



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

July 18, 2001

Lori Wrotenbery
Director
Oil Conservation Division

Sage Energy Company
P.O. Drawer 3068
Midland, Texas 79702-3068

IPI-168

Attn: Mr. George M. Harris, Jr.

**RE: *Injection Pressure Increase
North Vacuum (Abo) North Unit Waterflood Project
Lea County, New Mexico***

Dear Mr. Harris:

Reference is made to your request dated June 5, 2001 to increase the surface injection pressure on three wells within the North Vacuum (Abo) North Unit Waterflood Project. This request is based on step rate tests conducted on these wells on June 6, 2001. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure for 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 Surface Injection Pressure</i>
North Vacuum (Abo) North Unit "5B" Well No. 1 API No. 30-025-24341 Unit Letter P, Section 1, Township 17 South, Range 34 East	4115 PSIG
North Vacuum (Abo) North Unit "10" Well No. 1 API No. 30-025-25059 Unit Letter D, Section 1, Township 17 South, Range 34 East	4410 PSIG
North Vacuum (Abo) North Unit "13" Well No. 1 API No. 30-025-25066 Unit Letter B, Section 2, Township 17 South, Range 34 East	4270 PSIG

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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,



Lori Wrotenberg
Director

LW/DRC

cc: Oil Conservation Division - Hobbs
Files: 4th Qtr 2001 IPI; Case File No.10103