

# Kennedy Oil Company

— OIL PRODUCERS —

P. O. Box 151

Artesia, New Mexico

January 6, 1969

MAIN OFFICE 300

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*Case 4038*

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

Dear Mr. Porter:

Enclosed herewith you will please find three copies of the Application of Kennedy Oil Company for a waterflood project in the Square Lake Field, Eddy County, New Mexico, with the attached data therein described.

Please set this matter for hearing at the next regularly scheduled examiner's hearing and advise us the date of such hearing.

Very truly yours,

Kennedy Oil Company

*Robert B. Kennedy*  
Robert B. Kennedy

DOCKET MAILED

Date 1-23-69

RECEIVED  
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BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :  
OF KENNEDY OIL COMPANY FOR A :  
WATERFLOOD PROJECT, SQUARE LAKE :  
POOL, EDDY COUNTY, NEW MEXICO :

No. 4038

APPLICATION

COMES KENNEDY OIL COMPANY, by its engineer, Robert E. Kennedy, and states:

1. That it is the operator of two producing oil wells in the Square Lake Field, Eddy County, New Mexico, and within the proposed project area covered by this Application, to-wit:

Township 16 South, Range 31 East, N.M.P.M.

Section 19: Lot 3, (NW/4 SW/4) and NE/4 SW/4

containing 70.33 acres, more or less.

2. There is attached hereto and by reference made a part hereof, a plat showing the location of the wells covered by this Application and the location of all other wells and leases within a radius of two miles from the proposed project area, and designating the formations from which said wells are producing.

3. That the two producing wells within the project area covered by this application have reached an advanced or "stripper" state of depletion and the Applicant proposes to inject water into the producing or once producing Grayburg and San Andres formations in sufficient quantities and under sufficient pressure to stimulate the production of oil from the producing well in the project area.

4. That the Applicant proposes to commence injecting water into the Grayburg and San Andres formations through the following proposed injection well, to-wit:

Kennedy Oil Company, Carper Federal No. 2  
located in the NE/4 SW/4 of Section 19,  
Township 16 South, Range 31 East, N.M.P.M.

5. There is attached hereto and by reference made a part hereof a copy of the log of the Kennedy Oil Company Carper Federal No. 2.

6. There is attached hereto and by reference made a part hereof a diagrammatic sketch of the proposed injection well, and designated as the Kennedy Oil Company, Carper Federal No. 2 showing all casing strings, including diameters and setting depths, quantities used and tops of cement, perforated intervals, tubing string, including diameters and setting depth, and the type and location of the packer.

7. That Applicant proposes to contract for the purchase of water from the Anadarko Production Company, which in turn is purchasing water from a commercial water company.

8. That Applicant proposes to inject water into the injection well at pressures up to 2500 p.s.i., and at rates up to 250 barrels per day.

9. That Applicant states that produced water will be returned to the injection plant, treated and then re-injected into the proposed injection well.

10. That Newmont Oil Company is presently operating at capacity allowable a waterflood project ( S/2 SE/4 Sec. 19-T-16S, R-31E., Order R-1110 B ) adjoining Applicants proposed project area and therefore Applicant proposes to conduct its waterflood project with a capacity buffer zone allowable.

11. That the approval of this waterflood project will be in the interest of conservation and will prevent waste and protect correlative rights.

WHEREFORE, Applicant prays the orders of the Commission as follows:

1. That this matter be set for hearing before an examiner duly appointed by the Commission and that due notice be given thereof as required by law.

2. That after hearing, an order be entered authorizing the Applicant to institute the aforesaid waterflood project as a buffer zone with capacity allowable.

3. And for such other relief as may be just in the premises.

KENNEDY OIL COMPANY

By Robert B. Kennedy