



New Mexico Energy, Minerals and Natural Resources Department

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Division Director
Oil Conservation Division



Administrative Order SWD-1109-A
May 1, 2008

**APPLICATION OF EL PASO E&P COMPANY, LP FOR PRODUCED WATER
DISPOSAL, COLFAX COUNTY, NEW MEXICO**

OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), El Paso E&P Company, LP (OGRID 180514) made application to the New Mexico Oil Conservation Division for permission to utilize for produced water disposal its VPR "A" Well No. 500 (API No. 30-007-20892) located 332 feet from the South line and 2549 feet from the East line of Section 30, Township 31 North, Range 21 East, NMPM, Colfax 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) No objections have been received within the waiting period prescribed by said rule; and
- (5) The operator is in compliance with Division Rule 40.

IT IS THEREFORE ORDERED THAT:

El Paso E&P Company, LP is hereby authorized to utilize its VPR "A" Well No. 500 (API No. 30-007-20892) located 332 feet from the South line and 2549 feet from the East line of Section 30, Township 31 North, Range 21 East, NMPM, Colfax County, New Mexico, in such manner as to permit the injection of produced water for disposal purposes into the Dakota, Entrada, and Glorieta formations through perforations from



approximately 5,452 feet to 6,568 feet and through tubing set with a packer located within 100 feet of the top of the injection interval.

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.

After perforating and before commencing injection, the operator shall attempt to swab test the injection perforations and analyze a water sample from these formations and report all swab test results and results of the water analysis to the District office - attached to a sundry form.

The tubing shall be plastic-coated at the discretion of the supervisor of the Santa Fe district office of the Division. The Santa Fe district shall also determine if internal pressure tests should be done more frequently than every 5 years, as is required in Division Rule 704A.(2).

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer, and pressure tested from the surface to the packer setting depth to assure casing integrity.

The wellhead injection pressure on the well shall be limited to **no more than 1,090 psi**. In addition, the injection well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface injection pressure to the maximum allowable pressure for this well.

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 injection 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 Santa Fe district office of the Division of the date and time of the installation of disposal equipment and of any mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Santa Fe 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 is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon

the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall provide written notice of the date of commencement of injection to the Santa Fe district office of the Division.

The operator shall submit monthly reports of the disposal operations on Division Form C-115, 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 received by the Division prior to the termination date, may grant an extension thereof for good cause shown.


MARK E. FESMIRE, P.E.
Director

MEF/wvjj

cc: Oil Conservation Division – Santa Fe