

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION OF TIDEWATER OIL  
COMPANY FOR APPROVAL OF A  
WATERFLOOD PROJECT, LEA  
COUNTY, NEW MEXICO.

Case No. 330

A P P L I C A T I O N

Comes now Tidewater Oil Company by its attorneys and seeks permission to institute a waterflood project in the Justis McKee Unit Area, Justis McKee Pool, Lea County, New Mexico, and in support of its application states:

1. By an application filed coincident herewith Tidewater Oil Company is seeking approval of the Justis McKee Unit comprising 880 acres of federal, state and fee lands in Lea County, New Mexico, as follows:

Township 25 South, Range 37 East.

Sec. 13:  $SE\frac{1}{4}$  and  $SE\frac{1}{4}SW\frac{1}{4}$   
Sec. 24:  $E\frac{1}{2}$ ,  $E\frac{1}{2}SW\frac{1}{4}$ , and  $SE\frac{1}{4}NW\frac{1}{4}$   
Sec. 25:  $NE\frac{1}{4}NE\frac{1}{4}$

Township 25 South, Range 38 East

Sec. 19:  $W\frac{1}{2}W\frac{1}{2}$   
Sec. 30:  $NW\frac{1}{4}NW\frac{1}{4}$

2. Applicant seeks permission to institute a waterflood project in the Justis McKee Unit Area by injecting water into the McKee formation through five injection wells at the following locations:

Gulf-McBuffington Well No. 12,  
 $NE\frac{1}{4}SE\frac{1}{4}$ , Section 13

Gulf-McBuffington Well No. 4,  
 $SE\frac{1}{4}SW\frac{1}{4}$ , Section 13

Well to be drilled,  
 $SE\frac{1}{4}NW\frac{1}{4}$ , Section 24

Tidewater-Coates-Federal Well No. 3  
 $SE\frac{1}{4}SW\frac{1}{4}$ , Section 24

Atlantic State "Y" Well No. 4  
 $NE\frac{1}{4}NE\frac{1}{4}$ , Section 25

All in Township 25 South, Range 37 East, Lea County, New Mexico.

3. The wells in the Justis McKee Unit Area have reached an advanced state of depletion and are regarded as what is commonly referred to as "stripper" wells.

4. Attached to this application is a plat showing the location of the proposed injection wells, the location of all other wells within a radius of two miles from the proposed injection wells, the formations from which all wells are producing or have produced and the lessees within said area.

5. Logs of the four injection wells that have been drilled are submitted with this application.

6. Attached to this application are diagrammatic sketches of the proposed injection wells showing the present status of the wells that have been drilled and how they will be converted to water injection purposes. The sketch of the well to be drilled and how it will be completed is included.

7. Applicant proposes to inject approximately 5,160 barrels of water per day into the five proposed injection wells at an average injection pressure of 825 lbs. per square inch. The source of injection water will be the Rustler Formation on the Tidewater-Coates "C" lease. Approximately 3,800,000 barrels of water will be needed to attain fill-up and approximately 7,000,000 barrels of water will be injected throughout the life of the proposed waterflood project.

8. The proposed waterflood project will prevent waste and protect correlative rights.

WHEREFORE, Tidewater Oil Company requests that this application be set for hearing before the Commission or one of its

examiners and that the Commission enter its order approving the waterflood project proposed by this application.

SETH, MONTGOMERY, FEDERIGI & ANDREWS

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Attorneys for Tidewater Oil  
Company.

CERTIFICATE OF MAILING

I hereby certify that a copy of this application, complete with attachments, has been sent to Mr. Frank Irby, Chief, Water Rights Division, Office of the State Engineer, State Capitol Building, Santa Fe, New Mexico, on this 23rd day of August, 1965.

Richard S. Morris