



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

Case 3444

JUL 26 AM 7

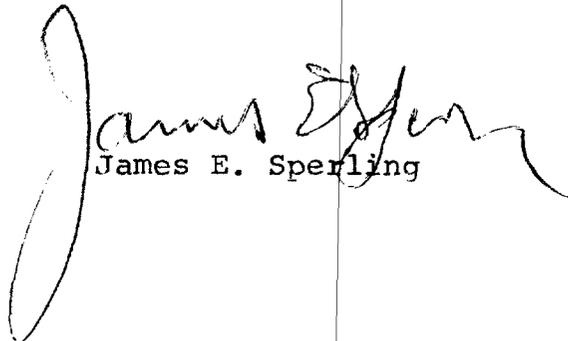
Secretary-Director,
Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico

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
[Signature]



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 19 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 JTC

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

1966 Oct 27 AM 11

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

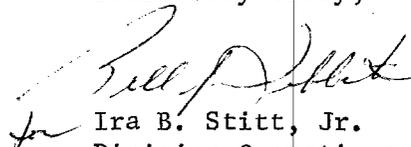
NORTHEAST SQUARE LAKE
WATERFLOOD PROJECT
EDDY COUNTY, NEW MEXICO

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

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

Dear Sir:

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

Y
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

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**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

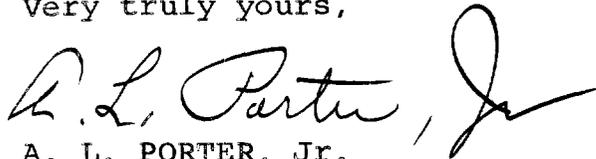
Applicant:

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