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BEFORE THE OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF)
GENERAL AMERICAN OIL COMPANY OF TEXAS)
FOR AN ORDER AUTHORIZING THE INJECTION)
OF WATER INTO THE QUEEN FORMATION FOR)
THE PURPOSE OF SECONDARY RECOVERY IN)
SECTIONS 11, 12, 13 and 14, TOWNSHIP)
16 SOUTH, RANGE 29 EAST, IN THE HIGH)
LONESOME POOL, EDDY COUNTY, NEW MEXICO.)
_____)

Case No. 2155

A P P L I C A T I O N

COMES NOW General American Oil Company of Texas by its attorney, John F. Russell, and states:

1. It is the owner and operator of the working interest covering the Queen Formation underlying Sections 11, 12, 13 and 14, Township 16 South, Range 29 East, in the High Lonesome Pool, Eddy County, New Mexico.

2. It proposes to commence the injection of water in the Queen Formation between the intervals of 1,990 feet to 2,140 feet.

3. It proposes to conduct a peripheral flood project in three stages. The injection wells for the first stage of such peripheral flood are described as follows:

First Stage

- (1) Bosworth No. 3 in 14-16S-29E - 990' from South line and 2310' from East line
- (2) Brewer No. 24 in 13-16S-29E - 1980' from South line and 1980 from West line
- (3) Brewer No. 27 in 14-16S-29E - 990' from South line and 660' from West line

Within approximately three months of the commencement of the initial stage, it proposes to add the following injection wells:

Second Stage

- (4) Brewer No. 2 in 12-16S-29E - 660' from South line and 660' from West line
- (5) Brewer No. 14 in 13-16S-29E - 1980' from North line and 1980' from East line
- (6) Brewer No. 19 in 12-16S-29E - 660' from South line and 1980' from East line
- (7) Brewer No. 20 in 14-16S-29E - 660' from North line and 1980' from West line
- (8) Brewer No. 25 in 13-16S-29E - 660' from North line and 990' from East line

In the event the peripheral development proves feasible, Applicant then proposes to add the following injection wells:

Third Stage

- (9) Brewer No. 3 in 14-16S-29E - 660' from North line and 1980' from East line
- (10) Brewer No. 8 in 11-16S-29E - 660' from South line and 660' from East line
- (11) Brewer No. 12 in 13-16S-29E - 1980' from South line and 660' from West line
- (12) Brewer No. 15 in 12-16S-29E - 660' from South line and 1980' from West line
- (13) Brewer No. 21 in 14-16S-29E - 660' from North line and 660' from West line
- (14) Brewer No. 23 in 14-16S-29E - 660' from South line and 1980' from West line
- (15) Brewer No. 26 in 12-16S-29E - 660' from South line and 990' from East line
- (16) Bosworth No. 4 in 14-16S-29E - 990' from South line and 990' from East line

In the event, after the completion of the Second Stage, the peripheral waterflood development does not prove feasible, Applicant proposes to change to a pattern flood using the above described injection wells for Stages One and Two and adding as injection wells in the pattern flood the following wells:

Pattern

- (1) Bosworth No. 1 in 14-16S-29E - 1980' from South line and 660' from East line
- (2) Brewer No. 1 in 14-16S-29E - 660' from North line and 660' East line
- (3) Brewer No. 5 in 14-16S-29E - 1980' from North line and 1980' from East line
- (4) Brewer No. 7 in 13-16S-29E - 1980' from North line and 660' from West line
- (5) Brewer No. 9 in 13-16S-29E - 660' from North line and 1980' from West line
- (6) Brewer No. 13 in 14-16S-29E - 1980' from North line and 660' from West line
- (7) Brewer No. 18 in 14-16S-29E - 1980' from South line and 1980' from West line

4. Applicant attaches hereto as Exhibit 1 a plat showing the location of the injection wells for Stage One and also showing the location of all other wells within a radius of two miles from said proposed injection wells and the lessees within said two mile radius.

5. It attaches hereto as Exhibit 2 a copy of the well log for each of the initial proposed injection wells and the record of the casing program of said proposed injection wells.

6. Applicant proposes to flood the Queen Formation at depths ranging from 1,990 feet to 2,140 feet from the surface at an approximate minimum rate of 300 barrels of water per day per well and an approximate maximum of 600 barrels of water per well per day. The water used will be purchased from Caprock Water Company.

WHEREFORE, Applicant requests that the Commission set this matter down for hearing before its examiner, publish notice as required by law, and after hearing, issue its order authorizing the injection of water as aforesaid.

Respectfully submitted,

GENERAL AMERICAN OIL COMPANY OF TEXAS

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