



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

AD
W
7

ADMINISTRATIVE ORDER NO. PMX-189

**APPLICATION OF MERRION OIL & GAS TO EXPAND ITS PRESSURE
MAINTENANCE PROJECT IN THE MEDIA-ENTRADA POOL IN
SANDOVAL COUNTY, NEW MEXICO.**

RECEIVED
SEP 25 1997

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

**OIL CON. DIV.
DIST. 3**

Under the provisions of Division Order No. R-5017, Merrion Oil & Gas has made application to the Division on July 31, 1997 for permission to expand its Media-Entrada Unit Pressure Maintenance Project in the Media-Entrada Pool in Sandoval 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, Merrion Oil & Gas, be and the same is hereby authorized to inject water into the Entrada formation at approximately 5239 feet measured depth (TVD 5161 feet) to approximately 5822 feet measured depth (TVD 5207 feet) through 3 1/2-inch plastic lined tubing set in a packer located within 100 feet of the horizontal completion window in the following described well for purposes of pressure maintenance to wit:

Media Entrada Unit Well No.2
Surface - 1650' FSL & 330' FEL,
Section ^T15, Township 19 North, Range 3 West, NMPM
Bottom Hole - 1616' FSL & 472' FWL,
Section 14, Township 19 North, Range 3 West, NMPM
Maximum Injection Pressure: 1032 psig (.2 psi/ft TVD)

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 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 wells to no more than .2 psi per foot of depth to the true vertical depth of the uppermost injection interval.

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 fluid from the Entrada formations. 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 Aztec 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 Aztec 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.

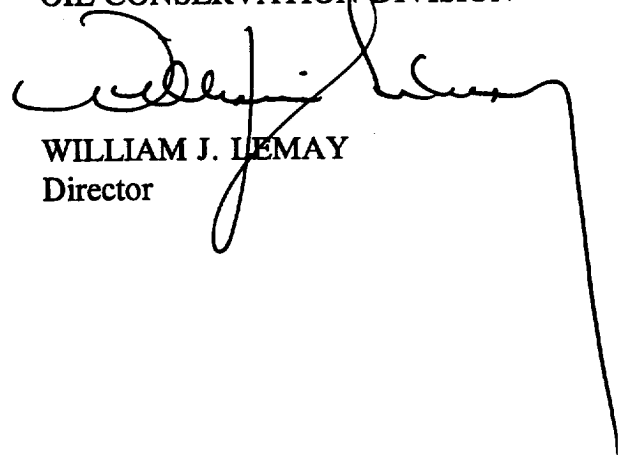
The subject wells shall be governed by all provisions of Division Order No. R-5017, and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

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.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject 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 18th day of September, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL

cc: Oil Conservation Division - Aztec /
Files: Case No.5465