



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

*ADMINISTRATIVE ORDER SWD-874*

## ***APPLICATION OF PENROC OIL CORPORATION FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO***

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

Under the provisions of Rule 701(B), Penroc Oil Corporation made application to the New Mexico Oil Conservation Division on March 4, 2003, for permission to re-complete for produced water disposal its State "35" Well No. 6 (API 30-025-30675) located 990 feet from the South line and 1980 feet from the West line (Unit N) of Section 35, Township 17 South, Range 33 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:**

Penroc Oil Corporation is hereby authorized to re-complete for produced water disposal its State "35" Well No. 6 (API 30-025-30675) located 990 feet from the South line and 1980 feet

from the West line (Unit N) of Section 35, Township 17 South, Range 33 East, NMPM, Lea County, New Mexico, in such a manner as to permit the injection of produced water for disposal purposes into the San Andres formation from a depth of 4370 feet to 4770 feet through 2 7/8 inch plastic-lined tubing set in a packer located approximately at 4320 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.

**As preparation and prior to injection, the operator shall verify annulus cement top in the offset State "35" Well No. 3 (API: 30-025-20010) by locating acceptable well records or by running a Cement Bond Log (CBL) and supply the evidence of cement top to the Santa Fe Office of the Division. If the cement top is not at least 4,000 feet from surface, the well's casing shall be squeeze cemented beginning as low as is practical and bringing annulus cement at least 500 feet above the intended injection interval as verified by temperature survey or CBL.**

The casing-tubing annulus 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 a pressure limiting device which will limit the wellhead pressure on the injection well to no more than **874 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 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 Hobbs 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 Hobbs District Office of the

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*Penroc Oil Corporation*

*March 19, 2003*

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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-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, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 19th day of March 2003.

*Lori Wrotenberg* (WVJ)

LORI WROTENBERY  
Director

LW/wvjj

cc: Oil Conservation Division – Hobbs  
State Land Office – Oil and Gas Division