

**PADUCA-DELAWARE POOL
(Tenneco Waterflood)
Lea County, New Mexico**

Order No. R-3313, Authorizing Tenneco Oil Company to Institute Two Waterflood Projects in the Paduca-Delaware Pool, Lea County, New Mexico, September 11, 1967.

Application of Tenneco Oil Company for Two Waterflood Projects, Lea County, New Mexico.

CASE NO. 3647
Order No. R-3313

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on September 6, 1967, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 11th day of September, 1967, 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, Tenneco Oil Company, seeks authority to institute two waterflood projects in the Paduca-Delaware Pool by the injection of water into the Delaware Sand through two wells on its State Monsanto Lease in Section 16, and through one well on its J. D. Sena, Jr., Lease in Section 28, both in Township 25 South, Range 32 East, NMPM, Lea County, New Mexico.

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

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

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Tenneco Oil Company, is hereby authorized to institute two waterflood projects in the Paduca-Delaware Pool by the injection of water into the Delaware Sand through the following-described three wells in Township 25 South, Range 32 East, NMPM, Lea County, New Mexico:

Tenneco Paduca Monsanto Waterflood Project

Injection wells:

Monsanto-State Well No. 3 - 660' FSL & 1980' FEL,
Section 16

Monsanto-State Well No. 7 - 330' FSL & 990' FWL,
Section 16

Tenneco Paduca Sena Waterflood Project

Injection well:

J. D. Sena, Jr., USA Well No. 1 - 2310' FSL & 1650' FWL,
Section 28

(2) That the subject waterflood projects 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 projects 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.

OIL CONSERVATION DIVISION

CASE NUMBER

EXHIBIT NUMBER 6

**PADUCA-DELAWARE POOL
(Texaco Waterflood)
Lea County, New Mexico**

Order No. R-3314, Authorizing Texaco Inc. to Institute Three Waterflood Projects in the Paduca-Delaware Pool, Lea County, New Mexico, September 11, 1967.

Application of Texaco Inc. for a Waterflood Project, Lea County, New Mexico.

CASE NO. 3646
Order No. R-3314

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on September 6, 1967, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 11th day of September, 1967, 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, Texaco Inc., seeks permission to institute three waterflood projects in the Paduca-Delaware Pool by the injection of water into the Delaware Sand through 12 wells in the Cotton Draw Unit Participating Area, through one well on its E. F. Ray Fed. "B" Lease in Section 10, and through two wells on its G. E. Jordan Fed. NCT-1 Lease in

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Cont'd.)**

Section 28, all in Township 25 South, Range 32 East, NMPM, Lea County, New Mexico.

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

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

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to institute three waterflood projects in the Paduca-Delaware Pool by the injection of water into the Delaware Sand through the following-described fifteen wells in Township 25 South, Range 32 East, NMPM, Lea County, New Mexico:

Texaco Cotton Draw Waterflood Project**Injection wells:**

Cotton Draw Unit Well No. 60 - Unit G - Section 10
Cotton Draw Unit Well No. 6 - Unit M - Section 10
Cotton Draw Unit Well No. 12 - Unit E - Section 15
Cotton Draw Unit Well No. 17 - Unit G - Section 15
Cotton Draw Unit Well No. 1 - Unit M - Section 15
Cotton Draw Unit Well No. 36 - Unit E - Section 21
Cotton Draw Unit Well No. 23 - Unit G - Section 21
Cotton Draw Unit Well No. 37 - Unit M - Section 21
Cotton Draw Unit Well No. 44 - Unit O - Section 21
Cotton Draw Unit Well No. 9 - Unit E - Section 22
Cotton Draw Unit Well No. 56 - Unit A - Section 28
Cotton Draw Unit Well No. 55 - Unit A - Section 29

Texaco Paduca Ray Waterflood Project**Injection well:**

E. F. Ray Fed. "B" Well No. 1 - Unit O - Section 10

Texaco Paduca Jordon Waterflood Project**Injection wells:**

G. E. Jordon Fed. "NCT-1" Well No. 15 - Unit E -
Section 28
G. E. Jordon Fed. "NCT-1" Well No. 16 - Unit G -
Section 28

(2) That the subject waterflood projects 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 projects 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 herein-above designated.

VACUUM POOL
(Bridges-State Waterflood Expansion)
Lea County, New Mexico

Order No. R-3318, Amending Order No. R-1244 and Authorizing Mobil Oil Corporation to Expand its Bridges-State Waterflood Project in the Vacuum Pool, Lea County, New Mexico, September 12, 1967.

Application of Mobil Oil Corporation for a Waterflood Expansion and for an Amendment of Order No. R-1244, Lea County, New Mexico.

CASE NO. 3654
Order No. R-3318

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on September 6, 1967, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 12th day of September, 1967, 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, Mobil Oil Corporation, seeks permission to expand its Bridges-State Waterflood Project authorized by Order No. R-1244 dated September 17, 1958, by the conversion to water injection of its Bridges-State Wells Nos. 63 and 73 in Units K and G of Section 13; Wells Nos. 3 and 6 in Units O and E of Section 23; Well No. 47 in Unit K of Section 24; Well No. 5 in Unit C of Section 26, and Well No. 52 in Unit A of Section 27; its State G Well No. 3 in Unit G of Section 24 and State J Wells Nos. 1 and 4 in Units I and A of Section 22, all in Township 17 South, Range 34 East, NMPM, Vacuum Pool, Lea 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 expansion of the Bridges-State Waterflood Project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the proposed expansion of the Bridges-State Waterflood Project should be approved.

(6) That the applicant further seeks the amendment of Order No. R-1244, dated September 17, 1958, to provide that future operation, expansion, and assignment of allowables of said project would be subject to the provisions of Rule 701 E of the Commission Rules and Regulations.

(7) That the provisions for operation, expansion, and assignment of allowables contained in Order No. R-1244 were written prior to the promulgation of Rule 701 E of the Commission Rules and Regulations, said Rule 701 E governing the operation, expansion, and assignment of allowables of waterflood projects, and are more restrictive than those contained in Rule 701 E.

(8) That in order to provide more efficient and economical means of operation, expansion, and assignment of allowables in the subject waterflood project, said operation, expansion, and assignment of allowables should henceforth be governed by Rule 701 E of the Commission Rules and Regulations.