

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF)
NEWMONT OIL COMPANY FOR AN ORDER)
EXPANDING ITS WEST SQUARE LAKE WATER-)
FLOOD PROJECT BY INCLUDING THEREIN)
THE SE $\frac{1}{4}$ AND S $\frac{1}{2}$ NE $\frac{1}{4}$ OF SECTION 32, THE)
W $\frac{1}{2}$, SE $\frac{1}{4}$, N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 33,)
AND THE S $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$ OF SECTION)
35, ALL IN TOWNSHIP 16 SOUTH, RANGE)
30 EAST; AND THE N $\frac{1}{2}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ AND)
E $\frac{1}{2}$ SW $\frac{1}{4}$ OF SECTION 4, TOWNSHIP 17 SOUTH,)
RANGE 30 EAST, EDDY COUNTY, NEW MEXICO.)

No. 3147

APPLICATION

COMES NOW Applicant, Newmont Oil Company, through its attorney, John F. Russell, and states:

1. Applicant is the operator of its West Square Lake Waterflood Project in Eddy County, New Mexico, which project area is shown on Exhibit 1 which is attached hereto and made a part hereof.

2. Applicant is the operator of the oil and gas leases covering the following described lands which are adjacent to said waterflood project as shown on Exhibit 1:

Township 16 South, Range 30 East
Eddy County, New Mexico

Section 32: SE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$
Section 33: W $\frac{1}{2}$, SE $\frac{1}{4}$, N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$
Section 35: S $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$

Township 17 South, Range 30 East
Eddy County, New Mexico

Section 4: N $\frac{1}{2}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$

3. Applicant seeks to convert the following described wells to water injection wells for the purpose of injecting water

into the Grayburg and San Andres formations at intervals from 2730 feet to 3146 feet, said intervals being more specifically shown on Exhibit 3 attached hereto and made a part hereof: 21 22

Leonard "E" Well No. 1	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33, T16S R30E
Leonard "E" Well No. 3	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33, T16S R30E
Leonard "E" Well No. 8	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4, T17S R30E
Leonard "E" Well No. 13	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4, T17S R30E
Leonard "E" Well No. 16	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4, T17S R30E
Evans "A" Well No. 2	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4, T17S R30E
Evans "A" Well No. 15	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4, T17S R30E
Evans "B" Well No. 8	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33, T16S R30E
Leonard State Well No. 1	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32, T16S R30E
George Etz "A" Well No. 5	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35, T16S R30E

4. Attached hereto, marked Exhibit 2, and made a part hereof is a plat showing the proposed injection wells and all wells and lessees within a radius of two miles thereof.

5. Attached hereto, marked Exhibit 4, and made a part hereof are diagrammatic sketches of the proposed completion of said injection wells.

6. Attached hereto, marked Exhibit 5, and made a part hereof is a graph showing the waterflood performance in Applicant's West Square Lake Waterflood Project.

7. The source of water for injection purposes will be the Yucca Water Company.

8. It is anticipated that water will initially be injected at an estimated rate of 300 barrels per well per day at an injection pressure of 1800 psi, which volume will decrease to approximately 150 barrels per well per day over the life of the flood.

WHEREFORE, Applicant requests the Commission to set this matter down for hearing before its Examiner, publish notice as required by law and, after hearing, issue its order authorizing the

expansion of Applicant's West Square Lake Waterflood Project as requested by this Application, and that allowables be established in accordance with Rule 701.

Respectfully submitted,
NEWMONT OIL COMPANY

By John D. Russell
P.O. Drawer 640
Roswell, New Mexico
Attorney for Applicant

DATED: October 30, 1964