

# AMERADA HESS CORPORATION

DRAWER 817  
SEMINOLE, TEXAS 79360  
915-758-5805

May 21, 1975

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

Re: Application To Dispose of Salt  
Water in the Knowles Field,  
Lea County, New Mexico.

Gentlemen:

Amerada Hess Corporation is the owner and operator of oil and gas leases covering all lands in the SE/4 Sec 34-T16S-R38E, Knowles Devonian Field, Lea County, New Mexico.

As shown on the attached Plat of the area, the only two producing wells remaining in the field are the Axvig No. 1 and the Hamilton "A" No. 2, both being in the SE/4 of Section 34. Both of these wells are approaching depletion and the economic limit of operation.

Mechanical problems have developed in the current salt water disposal well. Since there are no well bores available for water disposal and the producers could not economically support either the drilling of a new disposal well or the hauling of produced water, we propose converting the Axvig No. 1 to a disposal well and depleting the Devonian reserves through Hamilton "A" No. 2. A satisfactory agreement has been worked out with both the royalty owners and surface owners of the Axvig Tract.

In the Axvig No. 1 disposal well, we propose to:

- a) Set a bridge plug above the Devonian and dump 35' of cement on top.
- b) Perforate and block squeeze with cement at the top and base of the San Andres Zone.
- c) Perforate the San Andres from 6300' to 6400' for water disposal.
- d) Set 2-3/8" plastic lined tubing on a packer at about 5000'.
- e) Dispose of 500 to 1500 barrels of water per day through the tubing. Injection should be without pressure.

Attached are:

- a) A plat of the area showing all wells and ownership in the field.