



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**  
Governor  
**Joanna Prukop**  
Cabinet Secretary

January 21, 2005

**Mark E. Fesmire, P.E.**  
Director  
Oil Conservation Division

Division Order No. IPI-247

Mewbourne Oil Company  
P.O. Box 7698  
Tyler, Texas 75711

Attention: Mr. K. M. Calvert

**RE: Injection Pressure Increase**  
**Querecho Plains Queen Associated Waterflood Project**  
**Lea County, New Mexico**

Dear Mr. Calvert:

Reference is made to your request received by the Division on January 20, 2005 to increase the surface injection pressure on four wells within the Querecho Plains Queen Associated Waterflood Project. The request to increase the surface injection pressure on these wells is based upon recently-conducted step rate tests. The results of the step rate tests show that an increase in the surface injection pressure for these wells is justified and will not result in the fracturing of the confining strata.

You are therefore authorized to increase the surface injection pressure on the following-described wells located in Township 18 South, Range 32 East, NMPM, Lea County, New Mexico:

<b>WELL NAME &amp; NUMBER</b>	<b>MAXIMUM SURFACE INJECTION PRESSURE</b>
Querecho Plains QA Sand Unit Well No. 3 API No. 30-025-24674 1980' FSL & 1980' FEL, Unit J, Section 23	1850 PSIG
Querecho Plains QA Sand Unit Well No. 6 API No. 30-025-27909 1650' FSL & 330' FEL, Unit I, Section 22	1500 PSIG
Querecho Plains QA Sand Unit Well No. 13 API No. 30-025-28149 330' FSL & 2310' FWL, Unit N, Section 22	2300 PSIG

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<b>WELL NAME &amp; NUMBER</b>	<b>MAXIMUM SURFACE INJECTION PRESSURE</b>
Querecho Plains QA Sand Unit Well No. 14 API No. 30-025-28050 660' FSL & 1650' FEL, Unit O, Section 22	2230 PSIG

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,



Mark E. Fesmire, P.E.  
Director

cc: Oil Conservation Division - Hobbs  
File: Case No. 10960  
File: WFX-695