

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF YATES DRILLING COMPANY FOR A
WATERFLOOD PROJECT, ARTESIA FIELD,
EDDY COUNTY, NEW MEXICO.

Case 5031

APPLICATION

COMES YATES DRILLING COMPANY by its attorneys, LOSEE
& CARSON, P.A., and states:

1. Applicant, pursuant to the terms of the Artesia
Metex Unit Agreement and Unit Operating Agreement, is desig-
nated as operator of the Grayburg formation comprising the
project area covered by this application and underlying the
following lands in Eddy County, New Mexico:

Township 18 South, Range 27 East, N.M.P.M.

Section 24: S/2 NE/4, NW/4 NE/4, S/2
Section 25: N/2, SW/4, N/2 SE/4, SW/4 SE/4
Section 26: E/2 NE/4, E/2 SE/4, SW/4 SE/4
Section 35: N/2 NE/4
Section 36: N/2 NW/4

Township 18 South, Range 28 East, N.M.P.M.

Section 19: Lots 2, 3 and 4, E/2 SW/4,
W/2 SE/4, NE/4 SE/4
Section 30: Lots 1 and 2, E/2 NW/4, W/2 NE/4,
NE/4 SW/4

containing 2,016.93 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. Applicant proposes to inject water into the
Grayburg formation through 14 injection wells described as
follows:

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7-13-73

Township 18 South, Range 27 East, N.M.P.M.

Depco Eddy "CL" No. 1, Unit A, Section 35
Depco Hester No. 2, Unit C, Section 36
Depco State 648 No. 116, Unit L, Section 25
Depco State 648 No. 111, Unit O, Section 25
Depco State 648 No. 108, Unit H, Section 25
Depco Eddy "CK" No. 1, Unit A, Section 26
Kersey-McGurt "K" No. 1, Unit K, Section 24
Yates Drilling Company "BW" No. 12, Unit I,
Section 24
Yates Drilling Company State "D" No. 1,
Unit P, Section 24
Yates Drilling Company State "E" No. 3,
Unit C, Section 25

Township 18 South, Range 28 East, N.M.P.M.

Kersey "MRY" No. 2, Unit E, Section 30
Depco State 647 No. 96, Unit C, Section 30
Depco State 647 No. 97, Unit K, Section 30
Yates Drilling Company Gulf State No. 1,
Unit K, Section 19

4. That all of the wells in the project area are in 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 proposed completed injection well.

6. There is attached hereto and by reference made a part hereof a copy of a typical electric log on one of the proposed injection wells.

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

8. Applicant may need to place additional wells in the project area on injection and a procedure should be authorized for administrative approval of any such wells.

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 and correlative rights will be protected.

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 Artesia pool, establishing a procedure for administrative approval for the conversion to injection of additional wells within the project area.

C. For such other relief as may be just in the premises.

DATED this 9 day of July, 1973.

YATES DRILLING COMPANY

By: 

A. J. Losee for

LOSEE & CARSON, P.A.
P. O. Drawer 239
Artesia, New Mexico 88210

Attorneys for Applicant