



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

September 11, 1992

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

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

Michael J. Newport

*RE: Injection Pressure Increase
Lovington San Andres Unit
8 Wells
Lea County, New Mexico*

Dear Sir:

Reference is made to your request dated August 25, 1992, to increase the surface injection pressure on 8 wells in the Lovington San Andres Unit. This request is based on a step rate tests conducted on these wells from July 28 to August 3, 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>
Lovington San Andres Unit No. 11 1980' FNL & 1980' FWL "F" 31-16S-36E	1480 PSIG
Lovington San Andres Unit No. 13 1760' FSL & 440' FEL "I" 36-16S-36E	2200 PSIG
Lovington San Andres Unit No. 20 660' FSL & 660' FEL "P" 31-16S-37E	1980 PSIG

WELL AND LOCATION

MAXIMUM INJECTION
SURFACE PRESSURE

Lovington San Andres Unit No. 23
660' FSL & 990' FWL
"M" 31-16S-37E

2150 PSIG

Lovington San Andres Unit No. 26
660' FSL & 1980' FWL
"N" 36-16S-36E

1925 PSIG

Lovington San Andres Unit No. 35
339' FNL & 1980' FWL
"C" 6-17S-37E

2200 PSIG

Lovington San Andres Unit No. 37
330' FNL & 990' FEL
"A" 6-17S-37E

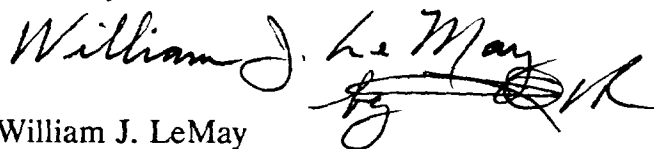
1911 PSIG

Lovington San Andres Unit No. 38
1650' FNL & 1980' FWL
"F" 6-17S-37E

2200 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: WFX-632 ✓
David Catanach