

LAW OFFICES OF

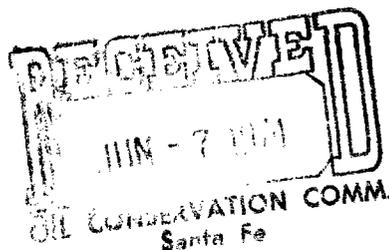
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AREA CODE 505

June 6, 1974

*Case 5258*



Mr. A. L. Porter, Jr.  
Secretary - Director  
Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Porter:

I transmit herewith in triplicate an application of Texas Pacific Oil Company, Inc. for two pilot waterflood projects together with various exhibits in connection with the application.

Very truly yours,

*John F. Russell*  
John F. Russell

JFR:jb  
Enclosures

DOCKET MAILED

Date 6-7-74

BEFORE THE OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO



IN THE MATTER OF THE APPLICATION OF )  
TEXAS PACIFIC OIL COMPANY, INC., FOR )  
THE ESTABLISHMENT OF TWO PILOT WATER- )  
FLOOD PROJECTS ON ITS STATE "A" ACCT. )  
NO. 1 LEASE INSOFAR AS THEY COVER THE )  
NE¼ OF SECTION 4, TOWNSHIP 23 SOUTH, )  
RANGE 36 EAST, LEA COUNTY, NEW MEXICO. )  
APPLICANT PROPOSES TO CO-MINGLE THE )  
WATER IN THE INJECTION WELL FOR THE )  
FLOODING OF THE UPPER AND LOWER SEVEN )  
RIVERS FORMATIONS AND FOR THE CO-MINGLING )  
IN THE WELL BORE OF PRODUCTION FROM )  
SAID FORMATIONS OR IN THE ALTERNATIVE )  
TO DULY COMPLETE THE INJECTION WELL )  
AND THE PRODUCING WELLS FOR THE )  
INJECTION OF WATER INTO AND THE )  
PRODUCTION FROM THE UPPER SEVEN RIVERS )  
FORMATIONS AND THE LOWER SEVEN RIVERS )  
FORMATIONS IN THE JALMAT AND LANGLIE )  
MATTIX POOLS, ALL LOCATED IN THE NE¼ )  
OF SECTION 4, TOWNSHIP 23 SOUTH, )  
RANGE 36 EAST, LEA COUNTY, NEW MEXICO. )

*Case 5-258*

APPLICATION

COMES NOW Texas Pacific Oil Company, Inc., through its attorney, John F. Russell, and requests that the Commission enter an Order authorizing the institution of two pilot waterflood projects on its State "A" Account No. 1 Lease insofar as they cover the NE¼ of Section 4, Township 23 South, Range 36 East, Lea County, New Mexico.

It is anticipated that the water injected through the injection well will be co-mingled for the flooding of the upper and lower Seven Rivers Formations in the Jalmat and Langie Mattix Pools and that the production from the producing wells will be co-mingled in the well bore for the production from said pool. or

In the alternative, if such co-mingling is not authorized, to dually complete the injection and producing wells as to the upper and lower Seven Rivers Formations in said pools, through parallel strings of tubing.

In further support of said application, the following data is submitted:

1. The proposed injection well is applicant's well No. 42 located in Unit A of said Section 4.

2. The injection into the upper Seven Rivers Formation will be made through the perforated interval between 3,650 feet to 3,665 feet and the perforated interval between 3,670 feet to 3,784 feet.

3. The injection into the lower Seven Rivers Formation will be in the perforated interval between 3,718 feet and 3,738 feet.

4. The water for the proposed waterflood project will be furnished by Conoco from the Capitan Reef. The water will be injected under pressure at an anticipated initial rate of between 200 and 400 barrels per day.

5. The producing wells to be affected by the pilot project are as follows:

a. Texas Pacific Oil Company, Inc.,  
Well No. 44 located in Unit B.

b. Texas Pacific Oil Company, Inc.,  
Well No. 87 located in Unit G.

c. Texas Pacific Oil Company, Inc.,  
Well No. 45 located in Unit H.

All in Section 4, Township 23 South, Range 36 East, Lea County, New Mexico.

6. The aforesaid wells are in a declining rate of production and the granting of this application will allow applicant to obtain its fair share of oil from the reservoir will protect correlative rights and prevent economic waste caused by the premature abandonment of said wells.

WHEREFORE, Applicant requests the Commission to set

this matter down for hearing before its Examiner, on the 19th day of June, 1974, to publish its notice as provided by law, and after hearing, to issue its order authorizing the pilot waterflood project as prayed for herein.

Respectfully submitted,  
TEXAS PACIFIC OIL COMPANY, INC.

By *John J. Howell*  
P. O. Drawer 640  
Roswell, New Mexico 88201  
Attorney for Applicant

DATED: *June 6, 1974*