



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

April 14, 1992

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

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

Attention: Jay H. Hardy

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

Dear Mr. Hardy:

Reference is made to your request dated May 5, 1992, to increase the surface injection pressure on six (6) wells in the North Vacuum (Abo) North Unit. This request is based on step rate tests conducted on these wells between April 29 & May 1, 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

MAXIMUM INJECTION
SURFACE PRESSURE

NVANU 3 No. 1
1780' FSL & 1980' FEL
Unit J, 1-17S-34E

3000 PSIG

NVANU 4A No. 1
1980' FSL & 860' FWL
Unit L, 1-17S-34E

3200 PSIG

WELL AND LOCATION

MAXIMUM INJECTION
SURFACE PRESSURE

NVANU 5B No. 1
660' FSL & 860' FEL
Unit P, 1-17S-34E

3100 PSIG

NVANU 2A No. 1
460' FSL & 1980' FWL
Unit N, 1-17S-34E

3200 PSIG

NVANU 14 No. 1
860' FNL & 660' FWL
Unit D, 12-17S-34E

3000 PSIG

NVANU 14 No. 2
1980' FNL & 1780' FWL
Unit F, 12-17S-34E

2700 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: R-9359
D. Catanach ✓
R. Brown