



Texaco Exploration and Production Inc  
Permian Basin Business Unit  
Hobbs Operating Unit

P. O. Box 3109  
Midland TX 79702-3019  
505 688 4100

*Donna P.  
Sylvia*

October 9, 2000

New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe NM 87501

Attention: Mr. Mark Ashley

RE: **Request for Increase in Surface Injection Pressure Limit**  
Texaco Exploration & Production Inc

Central Vacuum Unit Well No. 242  
Section 36, T 17 S, R 34 E, Lea County, New Mexico, and  
Vacuum Grayburg San Andres Unit No. 30  
Section 2, T 18 S, R 34 E, Lea County, New Mexico

Dear Mr. Ashley,

Texaco requests permission to inject into the subject wells at a higher pressure than what is currently permitted. Step rate tests were performed on CVU No. 242 on October 3 and on VGSAU No. 30 on October 4.

The test of CVU No. 242 failed to reveal a break in the rate vs. pressure curve up to a surface water injection pressure (corrected for friction losses) of 1461 PSIG. Based on this result we are asking for pressure limits of 1461 psig while injecting water and 1811 psig for CO<sub>2</sub> injection. The higher injection pressure is needed for optimum CO<sub>2</sub> flood efficiency in this pattern. We plan on injecting CO<sub>2</sub> in this well within the next two years.

The test of VGSAU resulted in a break in the rate vs. pressure curve at a surface water injection pressure (corrected for friction) of 2054 PSIG. We ask for an increase in our maximum allowed water injection pressure to 2054 PSIG.

Copies of the test results are attached for your review. Please call me at 915-688-4577 if you would like to discuss this request.

Yours truly,

Stephen Guillot  
Production Engineer

Attachments

cc: Mr. Chris Williams, Hobbs NMOCD