

*Clad 2656*

LAW OFFICES  
LOSEE AND STEWART  
CARPER BUILDING - P. O. DRAWER 239  
ARTESIA, NEW MEXICO

A. J. LOSEE  
EDWARD B. STEWART

18 September 1962

Mr. A. L. Porter, Jr., Secretary  
New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Dear Mr. Porter:

Enclosed herewith you will please find triplicate executed copies of application of Western Development Company of Delaware for a secondary recovery project in the East Millman Queen-Grayburg Field in Eddy County, New Mexico. Please set this application down for hearing before an examiner and advise me of the date of this hearing.

We do not have a log on Well No. 182. Please consider this letter as an amendment to the application which will now show that no log is available on this well.

With a carbon of this letter we are furnishing the State Engineer's office and State Land office with a copy of this application and the attached exhibits.

Very truly yours,



A. J. Losee

AJL:jat  
Enclosures

cc: Mr. Frank Irby  
State Engineer's Office

Mr. E. S. Johnny Walker  
Commissioner of Public Lands

Western Development Company of Delaware  
(Artesia and Denver offices)

**DOCKET MAILED**

Date 9/28/62



BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :  
WESTERN DEVELOPMENT COMPANY OF DELAWARE :  
FOR A SECONDARY RECOVERY PROJECT, EAST :  
MILLMAN QUEEN-GRAYBURG FIELD, EDDY :  
COUNTY, NEW MEXICO :

No. 2656

APPLICATION

COMES WESTERN DEVELOPMENT COMPANY OF DELAWARE by its  
attorneys, Losee and Stewart, and states:

1. That it is the operator and, with Yates Petroleum  
Corporation, the working interest owner of 32 producing oil wells  
located within the East Millman Queen-Grayburg Field, Eddy County,  
New Mexico, and within the proposed project area covered by this  
Application; said project area is described as follows:

Township 19 South, Range 28 East, N.M.P.M.

Section 11: E/2 SW/4  
Section 14: All  
Section 15: E/2 NE/4, SE/4 SW/4, SE/4  
Section 22: NE/4  
Section 23: N/2 NW/4, SW/4 NW/4

containing 1,280 acres, more or less.

2. There is attached hereto and by reference made a  
part hereof, a plat showing the location of the proposed injec-  
tion wells and the location of all other wells and Lessees  
within a radius of two miles from said proposed injection wells,  
and the formations from which said wells are producing.

3. That said wells will not reach the advanced or  
"stripper" state of depletion until on or about June 1, 1963;

that Applicant proposes to inject water into the producing Queen and Grayburg formations in an effort to build and/or maintain the reservoir pressure in the project area until the simulated date on which the wells would have reached the advanced state of depletion, except for said pressure maintenance, at which time the Applicant proposes to continue injecting water into said producing formations in sufficient quantities and under sufficient pressure to stimulate the production of oil from the producing wells in the project area.

4. That Applicant proposes to inject water into the producing Grayburg and Queen formations through the following described wells in Township 19 South, Range 28 East, N.M.P.M., Eddy County, New Mexico, to-wit:

WESTERN-YATES, STATE LEASE 648

Well No. 160, NE/4 SW/4, Section 11,  
Well No. 148, NE/4 NE/4, Section 14,  
Well No. 153, NE/4 NW/4, Section 14,  
Well No. 184, SW/4 NE/4, Section 14,  
Well No. 147, SW/4 NW/4, Section 14,  
Well No. 161, NE/4 SE/4, Section 14,  
Well No. 143, NE/4 SW/4, Section 14,  
Well No. 182, SW/4 SE/4, Section 14,  
Well No. 145, SW/4 SW/4, Section 14,  
Well No. 151, NE/4 SE/4, Section 15  
Well No. 156, SW/4 SE/4, Section 15  
Well No. 152, NE/4 NE/4, Section 22  
Well No. 158, SW/4 NE/4, Section 22

WESTERN-YATES, STATE LEASE E-5003

Well No. 1, NE/4 NE/4, Section 15,

WESTERN-YATES, MALCO STATE LEASE

Well No. 2, NE/4 NW/4, Section 23,

Well No. 3, SW/4 NW/4, Section 23.

5. There is attached hereto, and by reference made a part hereof, copies of logs on all of the proposed injection wells.

6. There is attached hereto, and by reference made a part hereof, a graphic description of the proposed injection well casing program on Western-Yates State 648 Well No. 147. The casing program for this well is typical of the casing program for the other proposed injection wells covered by this Application. The Gamma Ray Neutron Log on this well reflects that the top of the Queen formation is 1,681 feet below the surface and the top of the Grayburg formation is 2,026 feet below the surface.

7. The source of water for this project is water wells to be drilled by the Applicant within the project area. If these wells will not produce sufficient quantities of water then the Applicant proposes to contract for the purchase of supplemental water from Caprock Water Company or other similar company.

8. The Applicant proposes to inject water into each of the injection wells at a pressure of 1,200 p.s.i. and at the rate of 300 barrels per day.

9. The Applicant proposes to conduct said secondary recovery project in accordance with the allowable provisions of Rule 701 of the New Mexico Oil Conservation Commission.

10. The approval of this secondary recovery project will be in the interest of conservation, will prevent waste and correlative rights will be protected.

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 secondary recovery project by the injection of water into the producing Grayburg and Queen formations through the injection wells hereinabove described and that allowables be established for the project equivalent to a pressure maintenance allowable until June 1, 1963, and equivalent to a waterflood allowable after June 1, 1963.

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

WESTERN DEVELOPMENT COMPANY OF DELAWARE

By



A. J. Losee of  
LOSEE AND STEWART  
Attorneys at Law  
Post Office Drawer 239  
Artesia, New Mexico