

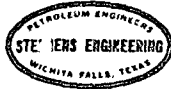
Case 6926

WATER FLOODING

VALUATIONS

RESERVOIR STUDIES

TELEPHONE - 817-723-2188



POST OFFICE BOX-2249

WICHITA FALLS, TEXAS
76307

April 11, 1978

United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Initial Plan of Operation
Barber Oil, Inc.
Saladar Unit
Eddy County, New Mexico

Gentlemen:

Barber Oil, Inc. is presently finalizing plans towards initiating a secondary recovery project in the Saladar Unit, Eddy County, New Mexico. Work is presently being accomplished towards unitizing three individual tracts all owned by Barber Oil, Inc. into the Saladar Unit, Saladar Field, Eddy County, New Mexico. Attached hereto are copies of the various information required under Statewide Rule 701-B for your inspection.

As can be seen in this presentation, Barber Oil, Inc. plans to utilize the following wells for water injection purposes: Tract 1, wells No. 3, 5 and 7. (This lease is presently identified as the Barber Oil, Inc., Hughes Federal lease.) Tract 2, well No. 2. (This lease is presently identified as the Barber Oil, Inc., Mayfield Federal lease.) Tract 3, well No. 1. (This lease is presently identified as the Barber Oil, Inc., Malco Fee lease.)

Under the initial plan of operation, it is proposed to convert each of the five wells previously mentioned to water injection service and to inject brackish water which will be obtained from a shallow water zone located on the Hughes Federal lease. This water will be injected down tubing, below a packer, into the Yates zone at a depth

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of approximately 600'. Injection rates at each of the proposed wells will average 75 barrels of water per day initially at a maximum plant pressure of 500 psig.

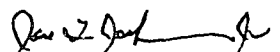
Also included herein are the following items for your inspection:

- 1) Plat of the proposed project area.
- 2) Plat of the general area around the project.
- 3) Copy of a drillers log (only type log available) on the Hughes Federal, well No. 7.
- 4) Diagramatic sketches of the proposed installation in each of the five injection wells.
- 5) A pipeline production history tabulation.
- 6) Production curves of each of the leases and the proposed project combination production curve.
- 7) Copy of presentation made by Mr. George D. Riggs to obtain approval for injection of water into these properties dated September 29, 1975. In line with this request, which has now been approved, it is now requested by Barber Oil, Inc. that this permit be resended in lieu of the present application.

Should there be any questions concerning the data presented or your requested approval of this project, please do not hesitate to contact us.

Yours very truly,

STEPHENS ENGINEERING



Joe L. Johnson, Jr.

JLJjr/dk

