

DEC 13 1965

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF)
GENERAL AMERICAL OIL COMPANY OF TEXAS)
FOR AN ORDER AMENDING ORDER No. R-2327)
ENTERED IN CASE No. 2639 TO EXPAND SAID)
WATERFLOOD PROJECT TO ADD FOURTEEN ADDI-)
TIONAL WATER INJECTION WELLS IN THE)
GRAYBURG-KEELY ZONE OF THE SAN ANDRES)
FORMATION IN THE GRAYBURG-KEELY UNIT)
FOR THE PURPOSE OF THE SECONDARY RECOVERY)
OF OIL IN SECTIONS 23 AND 26, TOWNSHIP)
17 SOUTH, RANGE 29 EAST, EDDY COUNTY,)
NEW MEXICO.)

No. 3358

APPLICATION

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

1. Applicant General American Oil Company of Texas was authorized by Order No. R-2327 entered in Case No. 2639 on October 3, 1962, to commence a pilot waterflood project in the Grayburg-Keely Zone of the San Andres Formation in the Grayburg-Jackson Pool by the injection of water through its Keely B Well No. 13 located 1345 feet from the north line and 1295 feet from the east line of Section 26, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico.

2. It proposes to conduct an expanded waterflood project in a peripheral manner with the following wells being used for injection wells:

- | | |
|---------------|--|
| Keely B No. 4 | NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 26 |
| Burch C No. 8 | SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 23 |
| Burch C No. 7 | NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 23 |
| Burch B No. 8 | SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 23 |
| Burch B No. 7 | SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 23 |

Burch C No. 2	SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 23	
Burch C No. 1	SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 23	
Keely B No. 13	SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 26	(Approved by Order R-2327)
Keely C No. 9	SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 26	
Keely C No. 14	SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 26	

In the event that the peripheral flood does not efficiently recover the oil in the reservoir, Applicant seeks permission to increase the efficiency thereof by adding the following injection wells:

Keely C No. 1	NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 26
Burch B No. 4	SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 23
Burch C No. 6	SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 23

In the event that Stage 1 and Stage 2 combined do not efficiently recover the oil in the reservoir, Applicant seeks permission to add Stage 3 to its waterflood program by adding the following wells:

Burch B No. 5	NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 23
Keely B No. 1	NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 26

3. Applicant attaches hereto as Exhibit No. 1 a plat showing the location of the proposed injection wells and the location of all other wells within a radius of two miles from said proposed injection wells and the formation from which said wells are producing or have produced. The plat also indicates the lessees within said two-mile radius.

4. Applicant attaches hereto as Exhibit No. 2 a graph showing the response in the pilot waterflood project from injection of water.

5. Applicant attaches hereto as Exhibit No. 3 a diagrammatic sketch of a typical injection well to be used showing all casing strings, including diameters and setting depths, quantities used and tops of cement, perforated or open hole intervals, tubing

strings, including diameters and setting depths, and the type and location of the packer.

6. Applicant attaches hereto as Exhibit No. 4 the available information covering all proposed injection wells.

7. The water to be used in the waterflood project will be purchased from the Double Eagle Corporation and it is fresh water.

8. A copy of this Application, complete with all attachments, has been delivered to Mr. Frank Irby in the Office of the State Engineer, Santa Fe, New Mexico.

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 waterflood project as aforesaid.

Respectfully submitted,

GENERAL AMERICAN OIL COMPANY
OF TEXAS

By *John D. Russell*
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Applicant's Attorney