

BEFORE THE OIL CONSERVATION COMMISSION
OF THE
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
CONTINENTAL OIL COMPANY FOR AUTHORITY
TO INSTALL AND OPERATE A WATERFLOOD
PROJECT ON ITS DONOHUE, HEARD AND
LEVERS "B" LEASES IN THE FOREST-SAN
ANDRES POOL LOCATED IN SECTIONS 34 AND
35, TOWNSHIP 16 SOUTH, RANGE 29 EAST,
EDDY COUNTY, NEW MEXICO

Case 4/25

A P P L I C A T I O N

Comes now Applicant, Continental Oil Company, and respectfully
requests authority to install and operate a waterflood on its Donohue, Heard,
and Levers "B" leases in the Forest-San Andres Pool, located in Sections 34
and 35, T16S, R29E, Eddy County, New Mexico, and in support thereof Applicant
would show:

1. That the attached plat, marked Exhibit 1, shows the leases and wells in the Forest-San Andres Pool and surrounding area.
2. That production from the Forest-San Andres Pool is at an advanced stage of depletion and that recovery by primary methods is at or near the economic limit.
3. That engineering investigations indicate that waterflooding the Forest-San Andres Pool will be physically and economically feasible.
4. That applicant proposes to inject water into the following wells:

<u>Well</u>	<u>Location</u>
✓ Donohue No. 3	Unit J-34-16S-29E ✓
✓ Donohue No. 4 (to be drilled)	Unit F-35-16S-29E
✓ Heard No. 1	Unit L-35-16S-29E
✓ Heard No. 4	Unit N-35-16S-29E
✓ Levers "B" No. 1	Unit H-34-16S-29E
✓ Levers "B" No. 3	Unit B-34-16S-29E
✓ Levers "B" No. 4	Unit D-35-16S-29E
✓ Levers "B" No. 8	Unit P-34-16S-29E
✓ Levers "B" No. 10	Unit N-34-16S-29E
✓ Levers "B" No. 14	Unit F-34-16S-29E

5. That the proposed injection wells will be equipped as shown on the tabulation of injection well data attached hereto and marked Exhibit 2, and on the schematic diagrams attached hereto and marked Exhibits 2-1 through 2-10.

6. That applicant proposes to inject a total of approximately 2,000 barrels of fresh water per day into the 10 proposed injection wells on an 80-acre five-spot pattern. Said water will be purchased from an outside supplier.
7. That the said waterflood will be installed and operated in conformance with Rules 701E.
8. That the proposed secondary recovery will result in the recovery of hydrocarbons which would not be recovered by primary methods and is therefore in the interest of conservation and prevention of waste.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing before the Commission's duly appointed Examiner and that upon hearing, an order be entered granting authority to install and operate a waterflood within the Forest-San Andres Pool as described hereinabove.

Respectfully submitted,



L. P. THOMPSON
Division Manager
Hobbs Division