



BRUCE KING  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION



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SANTA FE, NEW MEXICO 87504  
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*ADMINISTRATIVE ORDER NO. WFX-618*

*APPLICATION OF CHEVRON U.S.A. INC. TO EXPAND ITS WATERFLOOD PROJECT  
IN THE EUNICE MONUMENT - GRAYBURG SAN ANDRES POOL IN LEA COUNTY,  
NEW MEXICO*

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Order No. R-7766, Chevron U.S.A. Inc. has made application to the Division on December 9, 1991, for permission to expand its Eunice Monument South Unit Waterflood Project in the Eunice Monument - 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 Waterflood Project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, Chevron U.S.A. Inc., be and the same is hereby authorized to inject water into the Eunice Monument - Grayburg San Andres Pool at approximately 3682 feet to approximately 3972 feet through 2 3/8 inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the wells shown on Exhibit "A" attached hereto for purposes of secondary recovery to wit.

IT IS FURTHER ORDERED THAT:

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

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

The casing-tubing annulus in each well 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/ft. of depth to the uppermost perforation, as shown on Exhibit "A".

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said wells that such higher pressure will not result in migration of the injected fluid from the Eunice Monument - Grayburg San Andres Pool. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

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 any of said wells and shall take such steps as may be timely and necessary to correct such failure or leakage.

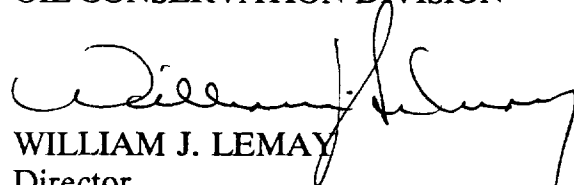
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The subject wells shall be governed by all provisions of Division Order No. R-7766, as amended and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

DONE at Santa Fe, New Mexico, on this 21st day of January, 1992.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director

S E A L

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cc: Oil Conservation Division - Hobbs  
State Land Office - Santa Fe

**EXHIBIT "A"**  
**DIVISION ORDER NO. WFX-618**  
**EUNICE MONUMENT SOUTH UNIT**  
**APPROVED INJECTION WELLS**

| <i>Well Number</i> | <i>Location</i>       | <i>Unit</i> | <i>S-T-R</i> | <i>Injection Intervals</i> | <i>Packer Depth</i> | <i>Tubing Size</i> | <i>Injection Pressure</i> |
|--------------------|-----------------------|-------------|--------------|----------------------------|---------------------|--------------------|---------------------------|
| EMSU NO. 226       | 3300' FSL & 1980' FEL | O           | 5-21S-36E    | 3714' - 3972'              | 3675'               | 2 3/8"             | 743 PSIG                  |
| EMSU NO. 228       | 3300' FSL & 660' FWL  | M           | 4-21S-36E    | 3700' - 3870'              | 3650'               | 2 3/8"             | 740 PSIG                  |
| EMSU NO. 240       | 1830' FSL & 2080' FWL | S           | 4-21S-36E    | 3682' - 3886'              | 3600'               | 2 3/8"             | 736 PSIG                  |
| EMSU NO. 242       | 1980' FSL & 660' FEL  | Q           | 5-21S-36E    | 3724' - 3950'              | 3675'               | 2 3/8"             | 745 PSIG                  |
|                    |                       |             |              |                            |                     |                    |                           |

ALL IN LEA COUNTY, NEW MEXICO