



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

BRUCE KING  
GOVERNOR

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

January 3, 1991

Arch Petroleum, Inc.  
Penthouse II A, Fort Worth Club Tower  
Fort Worth, TX 76102

Attention: Jim B. Paschall

*RE: Injection Pressure Increase  
Artesia Flood No. 3 Waterflood Project  
Eddy County, New Mexico*

Dear Mr. Paschall:

Reference is made to your request of November 4, 1990, to increase the surface injection pressure on three wells within the Artesia Flood No. 3 Waterflood Project. This request is based on step rate test conducted on these wells on November 9 and 10, 1990. 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

Resler Yates State No. 55  
Unit B, Section 32, T-18 South,  
R-28 East, NMPM;

1020 PSIG

Resler Yates State No. 379  
Unit G, Section 32, T-18 South,  
R-28 East, NMPM; and

670 PSIG

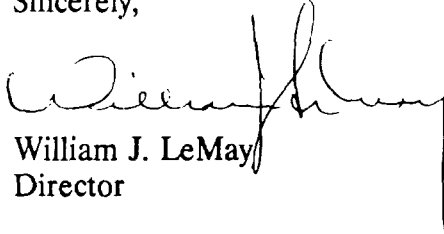
Resler Yates State No. 380  
Unit H, Section 32, T-18 South,  
Range 28 East, NMPM.

1240 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,

A handwritten signature in cursive script, appearing to read "William J. LeMay". The signature is written in dark ink and is positioned above the printed name and title.

William J. LeMay  
Director

cc: Oil Conservation Division - Artesia  
File: WFX-588  
D. Catanach