



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

ADMINISTRATIVE ORDER SWD-661

APPLICATION OF ARCO PERMIAN FOR SALT WATER DISPOSAL, EDDY COUNTY,
NEW MEXICO.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), ARCO Permian made application to the New Mexico Oil Conservation Division on May 19, 1997, for permission to complete for salt water disposal its Conoco State "AA-2" Well No. 1 located 660 feet from the North line and 660 feet from the East line (Unit A) of Section 2, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

The applicant herein, ARCO Permian is hereby authorized to complete its Conoco State "AA-2" Well No. 1 located 660 feet from the North line and 660 feet from the East line (Unit A) of Section 2, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Delaware formation at approximately 4,500 feet to 5,700 through 2 7/8-inch plastic-lined tubing set in a packer located at approximately 4,400 feet.

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 Conoco State "AA-2" Well No. 1, and at a frequency of every three years thereafter, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

In order to verify the external mechanical integrity of the Conoco State "AA-2" Well No. 1, the applicant shall, subsequent to commencing injection operations into the subject well and annually thereafter, conduct a radioactive tracer survey in accordance with a Division approved method.

Prior to commencing injection operations into the Conoco State "AA-2" Well No. 1, the applicant shall cement the 7 5/8 inch production casing within the Barclay State Well No. 1, located 1980 feet from the South line and 660 feet from the East line (Unit I) of Section 2, Township 23 South, Range 31 East, NMPM, above, across and below the proposed injection interval and in a manner satisfactory to the supervisor of the Division's Artesia District Office.

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 900 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 fluid from the Delaware 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 Artesia District Office of the Division of the date and time of the installation of disposal equipment, of any mechanical integrity pressure tests and of the conductance of the aforesaid radioactive tracer survey so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia 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.

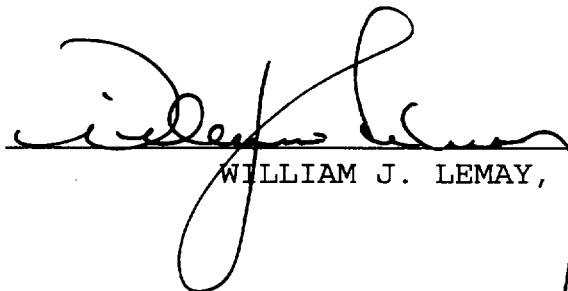
PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner 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 reports of the disposal operations in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

The operator shall submit the results of any mechanical integrity pressure test and radioactive tracer survey conducted on the Conoco State "AA-2" Well No. 1 to the Santa Fe Office of the Division and to the Carlsbad Area Office of the Department of Energy.

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 well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 17th day of June, 1997.



WILLIAM J. LEMAY, Director

WJL/DRC

xc: Oil Conservation Division - Artesia
NM State Land Office - Oil and Gas Division
US Bureau of Land Management - Carlsbad
Department of Energy-Carlsbad Area Office