



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

*ADMINISTRATIVE ORDER NO. PMX-205*

***APPLICATION OF OCCIDENTAL PERMIAN LTD. TO EXPAND ITS PRESSURE  
MAINTENANCE PROJECT IN THE HOBBS GRAYBURG-SAN ANDRES POOL IN  
LEA COUNTY, NEW MEXICO***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-6199, Occidental Permian, Ltd. has made application to the Division on July 13, 2000, July 20, 2000 and July 28, 2000 for permission to expand its North Hobbs Grayburg-San Andres Unit Pressure Maintenance Project in the Hobbs Grayburg-San Andres Pool in Lea County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection wells are eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced pressure maintenance project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

**IT IS THEREFORE ORDERED THAT:**

The applicant, Occidental Permian, Ltd., be and the same is hereby authorized to inject water into the Grayburg and San Andres formations at approximately 4100 feet to approximately 4300 feet through 2 7/8-inch plastic or fiberglass lined tubing set in a packer located approximately 100 feet above the uppermost injection perforations in the following described wells for purposes of pressure maintenance to wit:

**North Hobbs (Grayburg/San Andres) Unit Well No. 111**  
**(API No. 30-025-12505)**  
330 FNL & 330 FWL, Unit 'D', Section 33,  
Township 18 South, Range 38 East, NMPM,  
Injection Interval 4100 feet to 4300 feet  
Maximum Injection Pressure - 820 psig

**North Hobbs (Grayburg/San Andres) Unit Well No. 131**  
**(API No. 30-025-12497)**  
2310 FSL & 330 FWL, Unit 'L', Section 28,  
Township 18 South, Range 38 East, NMPM,  
Injection Interval 4100 feet to 4300 feet  
Maximum Injection Pressure - 820 psig

**North Hobbs (Grayburg/San Andres) Unit Well No. 144**  
**(API No. 30-025-31662)**  
765 FSL & 1175 FWL, Unit 'M', Section 32,  
Township 18 South, Range 38 East, NMPM,  
Injection Interval 4100 feet to 4300 feet  
Maximum Injection Pressure - 820 psig

**North Hobbs (Grayburg/San Andres) Unit Well No. 211**  
**(API No. 30-025-07564)**  
330 FNL & 2310 FWL, Unit 'C', Section 33,  
Township 18 South, Range 38 East, NMPM,  
Injection Interval 4100 feet to 4300 feet  
Maximum Injection Pressure - 820 psig

<sup>SOUTH</sup>  
~~North~~ **Hobbs (Grayburg/San Andres) Unit Well No. 239**  
**(API No. 30-025-34946)**  
1984 FSL & 370 FEL, Unit 'I', Section 5,  
Township 19 South, Range 38 East, NMPM,  
Injection Interval 4100 feet to 4300 feet  
Maximum Injection Pressure - 820 psig

**North Hobbs (Grayburg/San Andres) Unit Well No. 534  
(API No. 30-025-34373)**  
2415 FSL & 2200 FEL, Unit 'J', Section 33,  
Township 18 South, Range 38 East, NMPM,  
Injection Interval 4100 feet to 4300 feet  
Maximum Injection Pressure - 820 psig

**North Hobbs (Grayburg/San Andres) Unit Well No. 631  
(API No. 30-025-34994)**  
834 FNL & 1520 FEL (bottomhole), Unit 'B', Section 33,  
Township 18 South, Range 38 East, NMPM,  
Injection Interval 4100 feet to 4300 feet  
Maximum Injection Pressure - 820 psig

located in Lea County, New Mexico.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected fluid enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection wells or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection wells to no more than .2 psi per foot of depth to the uppermost injection perforation.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected fluid from the Grayburg or San Andres formations.

The operator shall immediately notify the supervisor of the Hobbs district office of the Division of the failure of the tubing, casing or packer in said wells and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject wells shall be governed by all provisions of Division Order No. R-6199 and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority for the wells granted herein, shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the wells, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

DONE at Santa Fe, New Mexico, on this 14<sup>th</sup> day of August, 2000.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



LORI WROTENBERY  
DIRECTOR

S E A L

LW/MWA/kv

cc: Oil Conservation Division - Hobbs