



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

*ADMINISTRATIVE ORDER SWD-896*

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

### **ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Marbob Energy Corporation made application to the New Mexico Oil Conservation Division on September 22, 2003 for permission to utilize for salt water disposal its South Malaga SWD Well No. 2 (API 30-015-27980) located 330 feet from the South line and 330 feet from the East line (Unit P) of Section 35, Township 24 South, Range 28 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 objection to the application has been received by the Division within the time period prescribed in Rule 701.

#### **IT IS THEREFORE ORDERED THAT:**

Marbob Energy Corporation is hereby authorized to complete its South Malaga SWD Well No. 2 (API 30-015-27980) located 330 feet from the South line and 330 feet from the East line (Unit P) of Section 35, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of produced water for disposal purposes into the Delaware formation through the perforated interval from a depth of 2,675 feet to 3,900 feet through 2 7/8-inch plastic-lined tubing set in a packer located at approximately 2,625 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.

**In preparation for disposal, the applicant shall set a string of 5 1/2-inch casing at a depth of approximately 4,100 feet in the South Malaga SWD Well No. 2. In addition, the applicant shall cement this casing string from setting depth to at least 2,000 below the surface.**

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 535 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 injection formations. 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 disposal equipment will be installed and the mechanical integrity pressure test conducted, in order that these operations may be 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 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 submit monthly reports of the disposal operations on Division Form C-120-A, 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

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*Marbob Energy Corporation*  
*October 16, 2003*  
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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 16th day of October, 2003.

  
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LORI WROTENBERY, Director

LW/DRC

cc: Oil Conservation Division – Artesia