

## ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



May 27, 1987

GARREY CARRUTHERS  
GOVERNORPOST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Mobil Producing Texas  
and New Mexico Inc.  
P. O. Box 633  
Midland, Texas 79702

Attention: M. E. Sweeney

Re: Injection Pressure Increase  
N. Vacuum Abo Unit  
Lea County, New Mexico

Dear Sir:

Reference is made to your request dated May 20, 1987, to increase the surface injection pressure on four wells in the North Vacuum Abo Unit Waterflood Project. This request is based on step rate tests conducted on these wells on May 7, 1987. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following wells:

<u>WELL AND LOCATION</u>	<u>MAXIMUM INJECTION SURFACE PRESSURE</u>
N. Vacuum Abo Unit No. 155 560' FNL & 560' FWL (Unit D) Sec. 23, T-17-S, R-34-E, NMPM	4050 PSIG
N. Vacuum Abo Unit No. 204 660' FNL & 860' FWL (Unit D) Sec. 24, T-17-S, R-34-E, NMPM	3945 PSIG
N. Vacuum Abo Unit No. 205 660' FNL & 1980' FEL (Unit B) Sec. 26, T-17-S, R-34-E, NMPM	3910 PSIG

N. Vacuum Abo Unit No. 211  
2054' FSL & 2162" FEL (Unit J)  
Sec. 24, T-17-S, R-34-E

3775 PSIG

All in Lea County, New Mexico.

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

WILLIAM J. LEMAY,  
Director

WJL/DRC/dr

xc: OCD - Hobbs  
File - PMX-138  
WFX-557  
D. McDonald  
D. Catanach