



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joan M Prukop
Cabinet Secretary

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

June 5, 2007

Division Order No. IPI-282

BP America Production Company
501 Westlake Park Blvd. WL1 6.196
Houston, Texas 77079

Attention: Ms. Rachel S. Heidt

**RE: Injection Pressure Increase
Washington "33" State Waterflood Project
Eddy County, New Mexico**

Dear Ms. Heidt:

Reference is made to your request received by the Division on June 4, 2007, to increase the surface injection pressure on the Washington "33" State Wells No. 2, 4, 10, 12, 16, 18 and 23. These wells are all within the BP America Production Company's Washington "33" State Waterflood Project. This request is based on step rate tests conducted on these well on April 12-20, 2007. The results of the step rate test 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 NAME & NUMBER</i>	<i>MAXIMUM SURFACE INJECTION PRESSURE</i>
Washington "33" State Well No. 2 API No. 30-015-30187 Unit A, Section 33, T-17 South, R-28 East;	906 PSIG
Washington "33" State Well No. 4 API No. 30-015-30188 Unit B, Section 33, T-17 South, R-28 East;	534 PSIG
Washington "33" State Well No. 10 API No. 30-015-30192 Unit F, Section 33, T-17 South, R-28 East;	577 PSIG

<i>WELL NAME & NUMBER</i>	<i>MAXIMUM SURFACE INJECTION PRESSURE</i>
Washington "33" State Well No. 12 API No. 30-015-30348 Unit G, Section 33, T-17 South, R-28 East;	626 PSIG
Washington "33" State Well No. 16 API No. 30-015-22415 Unit I, Section 33, T-17 South, R-28 East;	816 PSIG
Washington "33" State Well No. 18 API No. 30-015-21745 Unit J, Section 33, T-17 South, R-28 East;	606 PSIG
Washington "33" State Well No. 23 API No. 30-015-30333 Unit M, Section 33, T-17 South, R-28 East;	718 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.
Division Director

cc: Oil Conservation Division - Artesia
File: Case No. 13750