

Case 359

J. O. SETH
A. K. MONTGOMERY
OLIVER SETH
WM. FEDERICI
FRANK ANDREWS
FRED C. HANNAHS
GEORGE A. GRAHAM, JR.

SETH, MONTGOMERY, FEDERICI & ANDREWS

ATTORNEYS AND COUNSELORS AT LAW
301 DON GASPAR AVENUE
SANTA FE, NEW MEXICO

POST OFFICE BOX 828
TELEPHONE YU 3-7315

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Oil Conservation Commission
Santa Fe, New Mexico

Re: Application of Shell Oil
Company for Pilot Water Flood
Test - Townsend Wolfcamp Field
(south area) Lea County.

Gentlemen:

Application is hereby made for permission to undertake a pilot water flood test in the south area of the Townsend Wolfcamp Field. It is planned that the test commence with a single injection well, and this well to be Texas Pacific Coal & Oil State J No. 2, located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 10, Township 16 South, Range 35 East, N.M.P.M.

The injection initially would be through perforations in the Wolfcamp intervals 10,552 to 10,557 feet and 10,574 to 10,581 feet and 10,586 to 10,592 feet.

The test will be carried out in cooperation with other operators and will be to evaluate the feasibility of a peripheral water flood.

It would be appreciated if this matter could be set down for hearing.

Yours truly,

SHELL OIL COMPANY

By Oliver Seth
Its Attorney

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