



STATE OF NEW MEXICO  
 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
 OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
 GOVERNOR

POST OFFICE BOX 2088  
 STATE LAND OFFICE BUILDING  
 SANTA FE, NEW MEXICO 87504  
 (505) 827-5800

March 3, 1989

*PMX-140*

Mobil Exploration & Production U.S., Inc.  
 P.O. Box 633  
 Midland, TX 79702

Attention: M.E. Sweeney

RE: Injection Pressure Increase  
 North Vacuum Abo Unit  
 Lea County, New Mexico

Dear Mr. Sweeney:

Reference is made to your request dated February 9, 1989, to increase the surface injection pressure on four wells within the North Vacuum Abo Unit Waterflood Project. This request is based on step rate tests conducted on these wells during January, 1989. 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.

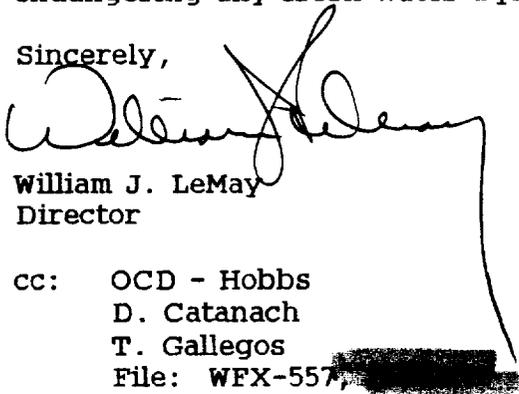
<u>WELL AND LOCATION</u>	<u>MAXIMUM INJECTION SURFACE PRESSURE</u>
NVAU Well No. 142 Unit J, Section 14, T-17 South, R-34 East, NMPM	3790 PSIG
NVAU Well No. 146 Unit B, Section 14, T-17 South, R-34 East, NMPM	3690 PSIG
NVAU Well No. 152 Unit B, Section 13, T-17 South, R-34 East, NMPM	3420 PSIG
NVAU Well No. 164 Unit B, Section 14, T-17 South, Range 34 East, NMPM	4030 PSIG

All in Lea County, New Mexico.

Injection Pressure Increase  
Mobil Exploration and Producing, U.S., Inc.  
March 3, 1989  
Page 2

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,

A handwritten signature in black ink, appearing to read "William J. LeMay". The signature is written in a cursive style and is positioned above the typed name and title. A vertical line extends from the bottom of the signature down to the "cc:" list.

William J. LeMay  
Director

cc: OCD - Hobbs  
D. Catanach  
T. Gallegos  
File: WFX-557, [REDACTED]

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

April 12, 1989

PMX-138

Mobil Exploration & Production U.S., Inc.  
P.O. Box 633  
Midland, TX 79702

Attention: M.E. Sweeney

RE: Injection Pressure Increase  
North Vacuum Abo Unit  
Lea County, New Mexico

Dear Mr. Sweeney:

Reference is made to your request dated March 6, 1989, to increase the surface injection pressure on four wells within the North Vacuum Abo Unit Waterflood Project. This request is based on step rate tests conducted on these wells during February, 1989. 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.

WELL AND LOCATION

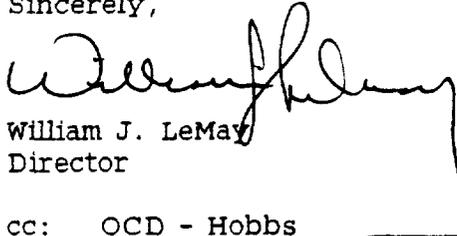
MAXIMUM INJECTION  
SURFACE PRESSURE

NVAU Well No. 143 Unit B, Section 27, T-17S, R-34E, NMPPM;	3875 PSIG
NVAU Well No. 149 Unit J, Section 27, T-17S, R-34E, NMPPM;	3650 PSIG
NVAU Well No. 163 Unit J, Section 15, T-17S, R-34E, NMPPM; and	4000 PSIG
NVAU Well No. 210 Unit L, Section 23, T-17S, R-34E, NMPPM.	3950 PSIG

Injection Pressure Increase  
Mobil Exploration and Producing, US, Inc.  
April 12, 1989  
Page 2

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,

A handwritten signature in cursive script, appearing to read "William J. LeMay". A vertical line extends from the bottom of the signature down to a black rectangular redaction box.

William J. LeMay  
Director

cc: OCD - Hobbs  
File: WFX-557, [REDACTED]  
T. Gallegos  
D. Catanach



STATE OF NEW MEXICO  
 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
 OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
 GOVERNOR

POST OFFICE BOX 2088  
 STATE LAND OFFICE BUILDING  
 SANTA FE, NEW MEXICO 87504  
 (505) 827-5800

September 11, 1989

Mobil Exploration & Producing U.S., Inc.  
 P.O. Box 633  
 Midland, TX 79702

*PMK-140*

Attention: M.E. Sweeney

RE: Injection Pressure Increase  
 N. Vacuum Abo Unit  
 Well Nos. 209, 214, 224 & 302  
 Lea County, New Mexico

Dear Mr. Sweeney:

Reference is made to your request dated August 10, 1989, to increase the surface injection pressure on four wells within the N. Vacuum Abo East Unit Waterflood Project. This request is based on step rate tests conducted on these wells during July, 1989. 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>
NVAU Well No. 209 Unit J, Section 22, T-17 South, R-34 East, NMPM;	4140 PSIG
NVAU Well No. 214 Unit D, Section 11, T-17 South, R-34 East, NMPM;	3590 PSIG
NVAU Well No. 224 Unit B, Section 11, T-17 South, R-34 East, NMPM; and	2880 PSIG

Injection Pressure Increase  
Mobil Exploration and Producing U.S., Inc.  
September 11, 1989  
Page 2

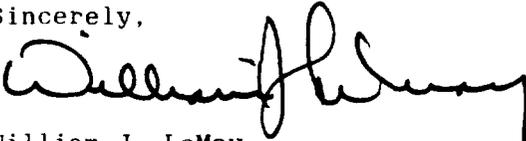
NVAU Well No. 302  
Unit J, Section 3, T-17 South,  
R-34 East, NMPM,

4325 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

cc: Oil Conservation Division - Hobbs  
File: WFX-557, PMX-140  
T. Gallegos  
D. Catanach