

BEFORE THE
OIL CONSERVATION COMMISSION OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF BTA OIL PRODUCERS FOR EXPANSION
OF A PRESSURE MAINTENANCE PROJECT,
LEA COUNTY, NEW MEXICO.

Case 4555-

A P P L I C A T I O N

Comes now BTA Oil Producers and applies to the Oil Conservation Commission of New Mexico for approval of the expansion of its pilot pressure maintenance project in the Vada-Pennsylvanian Pool, Lea and Roosevelt Counties, New Mexico, and in support thereof would show the Commission:

1. By its Order No. R-4098, entered February 8, 1971, the Commission approved a pilot pressure maintenance project in the Vada-Pennsylvanian Pool by the injection of water into the Bough "C" zone of the Pennsylvanian formation through its 685 Ltd. Bond Well No. 5, located in the NW/4 SW/4 of Section 4, Township 9 South, Range 36 East, N.M.P.M., Lea County, New Mexico;

2. Said order made provision for the expansion of the pressure maintenance project by an administrative procedure, for injection in additional wells of air, gas or water, but because of the manner of injection, as hereinafter stated, this application will require notice and hearing before the Commission or its duly appointed examiner.

3. Applicant proposes to add three additional injection wells to the pilot project, as follows:

The 685 Ltd. Bond Well No. 2, located 1980 feet from the South line and 660 feet from the West line of Section 5, Township 9 South, Range 36 East, N.M.P.M.

The 685 Ltd. Bond Well No. 4, located 1980 feet from the South line and 1980 feet from the East line of Section 4, Township 9 South, Range 36 East, N.M.P.M.

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The 685 Ltd. Northcott Well No. 3, located 660 feet from the North line and 710 feet from the East line of Section 5, Township 9 South, Range 36 East, N.M.P.M.

4. Applicant has, under the provisions of Order No. R-4098, injected water in the 685 Ltd. Bond Well No. 5 for the past four and one-half months, and has accomplished all that is possible by injection through this one well, and the additional injection wells are necessary to fully evaluate the pressure maintenance project.

5. Applicant further seeks authority to utilize as a water source, the Bough "D" formation, approximately 100 feet below the Bough "C" zone of the Pennsylvanian formation for injection of water into the three additional injection wells, utilizing the reservoir energy of the Bough "D" formation to accomplish injection into the Bough "C" formation, which will not require lifting the water to the surface prior to re-injection.

6. All of the above three proposed injection wells are located within the project area approved by Commission Order No. R-4098.

7. Approval of this application is in the interests of conservation, will result in the possible recovery of oil that would not otherwise be recovered, and will prevent waste, and correlative rights will be protected.

WHEREFORE applicant prays that this application be set for hearing before the Commission or the Commission's duly appointed examiner, and that after notice and hearing as required by law, the Commission enter its order approving expansion of the pilot pressure maintenance project as

prayed for.

Respectfully submitted,

BTA OIL PRODUCERS

By Jason W. Kellahin
JASON W. KELLAHIN

KELLAHIN & FOX
P. O. Box 1769
Santa Fe, New Mexico 87501
ATTORNEYS FOR APPLICANT