

RECEIVED
16 AUG 29 AM

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

Application of

PENNZOIL COMPANY

for a Water Flood Project,
Lea County, New Mexico

Case No. 3459

_____ /

A P P L I C A T I O N

COMES NOW the applicant, Pennzoil Company, by and through its attorneys, Rhodes, McCallister & Durrett, and respectfully states:

I.

The applicant is the operator of the following described leases in Township 17 South, Range 33 East, NMPM, Lea County, New Mexico:

(a) Phillips State Lease comprising the South Half, Northwest Quarter, and Southwest Quarter Northeast Quarter of Section 28.

(b) Phillips Federal Lease comprising the North Half Northeast Quarter and Southeast Quarter Northeast Quarter of Section 33.

II.

The applicant seeks authority to institute a water flood project in the Maljamar pool by the injection of water into the Grayburg-San Andres formation through the following described wells:

Section 33

(a) Phillips Federal Well No. 2Y located 330 feet from the North line and 650 feet from the East line.

(b) Phillips Federal Well No. 3 located 1980 feet from the North line and 660 feet from the ~~West~~ line.

EAST

Section 28

- (a) Phillips State Well No. 2 located 1980 feet from the South line and 660 feet from the West line.
- (b) Phillips State Well No. 4 located 330 feet from the North line and 330 feet from the West line.
- (c) Phillips State Well No. 6 located 1980 feet from the West line and 2310 feet from the North line.
- (d) Phillips State Well No. 8 located 660 feet from the South line and 1980 feet from the West line.
- (e) Phillips State Well No. 10 located 1650 feet from the East line and 1650 feet from the South line.
- (f) Phillips State Well No. 13 located 660 feet from the South line and 660 feet from the East line.

III.

The applicant proposes to inject between 300 and 400 barrels of water per day into each injection well through plastic lined tubing installed in a packer with injection pressure of approximately 2500 pounds.

IV.

The applicant proposes to utilize Ogallala water for injection and to purchase said water from Double Eagle Water Company.

V.

A plat showing the location of the proposed injection wells, the location of all other wells within a radius of 2 miles, the formation from which said wells are producing or have produced, and lessees within a 2 mile radius is attached hereto as Exhibit "A" and incorporated herein by reference.

VI.

A diagrammatic sketch and log of each injection well is attached hereto as Exhibits "B" through "I" and incorporated herein by reference.

VII.

The wells within the proposed project area have reached an advanced state of depletion and should be classified as "stripper wells."

VIII.

The proposed water flood project should be governed by Rule 701E of the Commission Rules and Regulations.

IX.

The proposed water flood project will result in greater ultimate recovery of oil, prevent waste, and protect correlative rights.

WHEREFORE, the applicant requests the Commission to enter its order approving the proposed water flood project.

Rhodes, McCallister & Durrett

By *JM Durrett*

I certify that a copy of the foregoing application complete with all attachments has been mailed to the State Engineer, Capital Building, Santa Fe, New Mexico, this 26th day of August, 1966.

By *JM Durrett*