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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, SOUTH LANGLIE-
MATTIX POOL, LEA COUNTY, NEW MEXICO.

Case 4406

APPLICATION

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

1. Applicant, pursuant to the terms of the South
Langlie Jal Unit Agreement and Unit Operating Agreement, is
designated as Operator of the Seven Rivers and Queen formations,
comprising a portion of 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 25 South, Range 37 East, N.M.P.M.

- Section 7: SW/4 NE/4, E/2 SW/4, SE/4
- Section 8: SW/4
- Section 17: W/2
- Section 18: E/2

All for

containing 1,080 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.

3. The applicant proposes to inject water into the
Seven Rivers and Queen formations through 13 injection wells
in Lea County, New Mexico, and described as follows:

Township 25 South, Range 37 East, N.M.P.M.

- Unit Tract No. 1 - Well No. 1 - Unit G - Section 7
- Unit Tract No. 2 - Well No. 4 - Unit K - Section 7
- Unit Tract No. 3 - Well No. 2 - Unit O - Section 7

*top of
to 150
of Queen
7R down
above base*

DOCKET NUMBER

Date 8-6-70

Unit Tract No. 3 - Well No. 4 - Unit I - Section 7
Unit Tract No. 4 - Well No. 2-D - Unit G - Section 18
Unit Tract No. 5 - Well No. 2-E - Unit A - Section 18
Unit Tract No. 6 - Well No. 1 - Unit I - Section 18
Unit Tract No. 7 - Well No. 2 - Unit K - Section 8
Unit Tract No. 7 - Well No. 5 - Unit M - Section 8
Unit Tract No. 8 - Well No. 3 - Unit C - Section 17
Unit Tract No. 8 - Well No. 4 - Unit E - Section 17
Unit Tract No. 9 - Well No. 1 - Unit K - Section 17
Unit Tract No. 10 - Well No. 2-D - Unit M - Section 17

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 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 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.

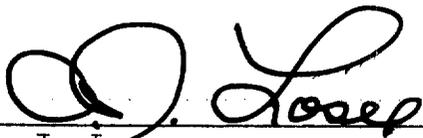
9. The proposed waterflood project will prevent waste in that it will result in the recovery of oil that would not otherwise be recovered in the project area.

WHEREFORE, applicant prays 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, that an order be entered authorizing the institution of the aforesaid

waterflood project in the South 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. J. Losee
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