

December 11, 1958

*assign*  
*WFX. # 5*

*due 1-7-59*

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

RE: Application for Administrative  
Approval to Convert Four (4)  
Unit Wells to Water Injection  
Wells In North Caprock Queen  
Unit No. 1 - Located in Lea  
and Chaves Counties, New Mexico

Gentlemen:

In accordance with Commission Order No. 972-B issued on August 6, 1958,  
Graridge Corporation as Unit Operator respectfully request administrative  
approval to convert the following wells to water injection wells:

UNIT NO.

LOCATION

✓  
30-16  
6-10  
6-14  
6-16

✓  
SE/4 SE/4 Sec. 30, T-12-S, R-32-E  
NW/4 SE/4 Sec. 6, T-13-S, R-32-E  
SE/4 SW/4 Sec. 6, T-13-S, R-32-E  
SE/4 SE/4 Sec. 6, T-13-S, R-32-E

The following data pertinent to the proposed expansion are presented as  
support for the above request:

(1) Each proposed injection well is directly offset by  
a producing well which has shown response to the water flood project.  
(See attached Form C116 and Exhibit No. 1)

(2) Exhibit No. 2 indicates present injection well  
data. It is evident that some of the injection wells are not as  
receptive to water injection as others therefore, it is desirable to  
place wells on injection soon after waterflood response is noted in  
order to maintain flood balance.

(3) Exhibit No. 3 gives performance curves for the  
overall waterflood project.

(4) Three (3) of the subject wells, Nos. 6-10, 6-14,  
and 6-16 have been conditioned for water injection. Workover is now  
being done on the remaining one (1) proposed injection well. This  
operation should be complete or near completion at the time that  
administrative approval proceedings have been completed.

Oil Conservation Commission  
December 17, 1958

-2-

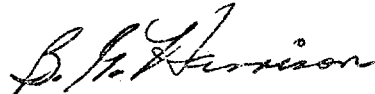
Attached Exhibit No. 1 indicates all offset operators and all injection wells in both North Caprock Queen Unit Nos. 1 and 2 as is requested by Order no. R-978-B.

Copies of this application are being sent to Ambassador Oil Corporation and Great Western Drilling Company as they are offset operators to the proposed expansion. We are submitting waiver letters to the offset operators and will forward these to the Commission as soon as possible.

The cooperation of the Commission in this matter will be greatly appreciated.

Yours very truly,

GRARIDGE CORPORATION



B. G. Harrison  
Manager of Secondary Recovery

BGH/bh  
cc: