

*Entered April 15, 1957*  
*A.H.P.*

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 1195  
Order No. R-972

APPLICATION OF GRARIDGE CORPORATION;  
GULF OIL CORPORATION, AND GREAT WESTERN  
DRILLING COMPANY FOR AN ORDER AUTHORIZING  
A PILOT WATER FLOOD PROJECT IN THE QUEEN  
FORMATION OF THE CAPROCK-QUEEN POOL, LEA  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on January 9, 1957, at Santa Fe, New Mexico, before Warren W. Mankin, Examiner duly appointed by the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 5<sup>th</sup> day of April 1957, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Warren W. Mankin, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this case and the subject matter thereof.
- (2) That the applicants, Graridge Corporation, Gulf Oil Corporation, and Great Western Drilling Company, propose to institute a pilot water flood operation in the Queen formation underlying certain of their leases in all or part of Section 31, Township 12 South, Range 32 East, and Sections 5 and 6, Township 13 South, Range 32 East, Caprock-Queen Pool, Lea County, New Mexico.
- (3) That the applicants propose to accomplish the said flooding operation by means of water injection through six of their wells located in the S/2 of Section 31, Township 12 South, Range 32 East, the NE/4 of Section 6 and the NW/4 of Section 5, Township 13 South, Range 32 East, NMPM, Lea County, New Mexico.
- (4) That the applicants have obtained authority from the State Engineer for the State of New Mexico to use fresh water in limited quantities until June 30, 1958, for the operation of the subject pilot water flood project.



(5) That the proposed program for secondary recovery will promote conservation and tend to prevent waste through the production of oil which might not otherwise be recovered.

(6) That the progress of the secondary recovery program should be reported periodically to the Commission.

IT IS THEREFORE ORDERED:

1. That the application of Graridge Corporation, Gulf Oil Corporation, and Great Western Drilling Company for permission to institute a pilot water flood in the Queen formation of the Caprock-Queen Pool underlying all or portions of Section 31, Township 12 South, Range 32 East, Sections 5 and 6 of Township 13 South, Range 32 East, NMPM, Lea County, New Mexico, be and the same is hereby granted.

2. That the following wells be and the same are hereby approved as water injection wells in the above Pilot Water Flood Project:

Graridge - Malco State "A" Well No. 5	660 feet from the South line and 1980 feet from the West line of Section 31, Township 12 South, Range 32 East, NMPM.
Graridge-Livermore Maxwell State "G" Well No. 5	1980 feet from the South line and 1980 feet from the East line of Section 31, Township 12 South, Range 32 East, NMPM.
Graridge-Livermore Maxwell State "G" Well No. 7	660 feet from the South line and 660 feet from the East line of Section 31, Township 12 South, Range 32 East, NMPM.
Graridge-Manry State "A" No. 2	654 feet from the North line and 1982 feet from the East line of Section 6, Township 13 South, Range 32 East, NMPM.
Gulf-Lea State "B" Well No. 2	1980 feet from the North line and 660 feet from the East line of Section 6, Township 13 South, Range 32 East, NMPM.
Great Western-State "R" Well No. 1	660 feet from the North line and 660 feet from the West line of Section 5, Township 13 South, Range 32 East, NMPM,

all in Lea County, New Mexico.



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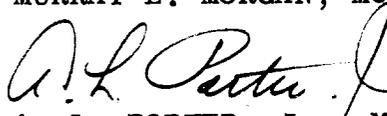
3. That monthly progress reports on the subject water flood project shall be submitted to the Commission in accordance with Rule 1119 of the Commission Rules and Regulations.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
MURRAY E. MORGAN, Member

  
A. L. PORTER, Jr., Member & Secretary

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