

## STATE OF NEW MEXICO

## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

## OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

October 17, 1991

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800Shell Western E & P Inc.  
P.O. Box 576  
Houston, Texas 77001

Attention: W.F.N. Kelldorf

*RE: Injection Pressure Increase  
N. Hobbs GISA Unit  
Lea County, New Mexico*

Dear Mr. Kelldorf:

Reference is made to your request dated September 4, 1991, to increase the surface injection pressure on seven wells within the North Hobbs Grayburg San Andres Unit Pressure Maintenance Project. This request is based on step rate tests conducted on these wells during 1991. The results of the test 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 LOCATIONMAXIMUM INJECTION  
SURFACE PRESSURENHGSAU No. 23-211  
Unit C, Section 23, T-18S,  
R-37E, NMPM

1015 PSIG

NHGSAU No. 23-341  
Unit O, Section 23, T-18S,  
R-37E, NMPM

1325 PSIG

NHGSAU No. 29-342  
Unit O, Section 29, T-18S,  
R-37E, NMPM

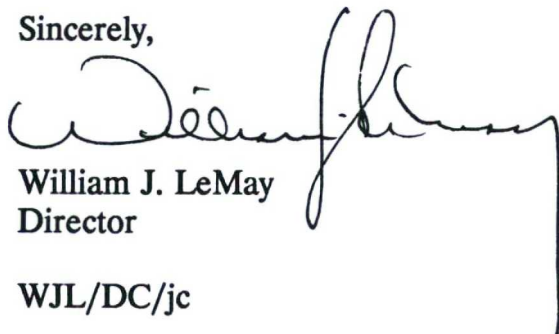
1050 PSIG

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NHGSAU No. 30-141 Unit M, Section 30, T-18S, R-38E, NMPM	1365 PSIG
NHGSAU No. 32-112 Unit E, Section 32, T-18S, R-38E, NMPM	1790 PSIG
NHGSAU No. 36-321 Unit G, Section 36, T-18S, R-37E, NMPM	1740 PSIG
NHGSAU No. 36-411 Unit A, Section 36, T-18S, R-37E, NMPM	1950 PSIG

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/DC/jc

cc: Oil Conservation Division - Hobbs  
File: Case No. 6653  
D. Catanach ✓  
R. Brown