



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	MAXIMUM INJECTION <u>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

WELL AND LOCATION

MAXIMUM INJECTION  
SURFACE PRESSURE

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

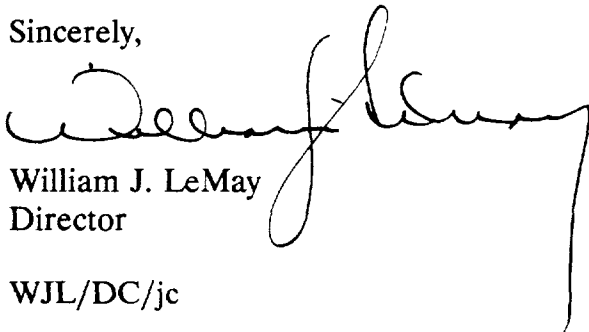
1450 PSIG

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 ✓