

November 23, 1965, Examiner Hearing

CASE 3344: Application of Texaco Inc. for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the West Vacuum Unit Area comprising 2000 acres, more or less, of State land in Township 17 South, Range 37 East, Lea County, New Mexico.

CASE 3345: Application of Texaco Inc. for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its West Vacuum Unit by the injection of water into the Grayburg-San Andres formations through six injection wells located in Sections 3 and 4, Township 18 South, Range 34 East, and Sections 33 and 34, Township 17 South, Range 34 East, Vacuum Pool, Lea County, New Mexico.

CASE 3346: Application of Sinclair Oil & Gas Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Maljamar Pool by the injection of water into the Grayburg-San Andres formations through eight wells in Section 24, Township 17 South, Range 32 East, Lea County, New Mexico.



PHILLIPS PETROLEUM COMPANY
BARTLESVILLE, OKLAHOMA 74004

EXPLORATION AND PRODUCTION DEPARTMENT

November 10, 1965

Vacuum (Grayburg) Field, Lea County,
New Mexico - Proposed West Vacuum Unit

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

Attention Mr. A. L. Porter, Jr.,
Secretary and Director

Gentlemen:

Texaco Inc. has advised all interested parties of its application for approval of the unit agreement and the waterflood program for the proposed West Vacuum Unit, Vacuum (Grayburg) Field, Lea County, New Mexico. This matter is scheduled for hearing on November 23, 1965, under Cases No's. 3344 and 3345.

As a working interest owner in this proposed unit Phillips Petroleum Company concurs in the applicant's proposal and hereby urges approval of the application by the New Mexico Commission.

Yours very truly,

Shofner Smith
Production Director

JRB:dg

cc: Texaco Inc.
P. O. Box 3109
Midland, Texas 79704

DALPORT OIL CORPORATION
3471 FIRST NATIONAL BANK BLDG.
DALLAS, TEXAS 75202

November 8th, 1965

MAILED
NOV 10 1965

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

RE: Proposed West Vacuum Unit
Vacuum (Grayburg) Field
Lea County, New Mexico

Gentlemen:

Texaco has requested a hearing for the approval of a Unit Agreement and Waterflood Program for the above unit and this hearing has been scheduled before the New Mexico Oil Conservation Commission on November 23rd, 1965.

Dalport has committed its acreage within the boundaries of this unit and requests that you approve the Unit Agreement and Waterflood program.

Yours very truly

DALPORT OIL CORPORATION

W. L. Todd, Jr.
W. L. Todd, Jr. President

WLTJr:wm

cc: Mr. T. W. Doyle
Asst. Div. Petroleum Engineer
Texaco, Inc
P. O. Box 3109
Midland, Texas

Re: West Vacuum Unit
Vacuum (Grayburg) field
Lea County, New Mexico

Statement to be read into record at Nov. 23, 1965 hearing

Case 3344

Shell Oil Company, as a working interest owner in the proposed West Vacuum Unit, concurs with the Unit Area as proposed by Texaco, Inc., which comprises 2000 acres, more or less, of State Land in T-17-S, R-34-E, Lea County, New Mexico.

and T-18-S

Case 3345

The Shell Oil Company, as a working interest owner in the proposed West Vacuum Unit, supports Texaco's proposal to institute a waterflood project in the aforementioned unit by injecting water into the Grayburg San Andres formation through six injection wells in Sections 3 and 4, T-18-S, R-34-E and Sections 33 and 34, T-17-S, R-34-E, Lea County, New Mexico.

*Richard D. Soba
Shell Oil Co
Midland, Texas*

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

December 3, 1965

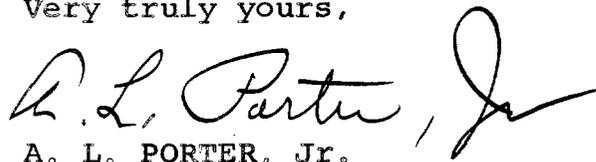
Mr. Charles White
White, Gilbert, Koch & Kelly
Attorneys at Law
Post Office Box 787
Santa Fe, New Mexico

Re: Case No. 3345
Order No. R-3008
Applicant:
Texaco Inc.

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 _____
Aztec OCC _____

Other Mr. Frank Irby



STATE OF NEW MEXICO
STATE ENGINEER OFFICE
SANTA FE

S. E. REYNOLDS
STATE ENGINEER

October 29, 1965

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

MAILED
1 NOV 1 1965

3345

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Comm.
Santa Fe, N. M.

Dear Mr. Porter:

Reference is made to the application of Texaco, Inc., which seeks approval to initiate water flooding activities in the Vacuum (Grayburg-San Andres) field and to convert 6 wells to injection. Only one diagrammatic sketch of proposed injection well was submitted and it is reproduced on an exhibit showing a partial Gamma Ray-Neutron log on the State of New Mexico "V" No. 6 well.

This office offers no objection to the granting of the application provided all injection wells are constructed and equipped as shown on the sketch and the tension packer on the end of the tubing is set well below the top of the cement surrounding the 5½" casing in each well.

FEI/ma
cc-Texaco, Inc.

Yours truly,

S. E. Reynolds
State Engineer

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

Page 3345

SUMMARY OF RECOMMENDATIONS

It is recommended that TEXACO Inc. as Unit Operator of the West Vacuum Unit be permitted to operate a waterflood in the Vacuum (Grayburg-San Andres) Pool.

The proposed injection wells and locations are:

<u>Operator</u>	<u>Lease</u>	<u>Well No.</u>	<u>Location</u>
Mesa Retailers	State	2	A4-18-34
Sinclair Oil Co.	State "B"	3	A33-17-34
TEXACO Inc.	State "AA" (NCT-1)	1	C3-18-34
TEXACO Inc.	State "O" (NCT-2)	11	I33-17-34
TEXACO Inc.	State "V"	1	C34-17-34
TEXACO Inc.	State "V"	2	K34-17-34

These wells are denoted on the attached plat of the western portion of the Vacuum Field.

Fresh water from the Ogallala formation will be injected in the average open hole interval from 4165 feet to 4708 feet.

Attached is a radioactivity log plus a diagrammatic sketch of a typical injection well completion.

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

December 10, 1965

C
O
P
Y

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

Dear Mr. White:

Reference is made to Commission Order No. R-3008, recently entered in Case No. 3345, approving Texaco's West Vacuum Unit Waterflood Project.

Injection is to be through the six authorized water injection wells, which shall be equipped with packers and internally plastic-coated tubing.

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 will be eligible to receive under the provisions of Rule 701-E-3 is 1134 barrels per day.

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 both of the aforementioned Commission offices by letter of any change in the status of wells in the project area, i.e.,

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

-2-

December 10, 1965

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

C
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/DSM/esr

cc: Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico

Y
Mr. Frank Irby
State Engineer Office
Capitol Building
Santa Fe, New Mexico