



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-676

**APPLICATION OF DEVON ENERGY CORPORATION FOR SALT WATER DISPOSAL,
EDDY COUNTY, NEW MEXICO.**

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Devon Energy Corporation made application to the New Mexico Oil Conservation Division on July 24, 1997, for permission to complete for salt water disposal its Todd '27P' Federal Well No.16 located 330 feet from the South line and 330 feet from the East line (Unit P) of Section 27, 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;
- (4) The well is located in or near an area that has presented some concern that it may be considered a potentially sensitive area and might therefore warrant additional monitoring efforts, and;
- (5) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

The applicant herein, is hereby authorized to complete its Todd '27P' Federal Well No.16 located 330 feet from the South line and 330 feet from the East line (Unit P) of Section 27, 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 Bell Canyon formation at approximately 4694 feet to 5284 feet through 2 7/8-inch plastic-lined tubing set in a packer located at approximately 4594 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 well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

In the event the well is hydraulically fracture stimulated, either before or after initial injection operations have commenced, all individual proppant stages should be tagged with a radioactive isotope to allow for post-frac reconnaissance to attempt to determine the vertical fracture height.

Additional monitoring shall consist of annual temperature and radioactive tracer injection profile logs run in accordance with the guidelines as specified in Exhibit "A" attached hereto.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of any and all logs conducted pursuant to the preceding two paragraphs.

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 939 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 Bell Canyon 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 and of the mechanical integrity test so that the same may be inspected and witnessed.

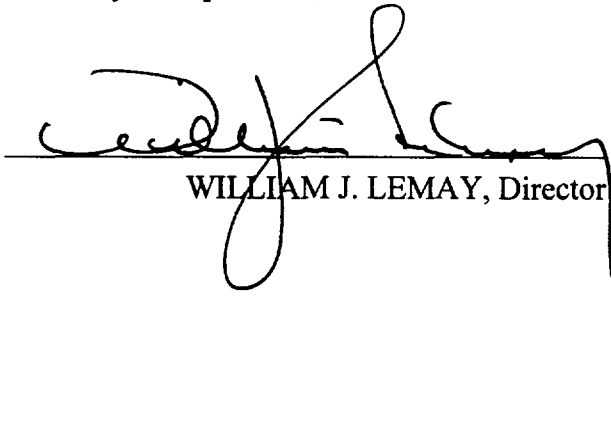
The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

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 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 24th day of September, 1997.


WILLIAM J. LEMAY, Director

WJL/BES

cc: Oil Conservation Division - Artesia
Bureau of Land Management - Carlsbad