



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

Apache Corporation

6120 S. Yale, Suite 1500

Tulsa, Oklahoma 74136

August 13, 2002

Lori Wrotenbery

Director

Oil Conservation Division

Attn: Mr. Kevin Mayes

**RE: *Injection Pressure Increase,
Northeast Drinkard Unit
Waterflood Project
Lea County, New Mexico***

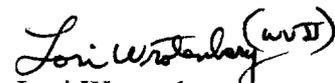
Dear Mr. Mayes:

Reference is made to your request dated July 25, 2002, to increase the surface injection pressure on all injection wells within the above-referenced water flood project. This request is based on recent step rate tests conducted on twelve (12) injection wells during 2002. Test results have been reviewed, and we feel an increase in injection pressure is justified at this time.

You are therefore authorized to increase the surface injection pressure on all current injection wells within this water flood to a maximum surface injection pressure of 1375 psig. In addition, you are authorized to increase the surface injection pressures on the twelve (12) test wells to the pressures as shown on the attached Exhibit "A".

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected fluid is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,


Lori Wrotenbery
Director

LW/wvj

cc: Oil Conservation Division - Hobbs

Files: R-8541; IPI-2002; WFX-576, 579, 583, 624, 674, 722, 740, 752, 759, and 774

Attachment

Exhibit "A"
Apache Corporation
Northeast Drinkard Unit (NEDU)
Township 21 South, Range 37 East, NMPM, Lea County, New Mexico
Injection Pressure Increases

| <i>Injection Well</i> | <i>Top Perf Depth Feet</i> | <i>Maximum Surface Injection Pressure PSIG</i> | <i>Order Number</i> |
|---|------------------------------------|--|-------------------------|
| NEDU Well No. 111, API No. 30-025-26670 | 5807 | 2160 | R-8541 |
| NEDU Well No. 115, API No. 30-025-06340 | 5866 | 2240 | R-8541 |
| NEDU Well No. 210, API No. 30-025-06502 | 6576 | 2250 | WFX-722 |
| NEDU Well No. 215, API No. 30-025-06341 | 5767 | 1970 | WFX-722 |
| NEDU Well No. 303, API No. 30-025-06512 | 6528 | 1710 | R-8541 |
| NEDU Well No. 308, API No. 30-025-06494 | 6566 | 1920 | WFX-674 |
| NEDU Well No. 403, API No. 30-025-06449 | 5716 | 1900 | R-8541 |
| NEDU Well No. 605, API No. 30-025-06613 | 5698 | 1375 | R-8541 |
| NEDU Well No. 709, API No. 30-025-06595 | 5748 | 1790 | R-8541 |
| NEDU Well No. 806, API No. 30-025-06727 | 5578 | 1400 | WFX-759 |
| NEDU Well No. 911, API No. 30-025-06760 | 5469 | 1375 | WFX-759 |
| NEDU Well No. 913, API No. 30-025-09932 | 5557 | 1375 | WFX-579 |