



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

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ADMINISTRATIVE ORDER NO. PMX-164

*APPLICATION OF CONOCO, INC. TO EXPAND ITS PRESSURE
MAINTENANCE/ENHANCED RECOVERY PROJECT IN THE MALJAMAR GRAYBURG-
SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO*

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Order No. R-6157, Conoco, Inc. has made application to the Division on November 6, 1990 for permission to expand its MCA Unit Pressure Maintenance/Enhanced Recovery Project in the Maljamar Grayburg San Andres Pool in Lea County, New Mexico.

NOW, on this 5th day of February, 1991, 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 well is eligible for conversion to carbon dioxide injection under the terms of Rule 701.
- (5) The proposed expansion of the above-referenced pressure maintenance/enhanced recovery project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, Conoco, Inc., be and the same is hereby authorized to inject carbon dioxide into the Grayburg-San Andres formation at approximately 3714 feet to approximately 4090 feet through 2 3/8-inch plastic lined tubing set in a packer located approximately 100 feet from the uppermost perforation in the following described well for purposes of pressure maintenance/enhanced recovery to wit:

Administrative Order PMX-164

Conoco, Inc.

February 5, 1991

Page 2

MCA Unit Well No. 386
1921' FNL & 1995' FWL (Unit F)
Section 29, T-17 South, R-32 East, NMPM,
Lea County, New Mexico.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected carbon dioxide 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 well, 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 well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 2150 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected carbon-dioxide from the Grayburg-San Andres formation. 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 test 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 said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject well shall be governed by all provisions of Division Order No. R-6157 and Rules 701-708 of the Division Rules and Regulations not inconsistent herewith.

Administrative Order PMX-164

Conoco, Inc.

February 5, 1991

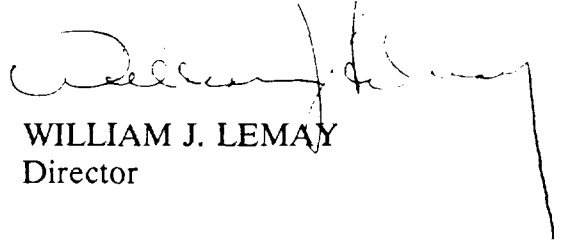
Page 3

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.

The operator shall submit monthly progress reports of the project in accordance with Rules 706 and 1115 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 5th day of February, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

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