



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**Bill Richardson**  
Governor  
**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenberg**  
Director  
Oil Conservation Division

*ADMINISTRATIVE ORDER SWD-881*

***APPLICATION OF RAPTOR RESOURCES, INC. FOR SALT WATER DISPOSAL,  
LEA COUNTY, NEW MEXICO.***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Raptor Resources, Inc. made application to the New Mexico Oil Conservation Division on May 14, 2003, for permission to utilize for salt water disposal its B. Davis Well No. 2 (API 30-025-09463) located 330 feet from the South line and 2310 feet from the West line (Unit N) of Section 34, Township 23 South, Range 36 East, NMPM, Lea 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 objections have been received within the waiting period prescribed by said rule.

**IT IS THEREFORE ORDERED THAT:**

Raptor Resources, Inc. is hereby authorized to utilize its B. Davis Well No. 2 (API 30-025-09463) located 330 feet from the South line and 2310 feet from the West line (Unit N) of Section 34, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner as to permit the injection of produced water for disposal purposes into the Seven Rivers formation through the perforated interval from a depth of 3,275 feet to 3,420 feet through 2 3/8 inch fiberglass-lined tubing set in a packer located at approximately 3,250 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, the applicant shall cement squeeze existing perforations in the well located at a depth of 3,048 feet to 3,240 feet.**

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 655 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 Hobbs district office of the Division of the date and time: (i) remedial cement operations will be conducted; (ii) disposal equipment will be installed; and (iii) the mechanical integrity pressure test conducted; so that these operations may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Hobbs 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.

*Administrative Order SWD-881*

*Raptor Resources, Inc.*

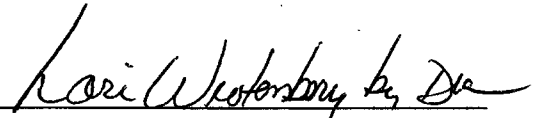
*May 29, 2003*

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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 29th day of May, 2003.

A handwritten signature in cursive script, appearing to read "Lori Wrotenbery, Dir", is written over a horizontal line.

LORI WROTENBERY, Director

LW/DRC

cc: Oil Conservation Division – Hobbs