



# New Mexico Energy, Minerals and Natural Resources Department

**Bill Richardson**  
Governor

Joanna Prukop  
Cabinet Secretary  
Reese Fullerton  
Deputy Cabinet Secretary

Mark Fesmire  
Division Director  
Oil Conservation Division



## Administrative Order WFX-848

December 7, 2008

Kristy Ward  
XTO Energy, Inc.  
200 N. Loraine, Suite 800  
Midland, TX 79705

### ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Order R-7766, as amended, XTO Energy, Inc. (OGRID No. 5380) has made application to the Division for permission to add one additional injection well to its Eunice Monument South Unit Waterflood Project located within the Eunice Monument-Grayburg San Andres Pool (Pool No. 23000) in Lea County, New Mexico.

#### THE DIVISION DIRECTOR FINDS THAT:

The application was filed in due form. No objections have been filed within the waiting period prescribed by Division Rule 26.8C.(2). The proposed injection well is eligible for conversion to injection under the terms of Rule 26.8. The operator is in compliance with Rule 5.9.

This well was a subject well as a proposed conversion in Division Orders R-7766-B and R-7766-C. Operators of nearby gas formations were concerned about this waterflood adversely affecting shallower gas reservoirs. Any injection pressure increase for this well should only be approved after adequate notice is provided to the operators of the shallower gas bearing formations.

The proposed expansion of the above-referenced waterflood project, will prevent waste, is in the best interests of conservation, will not impair correlative rights, and should be approved.

#### IT IS THEREFORE ORDERED THAT:

XTO Energy, Inc. is hereby authorized to inject water into the unitized interval of the Eunice Monument South Unit Waterflood Project, through plastic-lined tubing set in



a packer located within 100 feet of the top of the injection interval in the following-described well for purposes of secondary recovery:

**Eunice Monument South Unit Well No. 210 (API No. 30-025-04469)**

3261' FNL, 1980' FWL, Unit K, Sec 4, T21S, R36E, NMPM

Permitted Injection Interval: 3680 to 3807 (Perforations and Open Hole)

Injecting Water through 2-3/8 inch tubing

Maximum Surface Injection Pressure: 736 PSIG

**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 pressure limiting devices which will limit the wellhead pressure to the maximum surface injection pressure described above.

The Director of the Division may authorize an increase in injection pressure after notice is provided to operators of shallower gas bearing formations within 1/2 mile of this well and upon a proper showing that such higher pressure will not result in migration of the injected fluid from the permitted injection interval. Such proper showing shall consist of valid step-rate tests as well as other tests supporting determination of fracturing pressure, run in accordance with and acceptable to the Division.

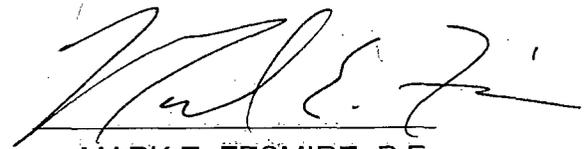
The operator shall notify the District office of the date and time of the installation of injection equipment and of all mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the District office 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 well shall be governed by all provisions of Division Order No. R-7766, as amended, and Rule 26.9 through Rule 26.13 not inconsistent herewith.

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 injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into at least one of the subject wells, provided however, the Division, upon written request by the operator received prior to the one year deadline, may grant an extension thereof for good cause shown.



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MARK E. FESMIRE, P.E.

Director

MEF/wvjj

cc: Oil Conservation Division – Hobbs