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BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
RESERVE OIL AND GAS COMPANY FOR A
WATERFLOOD PROJECT, LANGLIE MATTIX
POOL, LEA COUNTY, NEW MEXICO.

Case 4403

APPLICATION

COMES RESERVE OIL AND GAS COMPANY, by its attorney,
A. J. Losee, and states:

1. Applicant, pursuant to the terms of the Cooper-
Jal Unit Agreement and Unit Operating Agreement, is designated
as Operator of, among other zones, the lower 250 feet of the
Seven Rivers and the entire Queen formation, comprising the
Langlie Mattix Oil Pool underlying the following lands in
Lea County, New Mexico, which comprise the project area
covered by this application, to-wit:

Township 24 South, Range 36 East, N.M.P.M.

Section 13: S/2
Section 14: SE/4 SE/4
Section 23: S/2 SE/4
Section 24: All
Section 25: N/2
Section 26: NE/4 NE/4

Township 24 South, Range 37 East, N.M.P.M.

Section 18: All
Section 19: W/2
Section 30: NW/4

containing 2,541 acres, more or less.

2. There is attached hereto and by reference made
a part hereof, a plat showing the location of the proposed
injection wells and the location of all other wells and lessees
adjoining the proposed project area.

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3. The applicant proposes to inject water into the lower 250 feet of the Seven Rivers and the entire Queen formation, through 26 injection wells in Lea County, New Mexico, and described as follows:

Township 24 South, Range 36 East, N.M.P.M.

Unit Tract No. 14 - Well No. 2 - Unit I - Section 13
(a dual water injection well)
Unit Tract No. 14 - Well No. 4 - Unit O - Section 13
Unit Tract No. 21 - Well No. 5 - Unit K - Section 13
Unit Tract No. 21 - Well No. 3 - Unit M - Section 13
Unit Tract No. 16 - Well No. 6 - Unit A - Section 24
Unit Tract No. 16 - Well No. 5 - Unit H - Section 24
Unit Tract No. 20 - Well No. 4 - Unit C - Section 24
(a dual water injection well)
Unit Tract No. 4 - Well No. 4 - Unit P - Section 24
Unit Tract No. 25 - Well No. 6 - Unit J - Section 24
Unit Tract No. 25 - Well No. 7 - Unit K - Section 24
Unit Tract No. 19 - Well No. 8 - Unit D - Section 25
Unit Tract No. 19 - Well No. 6 - Unit F - Section 25
Unit Tract No. 26 - Well No. 5 - Unit B - Section 25
Unit Tract No. 26 - Well No. 7 - Unit H - Section 25

Township 24 South, Range 37 East, N.M.P.M.

Unit Tract No. 8 - Well No. 2 - Unit A - Section 18
Unit Tract No. 18 - Well No. 1 - Unit G - Section 18
(a dual completion for water injection and gas production)
Unit Tract No. 9 - Well No. 1 - Unit C - Section 18
Unit Tract No. 10 - Well No. 1 - Unit E - Section 18
Unit Tract No. 7 - Well No. 1 - Unit M - Section 18
(a dual water injection well)
Unit Tract No. 6 - Well No. 1 - Unit K - Section 18
Unit Tract No. 11 - Well No. 1 - Unit O - Section 18
Unit Tract No. 22 - Well No. 1 - Unit I - Section 18
Unit Tract No. 5 - Well No. 8 - Unit C - Section 19
Unit Tract No. 5 - Well No. 1 - Unit E - Section 19
(a dual water injection well)
Unit Tract No. 2 - Well No. 3 - Unit K - Section 19
(a dual water injection well)
Unit Tract No. 1 - Well No. 5 - Unit D - Section 30

Five of the injection wells are proposed to be utilized for dual injection into the Jalmat zone and the Langlie Mattix zone. One of the wells is proposed to be completed as a dual well with injection into the Langlie Mattix and production from the Jalmat Pool. These dual wells are noted in the above schedule.

4. That all of the wells in the project area are in an advanced state of depletion and should be classified as "stripper" wells.

5. There is attached hereto and by reference made a part hereof, a diagrammatic sketch of a typical singly completed injection well and a diagrammatic sketch of a typical dually completed injection well.

6. There is attached hereto and by reference made a part hereof, a typical well log of a proposed injection well in the project area.

7. Injection of water purchased from Skelly Oil Company water system is proposed to be made at the rate of approximately 350 barrels per day per injection well at a pressure of approximately 1200 psi.

8. Applicant proposes to conduct this waterflood project under the allowable provisions of Rule 701 of the Commission.

9. The proposed waterflood project will prevent waste in that it will result in the recovery of oil that would not otherwise be recovered in the project area.

WHEREFORE, applicant prays:

A. That this matter be set for hearing before an examiner duly appointed by the Commission, and that due public notice be given as required by law.

B. That an order be entered authorizing the institution of the aforesaid waterflood project in the Langlie Mattix Oil Pool, and for such other relief as may be just in the premises.

DATED this July 17, 1970.

RESERVE OIL AND GAS COMPANY

By: _____

A handwritten signature in black ink, appearing to read "A. J. Losee", written over a horizontal line.

A. J. Losee

Attorney at Law

P. O. Drawer 239

Artesia, New Mexico 88210