



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**BETTY RIVERA**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

*ADMINISTRATIVE ORDER SWD-843*

## ***APPLICATION OF SOUTHWEST ROYALTIES, INC. FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.***

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

Under the provisions of Rule 701(B), Southwest Royalties, Inc. made application to the New Mexico Oil Conservation Division on July 18, 2002, for permission to re-enter and re-complete for produced water disposal its Green Federal "A" Well No. 10 (API No. 30-015-21748) located 1980 feet from the West line and 1980 feet from the South line (Unit F) of Section 29, Township 17 South, Range 29 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 objections have been received within the waiting period prescribed by said rule.

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

Southwest Royalties, Inc. is hereby authorized to re-enter and re-complete its Green Federal "A" Well No. 10 (API No. 30-015-21748) located 1980 feet from the West line and 1980 feet from the South line (Unit F) of Section 29, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of produced water for commercial disposal purposes into the Strawn formation from a depth of 9220 feet to 9600 feet through 2 7/8 inch plastic-lined tubing set in a packer located at approximately 9150 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 for injection, existing San Andres perforations shall be squeezed, the well bore drilled out, and new, inspected 5 ½" casing run to approximately 9800 feet and cement circulated to surface. This casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.**

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 1844 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 Artesia 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 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-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.

*Administrative Order SWD-843*

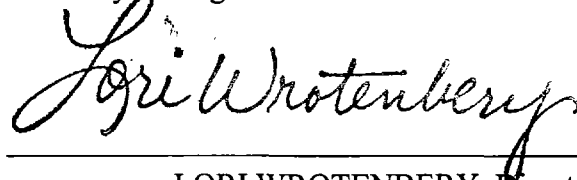
*Southwest Royalties, Inc.*

*August 20, 2002*

*Page 3*

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Approved at Santa Fe, New Mexico, on this 20th day of August 2002.

A handwritten signature in cursive script, reading "Lori Wrotenbery". The signature is written in black ink and is positioned above a horizontal line.

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LORI WROTENBERY, Director

LW/wvj

cc: Oil Conservation Division – Artesia  
Bureau of Land Management – Carlsbad