



STATE OF NEW MEXICO  
STATE ENGINEER OFFICE  
SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

July 27, 1966

ADDRESS CORRESPONDENCE TO:  
STATE CAPITOL  
SANTA FE, NEW MEXICO 87501

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Mobil Oil Corporation which seeks authority to institute a waterflood project within the Northeast Square Lake Premier Unit Area in Eddy County.

I have examined the application and exhibits submitted therewith and it appears that no threat of contamination to the fresh waters which may exist in the area will occur, provided the packers are properly set at the proper depth. Therefore, this office offers no objection to the granting of Mobil's application, provided the tension packers on the ends of the tubing are properly set well below the top of the cement surrounding the casing, which has previously been used as the production string.

FEI/ma  
cc-James E. Sperling  
F. H. Hennighausen

Very truly yours,

S. E. Reynolds  
State Engineer

By: *Frank E. Irby*  
Frank E. Irby  
Chief  
Water Rights Div.

J. R. MODRALL  
JAMES E. SPERLING  
JOSEPH E. ROEHL  
GEORGE T. HARRIS, JR.  
DANIEL A. SISK  
LELAND S. SEDBERRY, JR.  
ALLEN C. DEWEY, JR.  
FRANK H. ALLEN, JR.  
JAMES P. SAUNDERS, JR.

JAMES A. PARKER  
HENRY G. COORS  
JOHN R. COONEY  
KENNETH L. HARRIGAN

LAW OFFICES OF  
**MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS**

SIMMS BUILDING  
P. O. BOX 466  
ALBUQUERQUE, NEW MEXICO 87103

JOHN F. SIMMS (1885-1954)  
AUGUSTUS T. SEYMOUR  
(1907-1965)

TELEPHONE 243-4511  
AREA CODE 505

July 20, 1966

*Page 3444*  
JUL 26 AM 7

Secretary-Director,  
Oil Conservation Commission  
State Land Office Building  
Santa Fe, New Mexico

Dear Sir:

We submit herewith Application of Mobil Oil Corporation for authority to institute a waterflood project within the Northeast Square Lake Premier Unit Area, containing 2,200 acres, more or less, in Eddy County, New Mexico, said waterflood project to be operated in accordance with Rule 701 of the Commission; a copy of this Application has been forwarded to the Office of the State Engineer.

We also submit herewith Application of Mobil Oil Corporation for approval of Unit Agreement for the Northeast Square Lake Premier Unit, Eddy County, New Mexico, with copy of Unit Agreement attached thereto.

Very truly yours,

  
James E. Sperling

JES:fm  
Enclosures  
cc: Office of State Engineer  
Attention: Mr. Frank Irby

**DOCKET MAILED**

Date 8-11-66



# STANDARD OIL COMPANY OF TEXAS

A DIVISION OF CHEVRON OIL COMPANY  
P. O. BOX 1249 HOUSTON TEXAS 77001

August 8, 1966

MAIL ROOM

1966 AUG 10 AM 10 19

*Case 3444*

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.  
Secretary-Director

Gentlemen:

The application of Mobil Oil Corporation for authority to waterflood the Northeast Square Lake (Premier) Unit, Eddy County, New Mexico, is to be heard August 24, 1966. Chevron Oil Company, an owner of interest within the unit, urges Commission approval of Mobil's application.

Yours very truly,

*C. N. Segnar*  
C. N. Segnar  
Chief Engineer

JTC:ja

cc: Mobil Oil Corporation  
P. O. Box 633  
Midland, Texas 79701  
Attention: Mr. Don B. Couper

# Mobil Oil Corporation

P.O. BOX 633  
MIDLAND, TEXAS 79701

October 24, 1966

10/27/66

1966 Oct 27 AM 10 14

Mr. A. L. Porter, Jr.  
Secretary-Director  
New Mexico Oil Conservation Commission  
State Land Office Building  
Santa Fe, New Mexico

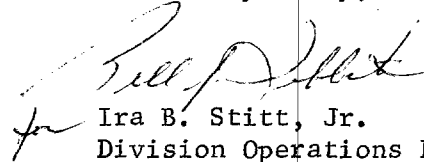
NORTHEAST SQUARE LAKE  
WATERFLOOD PROJECT  
EDDY COUNTY, NEW MEXICO

Dear Sir:

This is in response to your October 18, 1966 letter directed to Mr. James Sperling concerning Order No. R-3108 recently entered by the Commission approving Mobil's Northeast Square Lake Waterflood Project.

We are in agreement that the maximum allowable for the project will be 1,134 barrels per day under Rule 701-E-3 when the Southeast New Mexico Waterflood allowable factor is 42, and when all of the authorized input wells have been converted to injection. We will make appropriate reports to you and the District offices when injection is commenced and when there is a change in the status of the Unit or the wells.

Yours very truly,

  
Ira B. Stitt, Jr.  
Division Operations Engineer

PWK/nab

cc: Hobbs District Office - I  
Artesia District Office - II  
Mr. James Sperling

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO**

**October 18, 1966**

**Mr. James E. Sperling  
Modrall, Seymour, Sperling, Roehl & Harris  
Attorneys at Law  
Simms Building  
Post Office Box 466  
Albuquerque, New Mexico**

**Dear Sir:**

**Reference is made to Commission Order No. R-3108, recently entered in Case No. 3444, approving the Mobil NE Square Lake Waterflood Project.**

**Injection shall be through the 14 authorized water injection wells, each of which shall be equipped with tubing and a packer, said packers being set as near to the uppermost perforation, or in case of open hole completions, as near to the casing shoe as is practicable. The casing-tubing annulus shall be loaded with inhibited water.**

**As to allowable, our calculations indicate that when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project with the existing wells will be eligible to receive under the provisions of Rule 701-E-3 is 1134 barrels per day when the Southeast New Mexico waterflood allowable factor is 42.**

**Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the commission and the appropriate district proration office.**

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO**

**-2-**

**Mr. James E. Sperling  
Albuquerque, New Mexico**

C In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned commission offices by letter of any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

O Your cooperation in keeping the commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

P  
A. L. PORTER, Jr.  
Secretary-Director

ALP/DSN/ir

Y cc: Mr. Frank Irby  
State Engineer Office  
Santa Fe, New Mexico

Oil Conservation Commission Offices in Hobbs and Artesia

GOVERNOR  
JACK M. CAMPBELL  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission

LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

P. O. BOX 2088  
SANTA FE

August 30, 1966

Mr. James E. Sperling  
Modrall, Seymour, Sperling, Roehl &  
Harris  
Attorneys at Law  
Simms Building  
Santa Fe, New Mexico

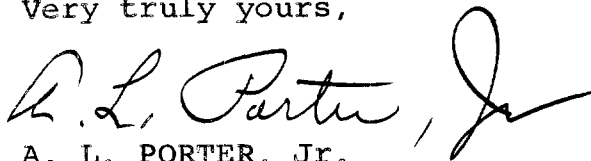
Re: Case No. 3444  
Order No. R-3108  
Applicant:

Mobil Oil Corporation

Dear Sir:

Enclosed herewith is a copy of the above-referenced Commission order recently entered in the subject case. Letter pertaining to conditions of approval and maximum allowable to follow.

Very truly yours,



A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x  
Artesia OCC x  
Aztec OCC           

Other Mr. Frank Irby