



well file

**Amoco Production Company**

Amoco Building  
1670 Broadway  
Post Office Box 800  
Denver, Colorado 80201  
303-830-4040

July 10, 1991

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

JUL 11 1991  
OIL CON. DIV  
DIST. 3

File: JWH-130-400

Request for Increase in Surface Injection Pressure  
Administrative Order No. SWD-396

Mudge LS 16

3-NE/4 Section 10, T31N R11W  
San Juan County, New Mexico

Amoco requests that the surface injection pressure limitation for the subject well be increased from 1486 psi to 3000 psi. Note the attached plot of bottom hole pressure versus rate for a step rate test (SRT) performed by Amoco on June 28, 1991, and witnessed by the NMOCD. The SRT was performed down 2 3/8" tubing and consisted of 1 hour time steps. The resulting formation parting pressure was 5900 psia bottom hole, and 3000 psig at the surface. Bottom hole pressures were measured with a downhole recorder set at 7500'.

Based on the data collected during the step rate test, Amoco will be unable to inject into the well at any rate under the current 1486 psi limit. An increase in the pressure limitation will allow Amoco to pump 500-1000 BWPD in the unstimulated Morrison formation and still remain below the formation parting pressure.

If you have questions regarding this request, please call Paul Edwards in Denver at (303) 830-5572.

J. W. Hohle  
Resource Manager

PAE/mlg

Attachment

cc: New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87504  
J. W. Hawkins - Amoco, Denver  
B. D. Shaw - Amoco, Farmington