



New Mexico Energy, Minerals and Natural Resources Department

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Division Director

Oil Conservation Division



Administrative Order SWD-1150

October 20, 2008

APPLICATION OF DEVON ENERGY PRODUCTION COMPANY, LP FOR
PRODUCED WATER DISPOSAL, LEA COUNTY, NEW MEXICO

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Devon Energy Production Company, LP (OGRID 6137) made application to the New Mexico Oil Conservation Division for permission to utilize for produced water disposal its Tomcat 15 Federal Well No. 2 (API No. 30-025-33909) located 1980 feet from the South line and 1980 feet from the East line of Section 15, Township 23 South, Range 32 East, NMPM, Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations. Satisfactory information has been provided that affected parties as defined in Rule 701B(2) have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met and the operator is in compliance with the Division's Rule 40. This permit should be approved pending remedial cementing on the subject well and remedial cementing on one offsetting plugged well.

IT IS THEREFORE ORDERED THAT:

Devon Energy Production Company, LP is hereby authorized to utilize its Tomcat 15 Federal Well No. 2 (API No. 30-025-33909) located 1980 feet from the South line and 1980 feet from the East line of Section 15, Township 23 South, Range 32 East, NMPM, Lea County, New Mexico, in such manner as to permit the injection of produced water for disposal purposes into the Bell Canyon member of the Delaware Mountain Group through perforations from 5207 feet to 5530 feet and through plastic-lined tubing set with a packer located within 100 feet of the top of the injection interval.

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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.

As preparation and prior to injection, the operator shall:

- 1) Raise the existing cement top of the subject well's 5-1/2 inch casing up and into the casing shoe of the 8-5/8 inch casing with squeeze cementing operations;
- 2) Re-enter the plugged Continental Federal 1-15, API No. 30-025-08117 located 1980 FNL and 1980 FEL of Section 15, to at least the top of the Bell Canyon formation and replug the well to the surface with a procedure approved by the BLM and the OCD; and
- 3) Receive written confirmation of completion of this work from the Santa Fe engineering bureau of the Division.

After installing injection tubing, 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. The casing shall be 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 1041 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 Division's district office 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 provide written notice of the date of commencement of injection to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Rule Nos. 706 and 1115 of the Division Rules and Regulations.

Without limitation on the duties of the operator as provided in Division Rules 19 and 116, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area,

and shall take such measures as may be timely and necessary to correct such failure or leakage.

In accordance with Rule No 705.C, 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, mailed by the operator prior to the termination date, may grant an extension thereof for good cause shown. One year after injection operations into the well has ceased, the injection authority will terminate *ipso facto*.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

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 or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.



MARK E. FESMIRE, P.E.
Director

MEF/wvj

cc: Oil Conservation Division – Hobbs
Bureau of Land Management - Carlsbad