



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**  
Governor  
**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

*ADMINISTRATIVE ORDER SWD-914*

## ***APPLICATION OF SYNERGY OPERATING, LLC FOR SALT WATER DISPOSAL, SANDOVAL COUNTY, NEW MEXICO.***

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

Under the provisions of Rule 701(B), Synergy Operating, LLC made application to the New Mexico Oil Conservation Division on January 9, 2004, for permission to utilize for salt water disposal its Bois d' Arc Well No. 1 (API No. 30-043-20981) located 2,025 feet from the South line and 675 feet from the East line (Unit I) of Section 22, Township 21 North, Range 5 West, NMPM, Sandoval 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 rule.

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

Synergy Operating, LLC is hereby authorized to utilize its proposed Bois d' Arc Well No. 1 (API No. 30-043-20981) located 2,025 feet from the South line and 675 feet from the East line (Unit I) of Section 22, Township 21 North, Range 5 West, NMPM, Sandoval County, New Mexico, in such a manner as to permit the injection of produced water for disposal purposes into the Dakota formation from 5,920 feet to 6,093 feet, through 4 1/2 inch tubing set in a packer located at approximately 5,850 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 the future, whenever the injection packer is unseated or other work done on the tubing, the operator shall replace the un-coated injection tubing string with plastic coated tubing.**

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 1,184 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 Aztec 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.

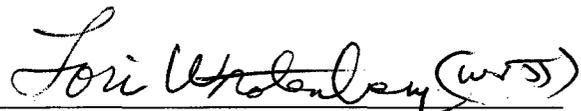
The operator shall immediately notify the supervisor of the Aztec district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

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 provide written notice of the date of commencement of injection to the Aztec district office of the Division.** 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 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 18th day of February 2004.

  
LORI WROTENBERY, Director

LW/wvjj

cc: Oil Conservation Division – Aztec  
Bureau of Land Management – Albuquerque