

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. 3788
Order No. R-3442

APPLICATION OF TEXACO INC.
FOR A WATERFLOOD PROJECT,
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 26, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 3rd day of July, 1968, 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 a waterflood project in the Vacuum (Grayburg-San Andres) Oil Pool by the injection of water into the Grayburg-San Andres formation through its New Mexico State "W" NCT-1 Well No. 1, located in Unit O of Section 13, Township 17 South, Range 34 East, NMPM, 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 waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

-2-

CASE No. 3788
Order No. R-3442

(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.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to institute a waterflood project in the Vacuum (Grayburg-San Andres) Oil Pool by the injection of water into the Grayburg-San Andres formation through its New Mexico State "W" NCT-1 Well No. 1, located in Unit O of Section 13, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico.

(2) That the subject waterflood project is hereby designated the Texaco State "W" Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

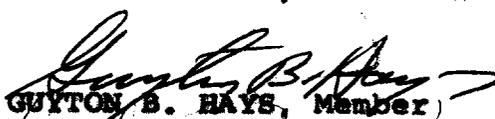
(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

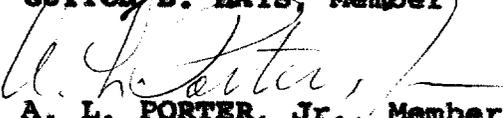
(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


GUYTON B. HAYS, Member


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



Case 3788



PETROLEUM PRODUCTS

May 28, 1968

TEXACO INC.
P. O. BOX 3109
MIDLAND, TEXAS 79701

DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION

MAY 31 1968

MAY 31 AM 7 55

REQUEST FOR HEARING
WATERFLOOD APPLICATION
VACUUM (GRAYBURG-SAN ANDRES) OIL POOL
LEA COUNTY, NEW MEXICO

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

Attn: Mr. A. L. Porter, Jr.

Gentlemen:

It is respectfully requested that an examiner hearing be scheduled on the first available docket in Santa Fe, New Mexico to consider the application of Texaco Inc. for approval to conduct waterflood operations by the injection of water into a well on Texaco's New Mexico "W" State NCT-1 Lease in the Vacuum (Grayburg-San Andres) Oil Pool in Lea County, New Mexico. The subject lease is comprised of the SE/4 of Section 13, T-17-S, R-34-E, Lea County, New Mexico. The project area will be comprised of the W/2 of the one-quarter section lease on which is located Well No. 1, the proposed injection well, and Well No. 2, a currently producing well. In compliance with Rule 701(B), a plat is enclosed showing the proposed injection well and all other wells and properties within a two mile radius. This project will be known as Texaco's New Mexico "W" State Cooperative Waterflood and will be an extension to and in agreement with the waterflood operation being conducted by Mobil Oil Corporation under Conservation Commission Order No. R-1244.

It is proposed to inject water into the Grayburg-San Andres reservoir in Well No. 1 through 2-3/8" O.D. internally plastic-coated tubing with a packer set at a depth of 4300' into an open hole interval at a depth from 4348' to 4680'. The injection fluid will be a mixture of Ogallala fresh water and produced salt water. This fluid will be purchased from the Mobil Oil Corporation system and will be injected into the proposed injection

DOCKET MAILED
Date 6/13/68

well at a rate of approximately 500 BPD with an injection pressure estimated at 2200 PSI.

In addition to the plat mentioned above, a log of a nearby well is enclosed showing tops of producing formations and the proposed injection interval. A log was not run in the proposed injection well. Also enclosed is a sketch of the proposed sub-surface installation in the injection well and a list of all offset operators. Each of the offset operators listed is receiving a copy of this letter.

Yours very truly,



C. L. Whigham
Division Proration Engineer

CLW:jl
Enclosures

cc: OCC - Box 1980 - Hobbs, New Mexico
Commissioner of Public Lands - Box 1148 - Santa Fe, New Mexico