included an extra copy to be conformed.

Please set this matter for hearing on April 1, 2010. Thank you.

Very truly yours,

Karen Williams  
Assistant to J. Scott Hall

:kw  
Enclosures

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**STATE OF NEW MEXICO**  
**DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES**  
**OIL CONSERVATION DIVISION**

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2010 MAR -2 P 4: 40

**IN THE MATTER OF THE APPLICATION OF COG OPERATING, LLC FOR AUTHORIZATION TO CONDUCT INJECTION OPERATIONS FOR EVALUATION FOR SECONDARY RECOVERY OPERATIONS, EDDY COUNTY, NEW MEXICO.**

CASE NO. 14457

**APPLICATION**

COG Operating, LLC, ("COG"), through its undersigned counsel, Montgomery and Andrews, P.A. (J. Scott Hall, Esq.), applies pursuant to 19.15.26.8 NMAC for an order authorizing the injection of water into the Paddock and Blinebry members of the Glorieta-Yeso formation, Loco Hills Glorieta-Yeso Pool (96718) in Eddy County, New Mexico. In support of its Application, COG states:

1. Applicant is the operator of the following well:

Texaco BE State No. 8  
API No. 30-015-35253  
330' FNL & 2310' FEL (Unit B)  
Section 16  
T-17-S, R-30-E, NMPM  
Eddy County, New Mexico

2. The Texaco BE State No. 8 well is drilled to a plugged-back total depth of 6013' and was originally operated as a producing oil well. COG proposes to convert and utilize the well for injection of water through a closed system into the Paddock and Blinebry formations, Loco Hills Glorieta-Yeso Pool, through perforations within the depths of 4,367' to 4,681' (Paddock) and 4,922' to 5,721' (Blinebry). Data from injection will be utilized to evaluate the feasibility of secondary recovery operations in the referenced formations.

3. Injection operations through the well will be conducted at an anticipated average daily injection pressure of 2,000 psi with a maximum surface injection pressure of 2,000 psi or as permitted by the Division, in excess of a 0.2 psi/ft. gradient. Applicant proposes injection of water at average daily rates of approximately 1,000 bbls and at maximum daily rates of approximately 2,000 bbls. The source of the injected fluids will be formation water from production wells that have been drilled and are scheduled to be drilled in the area.

4. Applicant's proposed injection operation can be conducted in a safe and responsible manner without causing waste, impairing correlative rights or endangering fresh water, public health or the environment.

WHEREFORE, Applicant requests that this Application be set for hearing before a duly appointed examiner of the Oil Conservation Division on April 1, 2010 and that after notice and hearing as required by law, the Division enter its Order approving the conversion of the Texaco BE State No. 8 Well for the injection of water into the Paddock and Blinbry members of the Glorieta-Yeso formation at the intervals and at the pressures, volumes and rates indicated, and making such other and further provisions as the Division determines appropriate.

Montgomery and Andrews, P.A.

By: 

J. Scott Hall, Esq.  
Post Office Box 2307  
Santa Fe, New Mexico 87504  
(505) 982-3873  
(505) 982-4289

Attorneys for COG Operating, LLC

Case No. 14457; Application of COG Operating, LLC for authorization to conduct injection operations for evaluation for secondary recovery operations, Eddy County, ~~New Mexico~~.  
Applicant seeks approval to convert the following well for the injection:

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Texaco BE State No. 8  
API No. 30-015-35253  
330' FNL & 2310' FEL (Unit B)  
Section 16  
T-17-S, R-30-E, NMPM  
Eddy County, New Mexico

COG proposes to convert and utilize the well for injection of water through a closed system into the Paddock and Blinebry members of the Glorieta-Yeso formation, Loco Hills Glorieta-Yeso Pool (96718), through perforations within the depths of 4,367' to 4,681' (Paddock) and 4,922' to 5,721' (Blinebry). Injection operations through the well will be conducted at an anticipated average daily injection pressure of 2,000 psi with a maximum surface injection pressure of 2,000 psi or as permitted by the Division, in excess of a 0.2 psi/ft. gradient. Applicant proposes injection of water at average daily rates of approximately 1,000 bbls and at maximum daily rates of approximately 2,000 bbls. The source of the injected fluids will be formation water from area production wells. The well is located approximately 7 miles northeast of Loco Hills, New Mexico.