

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

September 13, 1968

C Mr. Charles White
White, Gilbert, Koch & Kelly
Attorneys at Law
Post Office Box 787
Santa Fe, New Mexico

O Dear Sir:

Reference is made to Commission Order No. R-3444-A, recently entered in Case No. 3853, approving the revision of Tenneco's Mesa Queen Waterflood Project.

P Additional water injection shall be through the two newly authorized water injection wells, each of which shall be equipped with tubing set in a packer approximately 50 feet above the uppermost perforation. The casing-tubing annulus shall be loaded with an inhibited fluid and left open or equipped with a pressure gauge to facilitate detection of tubing, casing, or packer leakage.

Y As to allowable, our calculations indicate that when all of the presently authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 1008 barrels per day when the Southeast New Mexico normal unit allowable is 42 barrels per day or less.

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.

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

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

-2-

**Mr. Charles White
White, Gilbert, Koch & Kelly
Attorneys at Law
Post Office Box 787
Santa Fe, New Mexico**

September 13, 1968

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.

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,

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

ALP/DSN/ir

**cc: Oil Conservation Commission
Hobbs, New Mexico**

**Mr. D. E. Gray
State Engineer Office
Santa Fe, New Mexico**

State of New Mexico
Oil Conservation Commission



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

September 12, 1968

Re: Case No. 3853
Order No. R-3444-A
Applicant:

Tenneco Oil Company

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.

A. L. PORTER, Jr.
Secretary-Director

Carbon copy of order also sent to:

Other



TENNECO OIL COMPANY • P. O. BOX 1031 • 1800 WILCO BUILDING • MIDLAND, TEXAS 79701

August 7, 1968

Case 3853

New Mexico Oil Conservation Commission
Mr. A. L. Porter, Jr., Secretary Director
P. O. Box 2088
Santa Fe, New Mexico

Gentlemen:

Tenneco requests administrative approval to convert the following Mesa Queen Unit wells in the Mesa Queen Field, Lea County, New Mexico, to water injection service.

UNIT WELL NO. 24: Located in the SW/4 of NW/4 Section 20, Unit Tract No. 15, T-16-S, R-32-E (Formerly Coastal States Mesa Gulf No. 1-E)

UNIT WELL NO. 16: Located in the NW/4 of SE/4 Section 16, Unit Tract No. 9, T-16-S, R-32-E (Formerly Antweil Humble State No. 1-J)

The above wells will be converted to injection instead of converting Unit Well No. 15 located in the NE/4 of the SW/4 of Section 16, Unit Tract No. 5b (formerly Tenneco's Mobil State No. 3-K) and Unit Well No. 22 located in the NW/4 of NW/4 of Section 20, Unit Tract No. 14 (formerly Shell's Decleva State No. 1-D) as was originally specified in Case No. 3790 and Commission Order No. R-3444 approving the Tenneco Mesa Queen Waterflood Project which became effective on August 1, 1968. Unit Wells No. 15 and 22 will probably be converted to injection later in the life of the flood.

In compliance with Statewide Rule 701, three copies of the following are enclosed:

1. A plat showing the unit boundary, the existing unit wells, those wells proposed for injection under Order No. R-3444, and the additional two wells desired to be converted which are the subject of this letter.
2. Logs of Unit Wells No. 24 and 16 with completion intervals marked and the proposed new perforations in Well No. 24.

DOCKET MAILED

Date 8/22/68

TENNECO OIL COMPANY

August 7, 1968

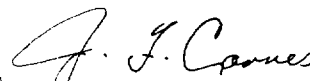
3. Diagrammatic sketches of the proposed injection wells showing all casing strings, amount of cement used, intervals to be injected into, tubing, type and location of packer, and other pertinent information.

Please note on the log and schematic diagrams that we prepose to perforate an additional zone in Unit Well No. 24 prior to converting the well to injection. These new perforations are opposite a transition zone of porosity containing both oil and water. Water injection will be into both the present and new perforations below a packer on 2-3/8" tubing. The required forms will be filed with the Commission prior to the workover. No additional perforations are required in Unit Well No. 16.

We will appreciate your administrative approval of this application as soon as possible.

Very truly yours,

TENNECO OIL COMPANY


for J. J. McDonald
District Superintendent

WVP:cw

Enclosures