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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION OF KEWANEE OIL COMPANY }  
FOR APPROVAL OF A WATERFLOOD }  
PROJECT, ATOKA-GRAYBURG POOL, }  
EDDY COUNTY, NEW MEXICO }

No. 3290

A P P L I C A T I O N

Comes now Kewanee Oil Company, by its attorneys, and applies to the New Mexico Oil Conservation Commission for permission to institute a waterflood project in the Atoka-Grayburg pool, Eddy County, New Mexico, and in support of its application states:

1. Applicant is the operator of the Atoka-Grayburg unit comprising the following lands in T. 18 S., R. 26 E., Eddy County, New Mexico:

Section 13:  $W\frac{1}{2}NE\frac{1}{4}$ ,  $NW\frac{1}{4}SE\frac{1}{4}$ ,  $N\frac{1}{2}SW\frac{1}{4}$ ,  $NW\frac{1}{4}$ .

Section 14:  $E\frac{1}{2}NE\frac{1}{4}$ ,  $SW\frac{1}{4}NE\frac{1}{4}$ ,  $N\frac{1}{2}SE\frac{1}{4}$ .

2. Wells producing from the Grayburg formation on the above described lands are in an advanced state of depletion and are regarded as what is commonly referred to as "stripper" wells.

3. Applicant proposes to waterflood the above described lands by the injection of water into the Grayburg formation through two proposed injection wells to be located in Section 13, T. 18 S., R. 26 E., Eddy County, New Mexico, as follows:

Leavitt Well No. 3, 1650 feet from the north line and 990 feet from the west line.

Leavitt Well No. 11, 990 feet from the north line and 2310 feet from the west line.

4. Attached to and made a part of this application are the following exhibits:

Exhibit "A": Plat showing the location of the Atoka-Grayburg Unit (shaded in gray) and the producing and injection wells thereon.

Exhibit "B": Structure map of the Atoka-Grayburg Unit area contoured on the top of the Premier sand.

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Exhibit "C": Graph of oil production in the Atoka-Grayburg pool.

Exhibit "D": Plat showing ownership and development within a two mile radius of the proposed injection wells.

Exhibit "E": Typical electric log of a well in the Atoka-Grayburg pool showing the top of the Grayburg formation and the top of the Premier Sand.

Exhibits "F" and "G": Schematic diagrams of the proposed injection wells.

5. The proposed waterflood project will prevent waste and protect correlative rights.

WHEREFORE, Kewanee Oil Company requests that this application be set for hearing before the Commission or one of its examiners and that the Commission enter its order approving this application.

SETH, MONTGOMERY, FEDERICI & ANDREWS

By Richard J. Morris  
P. O. Box 2307  
Santa Fe, New Mexico  
Attorneys for Kewanee Oil Company

CERTIFICATE OF MAILING

I hereby certify that a copy of this application, complete with all exhibits referred to therein, has been sent to Mr. Frank Irby, Office of the State Engineer, Capitol Building, Santa Fe, New Mexico, on this 20<sup>th</sup> day of July, 1965.

Richard J. Morris