

TEXACO
INC.

PETROLEUM PRODUCTS



July 20, 1965

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

Re: Application for Examiner Hearing,
Statewide Rule 701-B, TEXACO Inc.
J. F. Black Lease, Langlie Mattix
Field, Lea County, New Mexico

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

Gentlemen:

TEXACO Inc. respectfully requests that an examiner hearing be scheduled on the first available hearing docket to consider its application for permit to inject water into the Langlie Mattix Pool on the TEXACO Inc. J. F. Black Lease for the purposes of secondary recovery operations. In support of this request, the following is stated:

1. TEXACO Inc. is owner and operator of the J. F. Black Lease that is comprised of the W/2 NE/4, E/2 NW/4 and NW/4 SE/4 of Section 21, Township 24 South, Range 37 East, Lea County, New Mexico. A plat showing the injection wells on this lease and the location of other wells within a two mile radius from these wells is attached.

2. There are to be a total of two injection wells and four producing wells on the J. F. Black Lease. The location of these wells will be commensurate with the pattern of injection and producing wells in the George L. Buckles Langlie-Mattix Water Flood Project, which project is east adjacent to the TEXACO Inc. J. F. Black Lease.

3. TEXACO Inc.'s J. F. Black Lease shall not be unitized with the George L. Buckles Project, but waterflood operations shall be performed on the J. F. Black Lease on a cooperative basis with the George L. Buckles Project and projects of other adjacent operators as indicated on the attached plat.

4. Logs of the injection wells on the J. F. Black Lease are not being submitted at this time since these wells are to be drilled. One of the proposed producing wells also is to be drilled. Attached is a diagrammatic sketch of each of the proposed injection wells indicating the proposed casing, cementing and tubing programs and the anticipated injection interval.

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Date 7-30-65

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DRAWER 728
HOBBS, NEW MEXICO 88240

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5. It is proposed to inject approximately 400 barrels of water per day into the Queen formation in the interval from approximately 3350 feet to 3550 feet. The exact interval will be determined after drilling and logging the wells. Approximately 200 barrels of water per day is to be injected into each well. The water is anticipated to be obtained from a water supply well completed in the Santa Rosa and Rustler formations.

6. A copy of this application is being sent this date by registered mail to the State Engineer Office, Capitol Building, Santa Fe, New Mexico and to the below listed offset operators:

George L. Buckles Company, Box 56, Monahans, Texas
Skelly Oil Company, Box 38, Hobbs, New Mexico
Continental Oil Company, Box 460, Hobbs, New Mexico
Shell Oil Company, Box 1858, Roswell, New Mexico
Pan American Petroleum Corporation, Box 1410, Ft. Worth, Texas
Gulf Oil Corporation, Box 1938, Roswell, New Mexico

In view of the aforementioned proposal that will prevent waste and protect correlative rights, TEXACO Inc. would appreciate receiving the requested examiner hearing and if possible, having the hearing scheduled on the monthly docket for August 11, 1965.

Yours very truly,



W. S. Bouldin
District Petroleum Engineer

WPY/om

Attachments

July 28, 1965

Mr. Frank E. Irby
Chief, Water Rights Division
State Engineers Office
State Capitol
Santa Fe, New Mexico 87501

Dear Mr. Irby:

The below listed information is that requested by your letter dated July 23, 1965, concerning source water for secondary recovery purposes on TEXACO's J. F. Black Lease, Langlie-Mattix Field, Lea County, New Mexico.

1. The proposed water well location is 2340 feet from the west line and 1430 feet from the north line of Section 21, Township 24 South, Range 37 East, Lea County, New Mexico.
2. The well is to be drilled to a total depth of approximately 780 feet to the base of the Santa Rosa formation with 5-1/2 inch casing being set at total depth and cemented to surface with 300 sacks of Incor neat cement. Logs are to be run on the well and the casing is to be perforated throughout the Santa Rosa formation from approximately 550 feet to 770 feet. The exact interval will be selected after logging. Water probably will be lifted to the surface with a beam type pumping unit and sucker rod type pump, the water being lifted through 2-3/8 inch OD tubing, plastic coated for corrosion resistance.
3. If the water supply is adequate in this well as anticipated, only the Santa Rosa will be produced. Shell Oil Company's water supply well, located 1200 feet from the south line and 2320 feet from the east line of said Section 21, produces an adequate supply from the Santa Rosa formation. Therefore, it may reasonably be assumed that only the Santa Rosa will be tested in TEXACO Inc.'s proposed well. If it becomes necessary to test the Rustler, proper authorization will be obtained

July 28, 1965

from your office for such testing as well as obtaining proper authorization prior to testing the Santa Rosa.

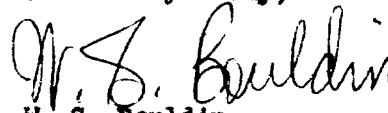
4. Analysis of the Santa Rosa water from Shell's aforementioned water well is as follows:

ph	7.6	Sp. Gr.	1.0008 @ 60° F
Calcium	56 PPM	Magnesium	48 PPM
Sodium	570 PPM	Bicarb.	342 PPM
Sulfate	1070 PPM	Chloride	130 PPM
Total Dissolved Solids - 2216 PPM			

5. Each injection well will be equipped with 1-1/2 inch nominal diameter, 2.75 pound per foot, non-upset, API J-55 grade tubing, plastic coated internally for corrosion resistance.

If additional information is desired, TEXACO Inc. would be happy to furnish it.

Yours very truly,


W. S. Bouldin
District Engineer

WPY-bh

CC: NMOCC - Hobbs
✓ NMOCC - Santa Fe

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 16, 1965

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

Re: Case No. 3287
Order No. R-2957
Applicant:
TEXACO INC.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

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

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Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec OCC

OTHER

MAILED JUL 26 1965
JUL 26 AM 11:10
JUL 26

July 23, 1965

Mr. W. S. Bouldin
District Petroleum Engineer
Texaco, Inc.
P. O. Box 728
Hobbs, N. M. 88240

Dear Mr. Bouldin:

Texaco's application dated July 20, 1965 which seeks authority from the Oil Conservation Commission to inject water into the following two wells for secondary recovery purposes is hereby acknowledged:

J. F. Black well No. 6 WIW
J. F. Black well No. 7 WIW

I would appreciate receiving the answers to the following questions prior to hearing on this application:

1. What is the location of the source water well?
2. What is the manner of construction of the source water well and what kind of equipment is, or will be, installed?
3. Are the waters in the Santa Rosa and Rustler in communication with each other?
4. What is the analysis of the source water (each water if they are not in communication)?
5. What kind of tubing is to be used in the injection wells?

Thank you in advance for this information.

FEI/ma
cc-Mr. A. L. Porter, Jr.
Mr. Joe Ramey
Mr. F. H. Hennighausen

Very truly yours,

Frank E. Irby, Chief,
Water Rights Division.

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

- 2 -

Mr. Booker Kelly
September 8, 1965

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

C ALP:sg

O cc: Mr. Frank Irby
State Engineer Office
Santa Fe, New Mexico

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

Y

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

September 8, 1965

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

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Dear Mr. Kelly:

Reference is made to Commission Order No. R-2957, recently entered in Case No. 3287, approving the Texaco Langlie-Mattix Black Water Flood Project.

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Injection is to be through the two authorized water injection wells, which are to be equipped with plastic coated tubing and packers set at approximately 3320 feet.

As to allowable, our calculations indicate that when both 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 224 barrels per day.

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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., 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.