

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION)
OF THE ATLANTIC REFINING COMPANY)
FOR APPROVAL OF THE SWEARINGEN)
WATER FLOOD PROJECT (SHUGART POOL)) No.
CONSISTING OF 720 ACRES IN SECTIONS)
11 AND 14, TOWNSHIP 18 SOUTH, RANGE)
31 EAST, EDDY COUNTY, NEW MEXICO)

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Comes The Atlantic Refining Company, acting by and through the undersigned attorneys, and hereby makes application for approval of the Swearingen Water Flood Project (Shugart Pool) Eddy County, New Mexico, in accordance with Rule 701 of the rules of the New Mexico Oil Conservation Commission, and in support thereof respectfully shows:

1. The Atlantic Refining Company is the owner of all of the working interest in and to oil and gas leases embracing lands of the United States covering the following described lands situated in Eddy County, New Mexico, to-wit:

Township 18 South, Range 31 East, N.M.P.M.

Section 11 - E $\frac{1}{2}$ SE $\frac{1}{4}$

Section 14 - All

containing 720 acres, more or less

There are 13 producing wells located upon the above described lands producing from the Queen formation at a depth of approximately 3400 feet below the surface. All of said wells have reached an advanced state of depletion and are regarded as what is commonly referred to as "stripper" wells, said wells averaging less than 3 barrels of oil per day.

2. Atlantic proposes to inaugurate a secondary recovery program by the injection of water into the Queen formation by the conversion of 6 of the producing wells to injection wells. There

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is attached hereto, made a part hereof, and for purposes of identification marked Exhibit "A", a plat showing the project area above described and the location of the wells situated thereon and the wells which Atlantic proposes to convert to injection wells. Said plat also shows the location of all other wells within a radius of 2 miles from said project area, together with the ownership of the leasehold interests within said 2 mile radius. That Atlantic is informed that Hudson & Hudson plans to submit for approval of the Commission an application for a water flood project adjoining applicant's project area to the west. Atlantic also proposes to enter into agreements with Hudson & Hudson and Maxwell Oil Company, the owner of the leasehold interests to the east, for the protection of the respective lease lines and to protect the correlative rights of the overriding royalty owners.

3. There are filed herewith electric logs covering the following injection wells.

Swearingen 6-A, located in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14;
Swearingen 3-B, located in SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14;
Swearingen 4-B, located in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14.

That logs of the other injection wells are not available.

4. There is attached hereto, made a part hereof, and for purposes of identification marked Exhibit "B", a diagrammatic sketch of each of the proposed injection wells showing all casing strings, including diameters and setting depths; quantities used and tops of cement; tubing strings, including diameters and setting depths; and type and location of packers to be used.

5. Atlantic proposes to start injecting fresh water into the injection wells indicated on Exhibit "A" attached hereto at the rate of approximately 2,000 barrels per day, and produced water when it occurs will be reinjected into the injection wells. The water to be used for injection purposes will be purchased from the Double Eagle Corporation of New Mexico.

6. That applicant requests that a project allowable be assigned to the Swearingen Water Flood Project in accordance with the rules of the Commission and that the order of the Commission approving the project provide for administrative approval of expansions of the project area and of any additional injection wells which later may prove to be necessary in connection therewith.

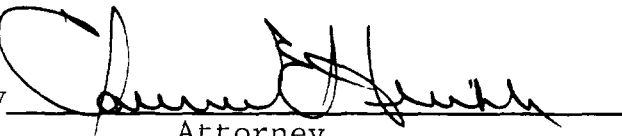
7. That a copy of this application, with all exhibits, is being mailed to the State Engineer of the State of New Mexico, Capitol Building, Santa Fe, as of the date of this application.

8. That applicant respectfully requests that a hearing on the within application be held before an examiner at the earliest possible date.

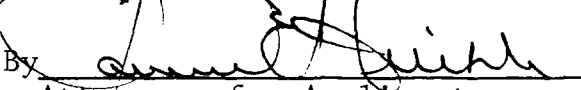
DATED this 6th day of August, 1965.

Respectfully submitted,

THE ATLANTIC REFINING COMPANY

By 
Attorney

~~HINKIE~~ BONDURANT & CHRISTY

By 
Attorneys for Applicant
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