



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



May 12, 1992

BRUCE KING
 GOVERNOR

ANITA LOCKWOOD
 CABINET SECRETARY

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

Greenhill Petroleum Company
 11490 Westheimer Road, Suite 200
 Houston, Texas 77077-6841

*RE: Injection Pressure Increase
 Loving San Andres Unit
 Waterflood Project
 Lea County, New Mexico*

Dear Sir:

Reference is made to your request dated April 21, 1992, to increase the surface injection pressure on nine wells in the Lovington San Andres Unit Waterflood Project. This request is based on step rate tests conducted on these wells between March 12 and April 4, 1992. 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.

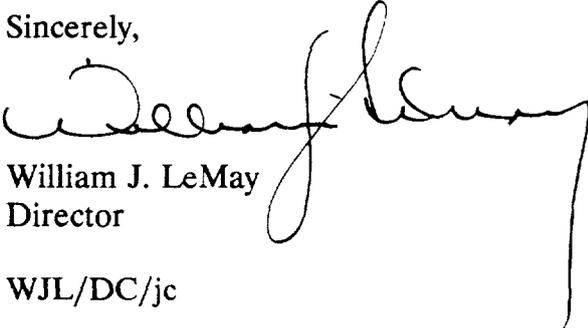
You are therefore authorized to increase the surface injection pressure on the following wells:

WELL AND LOCATION	<u>MAXIMUM INJECTION SURFACE PRESSURE</u>
LSAU No. 9 "H" 1980' FNL & 660' FEL 36-16S-36E	1730 PSIG
LSAU No. 17 "I" 1980' FSL & 990' FEL 31-16S-37E	1990 PSIG
LSAU No. 24 "P" 660' FSL & 660' FEL 36-16S-36E	2039 PSIG
LSAU No. 26 "N" 660' FSL & 1980' FWL 36-16S-36E	1600 PSIG

<u>WELL AND LOCATION</u>	<u>MAXIMUM INJECTION SURFACE PRESSURE</u>
LSAU No. 35 "C" 339' FNL & 1980' FWL 6-17S-37E	2141 PSIG
LSAU No. 37 "A" 330' FNL & 990' FEL 6-17S-37E	2166 PSIG
LSAU No. 41 "G" 1980' FNL & 1980' FEL 1-17S-36E	2072 PSIG
LSAU No. 43 "E" 1980' FNL & 660' FWL 1-17S-36E	1450 PSIG
LSAU No. 57 "M" 660' FSL & 660' FWL 36-16S-36E	2276 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: R-9431
WFX-615 ✓