

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

IN RE: APPLICATION OF ANNE BURNETT WINDFOHR,)
d/b/as WINDFOHR OIL COMPANY, FOR AUTHORITY)
TO INSTITUTE A WATER FLOOD PROJECT BY IN-)
JECTING WATER INTO THE SAN ANDRES FORMATION)
IN APPLICANT'S WELLS LOCATED IN SECTIONS 11,)
12, 13, 14, 23 and 24, TOWNSHIP 17 SOUTH,)
RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW)
MEXICO.)

Case No. 3592

A P P L I C A T I O N

COMES NOW Anne Burnett Windfohr, an individual, d/b/as Windfohr Oil Company, and hereby makes application for authority to institute a water flood project in Sections 11, 12, 13, 14, 23 and 24, Township 17 South, Range 30 East, N.M.P.M., by injection of fresh water in the San Andres Formation under said lands, and, in support of this application, states:

1. The lands involved in this application in Sections 11, 12, 13, 14, 23 and 24, Township 17 South, Range 30 East, N.M.P.M., Eddy County, New Mexico, are Federal lands, and, as shown by the attached Exhibit "1", applicant owns Federal oil and gas leases covering said lands. Applicant seeks an Order for authority to institute a water flood project, which will be a secondary recovery project because the wells on applicant's leases have been essentially depleted by primary means since the average oil production per well, per day, in the project area, is 3 barrels.

2. That applicant seeks immediate authority for the injection of water into the San Andres Formation through 8 wells, shown in red on Exhibit "1" attached hereto, as follows:

PILOT STAGE: (All located in T17S-R30E)

Wells to be converted to injection wells:

Gissler A Lease - No. 4 well - SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14
Gissler A Lease - No. 9 well - SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14
Gissler B Lease - No. 2 well - NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 24
Jackson A Lease - No. 3X well - NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 13
Stevens A Lease - No. 2 well - NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13
Stevens A Lease - No. 3 well - SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 13
Stevens A Lease - No. 5 well - SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13

New injection well to be drilled:

Stevens B Lease - No. 3 well - NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 13

Applicant also seeks authority in the future to expand said water flood project, by administrative approval, by injection of water into the San Andres Formation through 17 additional wells shown in blue in Exhibit "1" attached hereto as follows:

EXPANSION STAGE: (All located in T17S-R30E)

Wells to be converted to injection wells:

Gissler A Lease - No. 2 well - SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 12
Gissler A Lease - No. 3 well - SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 14
Gissler A Lease - No. 8 well - NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 23
Gissler A Lease - No. 10 well - NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14
Gissler A Lease - No. 11 well - SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14
Gissler B Lease - No. 1 well - NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 14
Jackson A Lease - No. 2 well - Center NE $\frac{1}{4}$ Section 13
Jackson A Lease - No. 8 well - SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 13
Jackson A Lease - No. 9 well - NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24
Jackson A Lease - No. 11 well - SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13
Jackson A Lease - No. 12 well - SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 12
Jackson A Lease - No. 15 well - NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 12
Jackson B Lease - No. 2 well - SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24

New injection wells to be drilled (Name and/or No. to be designated in future):

Gissler A Lease - NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 23
Gissler A Lease - SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11
Jackson A Lease - SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 12
Jackson B Lease - SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 24

3. That the formation to be flooded is the San Andres Formation found at an approximate depth of from 3000 feet beneath

the surface to an approximate depth of 3400 feet beneath the surface under the project lands.

4. That there are attached hereto and made a part hereof the following Exhibits, to wit:

Exhibit "1" is a plat showing the locations of the proposed injection wells, with the injection wells in the Pilot Stage being marked in red and the injection wells in the proposed Expansion Stage being marked in blue, the locations including both wells to be converted and wells to be drilled as injection wells. Said wells have been producing from the San Andres Formation.

Exhibit "2" is an ownership map showing all other wells within a radius of 2 miles from the proposed water flood project.

Exhibit "3" is a diagrammatic sketch of the proposed injection wells.

Logs of the proposed injection wells are not available.

5. The kind of fluid to be injected will be fresh water purchased from Yucca Water Company, and the anticipated volume to be injected is 500 barrels per injection well, per day.

6. That a complete copy of this application, together with all of the Exhibits, has been forwarded to the office of the State Engineer, Capitol Building, Santa Fe, New Mexico, as is shown by the certificate attached hereto.

7. That applicant's lands, for which authority is sought for the water flood project, are being unitized as the "Grayburg-Jackson (San Andres) Unit", by appropriate application to, and proceedings through, the United States Geological Survey, and, accordingly, a Water Flood Unit Allowable is requested.

8. That applicant is filing this application in accordance with the provisions of Rule 701, and applicant requests an allowable to be assigned, as provided in said Rule 701.

WHEREFORE, applicant requests a hearing before an Examiner, and requests authority for said water flood project, under Rule 701.

ANNE BURNETT WINDFOHR, d/b/as
WINDFOHR OIL COMPANY

by
WATSON AND WATSON

Fred A. Watson
Attorneys for Applicant,
P. O. Drawer E,
Artesia, New Mexico.

CERTIFICATE

I do hereby certify that, on the 3rd day of May, 1967, I mailed a true and complete copy of this Application, together with all exhibits, to the Office of the State Engineer, Capitol Building, Santa Fe, New Mexico, and that I delivered two true and complete copies, together with all exhibits, to the United States Geological Survey Office, in Artesia, New Mexico.

Fred A. Watson