



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

March 16, 1993

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

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

Attention: Michael J. Newport

*RE: Injection Pressure Increase, Five Wells in the Lovington San  
Andres Unit Waterflood Project. Lea County, New Mexico*

Dear Mr. Newport:

Reference is made to your request dated March 3, 1993 to increase the surface injection pressure on five wells in the Lovington San Andres Waterflood Project. This request is based on step rate tests conducted on these wells between February 2 and 5, 1993. 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:

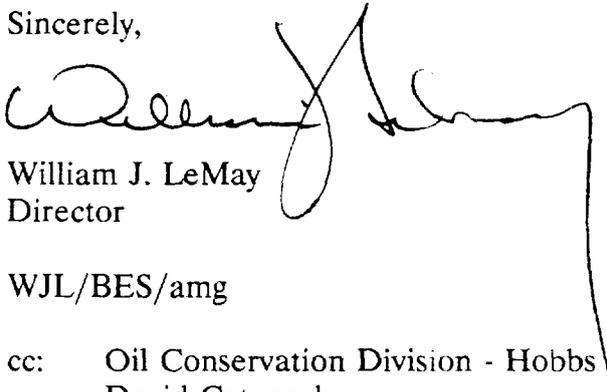
Well and Location	Maximum Injection Surface Pressure
LSAU No. 8 2310' FNL - 1980' FWL Unit F, Section 31, Township 16 South, Range 37 East	1750 PSIG
LSAU No. 12 1980' FSL - 1980' FWL Unit K, Section 36, Township 16 South, Range 36 East	1925 PSIG
LSAU No. 31 660' FNL - 1980' FWL Unit C, Section 1, Township 17 South, Range 36 East	2150 PSIG

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Well and Location	Maximum Injection Surface Pressure
LSAU No. 33 660' FNL - 660' FEL Unit A, Section 1, Township 17 South, Range 36 East	2193 PSIG
LSAU No. 40 1980' FNL - 660' FEL Unit H, Section 1, Township 17 South, Range 36 East	1750 PSIG
All wells located 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,



William J. LeMay  
Director

WJL/BES/amg

cc: Oil Conservation Division - Hobbs  
David Catanach  
File: WFX-615  
WFX-632  
Case No. 10154