

PDEV0020600598

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

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

September 4, 1991

Greenhill Petroleum Corporation  
11490 Westheimer  
Suite 200  
Houston, Texas 77077

Attention: Michael J. Newport

Dear Mr. Newport:

Reference is made to your request dated July 30, 1991, to increase the surface injection pressure on sixteen wells within the West Lovington Unit Waterflood Project. This request is based on step rate tests conducted on six injection wells within the unit. 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 to 2200 psi for those wells shown on Exhibit "A" attached hereto.

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

xc: OCD-Hobbs  
File-WFX-598  
R. Brown  
D. Catanach ✓

**EXHIBIT "A"**  
**INJECTION PRESSURE INCREASE**  
**WEST LOVINGTON UNIT**

WELL NAME AND LOCATION	WELL LOCATION
West Lovington Unit No. 11	Unit H, Section 5, T-17S, R-36E
West Lovington Unit No. 12	Unit E, Section 4, T-17S, R-36E
West Lovington Unit No. 13	Unit F, Section 4, T-17S, R-36E
West Lovington Unit No. 19	Unit K, Section 5, T-17S, R-36E
West Lovington Unit No. 23	Unit K, Section 4, T-17S, R-36E
West Lovington Unit No. 25	Unit I, Section 4, T-17S, R-36E
West Lovington Unit No. 35	Unit N, Section 4, T-17S, R-36E
West Lovington Unit No. 36	Unit O, Section 4, T-17S, R-36E
West Lovington Unit No. 37	Unit P, Section 4, T-17S, R-36E
West Lovington Unit No. 40	Unit C, Section 7, T-17S, R-36E
West Lovington Unit No. 42	Unit A, Section 7, T-17S, R-36E
West Lovington Unit No. 44	Unit C, Section 8, T-17S, R-36E
West Lovington Unit No. 46	Unit A, Section 8, T-17S, R-36E
West Lovington Unit No. 48	Unit C, Section 9, T-17S, R-36E
West Lovington Unit No. 50	Unit E, Section 7, T-17S, R-36E
West Lovington Unit No. 61	Unit K, Section 8, T-17S, R-36E