



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

October 15, 1996

Plains Petroleum Operating Company
415 West Wall Street, Suite 1000
Midland, Texas 79701

Attn: Ms. Bonnie Husband

**RE: *Injection Pressure Increase
Carter-Mattix Waterflood Project - 3 wells,
Lea County, New Mexico.***

Dear Ms. Husband:

Reference is made to your request dated August 22, 1996 to increase the surface injection pressure on three wells in the above referenced project. This request is based on step rate tests conducted on these wells on August 14 and 15, 1996. The results of the tests have been reviewed by my staff and we feel an increase in injection pressures on these wells is justified at this time.

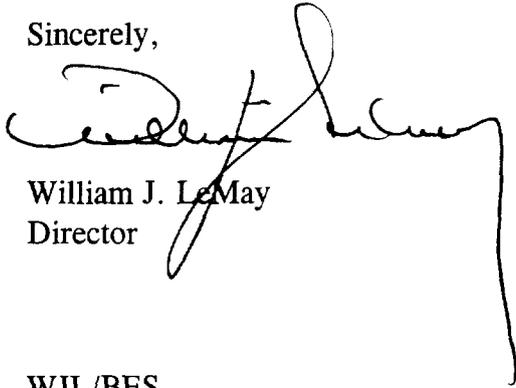
You are therefore authorized to increase the surface injection pressure on the following wells:

<i>Well and Location</i>	<i>Maximum Injection Surface Pressure</i>
G.H. Mattix Federal Well No.5 Unit E, Section 3, Township 24 South, Range 37 East	1035 PSIG
G.H. Mattix Federal Well No.6 Unit O, Section 3, Township 24 South, Range 37 East	940 PSIG
G.H. Mattix Federal Well No.7 Unit K, Section 3, Township 24 South, Range 37 East	860 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.

Injection Pressure Increase
Plains Petroleum Operating Company
October 15, 1996
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Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay". The signature is written in a cursive style with a large, looping initial "W".

William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Hobbs
Bureau of Land Management - Carlsbad
Files: Case File Nos. 7662; WFX-641; 1st Qtr. 97-PSI-X