

Union Oil Company of California

500 N. Marienfeld, Midland, Texas 79701
Telephone (915) MU 2-9731



Midland District

August 22, 1968

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

Dear Mr. Porter:

Annulus Disposal of Produced Water
in the Federal "A" Well No. 1,
Morton Wolfcamp Field, Lea County,
New Mexico

Union Oil Company of California, as operator of the Federal "A" Well No. 1, Morton Wolfcamp Field, Lea County, New Mexico, respectfully requests Administrative approval to dispose of produced water from this well in the annulus between the 5-1/2" production and 8-5/8" intermediate casing strings. Disposal will be confined to open hole interval between the 8-5/8" casing shoe at 4620' and top of cement behind the 5-1/2" production casing at approximately 7350'. It is anticipated that disposal will be by gravity injection because of severe lost circulation encountered in the San Andres porosity at 5800-6000' when drilling the well. All water will be treated by chemical injection with corrosion and scale inhibitors to protect the casing strings from possible corrosion.

In support of this application, the following are attached:

1. Application for Disposal of Salt Water Into a Porous Formation
2. Plat showing location of subject well and all offset wells in the field. Subject well is identified on the plat.
3. Analysis of the produced water
4. Diagrammatic sketch of the well showing casing string details, cement tops and perforations.
5. Electric log on subject well
6. Application for multiple completion
7. Copy of the letter sent to offset operators notifying them of this application.