



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

Division Order No. IPI-241

September 29, 2004

ChevronTexaco  
15 Smith Road  
Midland, Texas 79705

Attn: Ms. Cassie Viets

**RE: Injection Pressure Increase,  
West Vacuum Unit Waterflood Project,  
Lea County, New Mexico**

Dear Ms. Viets:

Reference is made to your request dated September 21, 2004 to increase the surface injection pressure on three wells within the West Vacuum Unit Waterflood Project. This request is based on step rate tests conducted on these wells during September, 2004. The results of the tests show that an increase in the surface injection pressure for these wells is justified and will not result in the fracturing of the injection formation and confining strata.

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> |
|---|---|
| West Vacuum Unit Well No. 57 (API No. 30-025-33599)<br>Unit P, Section 34 Township 17 South, Range 34 East  | 2250 PSIG                                 |
| West Vacuum Unit Well No. 58 (API No. 30-025-33588)<br>Unit B, Section 3, Township 18 South, Range 34 East  | 2350 PSIG                                 |
| West Vacuum Unit Well No. 68 (API No. 30-025-33768)<br>Unit A, Section 34, Township 17 South, Range 34 East | 2190 PSIG                                 |

*Injection Pressure Increase*  
*ChevronTexaco*  
*September 29, 2004*  
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The Division Director may rescind these injection pressure increases if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark E. Fesmire", with a long horizontal stroke extending to the right.

Mark E. Fesmire, P.E.  
Director

MEF/drc

cc: Oil Conservation Division - Hobbs  
File: Case No. 3345