



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

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

Director

**Oil Conservation Division**

July 10, 2006

Division Order No. IPI-269

Occidental Permian Ltd. Partnership  
P.O. Box 4294  
Houston, Texas 77210-4294

Attention: Mr. Mark Stephens

**RE:   *Injection Pressure Increase  
North Hobbs Grayburg San Andres Unit  
Pressure Maintenance Project  
Lea County, New Mexico***

Dear Mr. Stephens:

Reference is made to your request received by the Division on June 20, 2006, to increase the surface injection pressure on twenty-six injection wells within the North Hobbs Grayburg San Andres Unit Pressure Maintenance Project. This request is based on step rate test data obtained during 2005. The results of the step rate test data show that an increase in the surface injection pressure for these well 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 to **1100 psi** on the following wells:

| <u>Well Name &amp; Number</u> | <u>API Number</u> | <u>Well Location</u>             |
|-------------------------------|-------------------|----------------------------------|
| NHGSAU Well No. 111           | 30-025-07422      | Unit D, Section 28, T-18S, R-38E |
| NHGSAU Well No. 232           | 30-025-28882      | Unit K, Section 28, T-18S, R-38E |
| NHGSAU Well No. 242           | 30-025-29276      | Unit N, Section 28, T-18S, R-38E |
| NHGSAU Well No. 311           | 30-025-07417      | Unit B, Section 28, T-18S, R-38E |
| NHGSAU Well No. 422           | 30-025-27243      | Unit H, Section 28, T-18S, R-38E |
| NHGSAU Well No. 441           | 30-025-07411      | Unit P, Section 28, T-18S, R-38E |
| NHGSAU Well No. 341           | 30-025-07500      | Unit O, Section 31, T-18S, R-38E |
| NHGSAU Well No. 132           | 30-025-27139      | Unit L, Section 32, T-18S, R-38E |

|                     |              |                                  |
|---------------------|--------------|----------------------------------|
| NHGSAU Well No. 141 | 30-025-07523 | Unit M, Section 32, T-18S, R-38E |
| NHGSAU Well No. 142 | 30-025-28265 | Unit M, Section 32, T-18S, R-38E |
| NHGSAU Well No. 144 | 30-025-31662 | Unit M, Section 32, T-18S, R-38E |
| NHGSAU Well No. 341 | 30-025-07539 | Unit O, Section 32, T-18S, R-38E |
| NHGSAU Well No. 342 | 30-025-28266 | Unit O, Section 32, T-18S, R-38E |
| NHGSAU Well No. 432 | 30-025-26974 | Unit I, Section 32, T-18S, R-38E |
| NHGSAU Well No. 142 | 30-025-28411 | Unit M, Section 33, T-18S, R-38E |
| NHGSAU Well No. 211 | 30-025-07564 | Unit C, Section 33, T-18S, R-38E |
| NHGSAU Well No. 221 | 30-025-07560 | Unit F, Section 33, T-18S, R-38E |
| NHGSAU Well No. 231 | 30-025-07545 | Unit K, Section 33, T-18S, R-38E |
| NHGSAU Well No. 232 | 30-025-26834 | Unit K, Section 33, T-18S, R-38E |
| NHGSAU Well No. 322 | 30-025-27169 | Unit G, Section 33, T-18S, R-38E |
| NHGSAU Well No. 342 | 30-025-28267 | Unit O, Section 33, T-18S, R-38E |
| NHGSAU Well No. 422 | 30-025-28268 | Unit H, Section 33, T-18S, R-38E |
| NHGSAU Well No. 432 | 30-025-28269 | Unit I, Section 33, T-18S, R-38E |
| NHGSAU Well No. 534 | 30-025-34373 | Unit J, Section 33, T-18S, R-38E |
| NHGSAU Well No. 543 | 30-025-34997 | Unit H, Section 33, T-18S, R-38E |
| NHGSAU Well No. 631 | 30-025-34994 | Unit B, Section 33, T-18S, R-38E |

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 - Hobbs  
Case File: 12722