

**BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO**

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

CASE No. 3356  
Order No. R-3017

**APPLICATION OF SHELL OIL COMPANY  
FOR A WATERFLOOD PROJECT, EDDY  
COUNTY, NEW MEXICO.**

**ORDER OF THE COMMISSION**

**BY THE COMMISSION:**

This cause came on for hearing at 9 o'clock a.m. on December 14, 1965, at Santa Fe, New Mexico, before Examiner Elvis A. Uts.

NOW, on this 16th day of December, 1965, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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 cause and the subject matter thereof.

(2) That the applicant, Shell Oil Company, seeks permission to institute a waterflood project in the North Square Lake Premier Unit Area, North Square Lake Grayburg-San Andres Pool, by the injection of water into the Premier Sand of the Grayburg formation through thirteen injection wells in Sections 5, 6, and 8, Township 16 South, Range 31 East, NMPM, Eddy County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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IT IS THEREFORE ORDERED:

(1) That the applicant, Shell Oil Company, is hereby authorized to institute a waterflood project in the North Square Lake Premier Unit Area, North Square Lake Grayburg-San Andres Pool, by the injection of water into the Premier Sand of the Grayburg formation through the following-described wells in Township 16 South, Range 31 East, NMPM, Eddy County, New Mexico:

WELL	SECTION	UNIT
Shell Trigg Federal No. 1	5	S
Shell Trigg Federal No. 2	6	P
Shell Trigg Federal No. 4	5	V
Shell Trigg Federal No. 6	6	Q
Shell Trigg Federal No. 8	6	X
Shell Trigg Federal No. 10	6	J
Mobil PV No. 1	5	Q
Mobil PV No. 3	5	M
Mobil PV No. 4	5	N
Mobil PV No. 5	8	D
Mobil C No. 8	5	X
Leonard Midwest Inv. No. 1	8	B
(To be drilled)	6	V

(2) That the subject waterflood project is hereby designated the Shell North Square Lake Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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



STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Jack M. Campbell*  
JACK M. CAMPBELL, Chairman

*Guyton B. Hays*  
GUYTON B. HAYS, Member

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