



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**

Governor

**Jennifer A. Salisbury**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

*ADMINISTRATIVE ORDER SWD-788*

## ***APPLICATION OF BASS ENTERPRISES PRODUCTION CO. FOR PRODUCED WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.***

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

Under the provisions of Rule 701(B), Bass Enterprises Production Co. made application to the New Mexico Oil Conservation Division on August 17, 2000, for permission to complete for produced water disposal its Hudson Federal Com Well No. 1 (**API No. 30-015-21052**) located 1830 feet from the North line and 1980 feet from the West line (Unit F) of Section 1, Township 23 South, Range 30 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) The production casing string in the Hudson Federal Well No. 1 is not properly cemented so as to confine the injection water to the proposed injection interval.
- (5) The James Ranch Well No. 36 located in SW/4 NE/4 of Section 1, Township 23 South, Range 30 East, NMPM is not properly cemented so as to confine the injection water to the proposed injection interval.
- (6) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

The applicant herein, is hereby authorized to complete its Hudson Federal Com Well No. 1 (**API No. 30-015-21052**) located 1830 feet from the North line and 1980 feet from the West line (Unit F) of Section 1, Township 23 South, Range 30 East, NMPM, Eddy County, New Mexico, in a such manner as to permit the injection of produced water for disposal purposes into the Delaware formation from approximately 4,040 feet to 4,825 feet through 2 7/8 inch plastic-lined tubing set in a packer located at approximately 3,940 feet.

IT IS FURTHER ORDERED THAT:

Prior to commencing injection operations, a cast iron bridge plug shall be set in the Hudson Federal Well No. 1 at approximately 5,200 feet and capped with approximately 35 feet of cement.

Prior to commencing injection operations into the Hudson Federal Well No. 1, the James Ranch Well No. 36 located in SW/4 NE/4 of Section 1, Township 23 South, Range 30 East, NMPM, shall be cement squeezed across and at least 500 feet above the proposed injection interval.

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 into the well, the casing 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 808 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 Delaware 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.

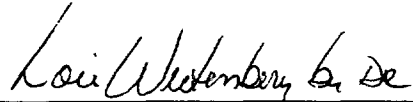
The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

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.

Approved at Santa Fe, New Mexico, on this 1<sup>st</sup> day of September, 2000.



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LORI WROTENBERY, Director

LW/MWA/kv

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