

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF )  
NEWMONT OIL COMPANY FOR AN ORDER FOR )  
THE DESIGNATION OF THE  $W\frac{1}{2}SW\frac{1}{4}$  OF SEC- )  
TION 33, THE  $NW\frac{1}{4}SE\frac{1}{4}$  OF SECTION 28, )  
THE  $SE\frac{1}{4}NW\frac{1}{4}$  AND THE  $SE\frac{1}{4}NE\frac{1}{4}$  OF SECTION )  
34, ALL IN TOWNSHIP 16 SOUTH, RANGE )  
31 EAST, N.M.P.M., IN THE EAST SQUARE )  
LAKE POOL, EDDY COUNTY, NEW MEXICO, AS )  
A BUFFER ZONE ADJACENT TO A WATERFLOOD )  
PROJECT. )

No. 2145

APPLICATION

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

1. Applicant is the operator of the Square Lake water-  
flood project and Order R-1110-D entered in Case No. 2607 designated  
the following described acreage to be included in said waterflood  
project:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM  
EDDY COUNTY, NEW MEXICO

Section 19:  $S\frac{1}{2}SE\frac{1}{4}$   
Section 20:  $S\frac{1}{2}SW\frac{1}{4}$   
Section 28:  $W\frac{1}{2}SW\frac{1}{4}$   
Section 29: All  
Section 30:  $NE\frac{1}{4}$  and  $E\frac{1}{2}SE\frac{1}{4}$   
Section 32:  $N\frac{1}{2}$   
Section 33:  $N\frac{1}{2}$ ,  $SE\frac{1}{4}$  and  $E\frac{1}{2}SW\frac{1}{4}$   
Section 34:  $S\frac{1}{2}$ ,  $W\frac{1}{2}NW\frac{1}{4}$  and  $SW\frac{1}{4}NE\frac{1}{4}$

2. Applicant is the operator of the leases covering the  
following described lands which are adjacent to the above described  
waterflood project:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM  
EDDY COUNTY, NEW MEXICO

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Section 28: NW $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 33: W $\frac{1}{2}$ SW $\frac{1}{4}$   
Section 34: SE $\frac{1}{4}$ NW $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$

3. Attached hereto, marked Exhibit 1, and made a part hereof is a plat showing the Square Lake waterflood project and the location of the lands described in Paragraph 2.

4. Attached hereto, marked Exhibit 2, and made a part hereof is a graph showing the monthly oil production of the wells located on the lands described in Paragraph 2.

5. The wells located on the lands described in Paragraph 2 have received response from the offsetting injection wells located on the waterflood project.

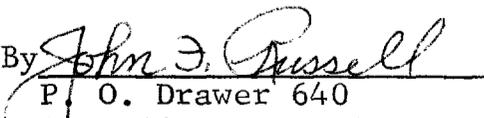
6. Paragraph 9 of Order No. 1110-D entered in Case No. 2607 provides that any future expansions to the said waterflood project area should be considered for inclusion in a buffer zone to be created around the project area.

7. The designation of the lands described in Paragraph 2 as a buffer zone to the Square Lake waterflood project area will prevent waste and will protect correlative rights.

WHEREFORE, Applicant requests the Commission to set this matter down for hearing before an Examiner, to publish its notice as provided by law and, after hearing, to issue its order designating the buffer zone as requested in this Application.

Respectfully submitted,

NEWMONT OIL COMPANY

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

DATED: October 30, 1964