



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop  
Cabinet Secretary

August 27, 2003

Lori Wrotenbery

Director

Oil Conservation Division

Nance Petroleum Corporation  
P.O. Box 7168  
Billings, Montana 59103

Attn: Mr. Mike Mungas

**RE: Injection Pressure Increase,  
Parkway Delaware Unit Waterflood Project  
Eddy County, New Mexico**



Dear Mr. Mungas:

Reference is made to your request dated July 29, 2003, to increase the surface injection pressure on thirteen injection wells within the Parkway Delaware Unit Waterflood Project, Parkway-Delaware Pool, Eddy County, New Mexico. This request is based on step rate tests conducted in May and July, 2003. The results of the test 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:

| <b>WELL NAME &amp; NUMBER</b>                                                           | <b>MAXIMUM<br/>SURFACE<br/>INJECTION<br/>PRESSURE</b> |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------|
| Parkway Delaware Unit No. 302, Unit E, Section 35, T-19S, R-29E<br>API No. 30-015-26006 | 1225 psi                                              |
| Parkway Delaware Unit No. 505, Unit L, Section 35, T-19S, R-29E<br>API No. 30-015-26029 | 1225 psi                                              |
| Parkway Delaware Unit No. 204, Unit D, Section 35, T-19S, R-29E<br>API No. 30-015-26143 | 1225 psi                                              |
| Parkway Delaware Unit No. 601, Lot 2, Section 2, T-20S, R-29E<br>API No. 30-015-26433   | 1225 psi                                              |
| Parkway Delaware Unit No. 303, Unit F, Section 35, T-19S, R-29E<br>API No. 30-015-27445 | 1225 psi                                              |
| Parkway Delaware Unit No. 506, Unit J, Section 35, T-19S, R-29E<br>API No. 30-015-27464 | 1225 psi                                              |

*Injection Pressure Increase  
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| <b>WELL NAME &amp; NUMBER</b>                                                           | <b>MAXIMUM<br/>SURFACE<br/>INJECTION<br/>PRESSURE</b> |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------|
| Parkway Delaware Unit No. 304, Unit G, Section 35, T-19S, R-29E<br>API No. 30-015-29503 | 1225 psi                                              |
| Parkway Delaware Unit No. 507, Unit G, Section 35, T-19S, R-29E<br>API No. 30-015-29504 | 1225 psi                                              |
| Parkway Delaware Unit No. 205, Unit H, Section 35, T-19S, R-29E<br>API No. 30-015-30026 | 1225 psi                                              |
| Parkway Delaware Unit No. 703, Unit I, Section 35, T-19S, R-29E<br>API No. 30-015-30027 | 1225 psi                                              |
| Parkway Delaware Unit No. 704, Unit I, Section 35, T-19S, R-29E<br>API No. 30-015-30028 | 1225 psi                                              |
| Parkway Delaware Unit No. 508, Unit J, Section 35, T-19S, R-29E<br>API No. 30-015-30029 | 1225 psi                                              |
| Parkway Delaware Unit No. 509, Unit P, Section 35, T-19S, R-29E<br>API No. 30-015-30030 | 1225 psi                                              |

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/DRC

cc: Oil Conservation Division - Artesia  
Files: IPI-205, PMX-186, PMX-196; WFX-685,  
Case File-10619  
PSI-X-2003