



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

ORDER SWD-339

THE APPLICATION OF BLACKWOOD AND NICHOLS CO., LTD.

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Blackwood and Nichols Co., Ltd. made application to the New Mexico Oil Conservation Division on April 28, 1988, for permission to complete for salt water disposal its Northeast Blanco Unit Well No. 501 located in Unit E of Section 10, Township 30 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

The Division Director finds:

(1) 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; and

(3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.

(4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

The applicant herein, Blackwood and Nichols Co., Ltd. is hereby authorized to complete its Northeast Blanco Unit Well No. 501, located in Unit E of Section 10, Township 30 North, Range 7 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Entrada and Morrison formations at approximately 8000 feet to approximately 9500 feet through 3-1/2 inch plastic lined tubing set in a packer located at approximately 7700 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 into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

Prior to commencing injection operations in the well, the operator shall obtain a water sample from the Morrison and Entrada formations and shall submit to the Division, an analysis of said waters.

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 1600 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 Morrison and Entrada 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 the mechanical integrity so that the same may be inspected and witnessed.

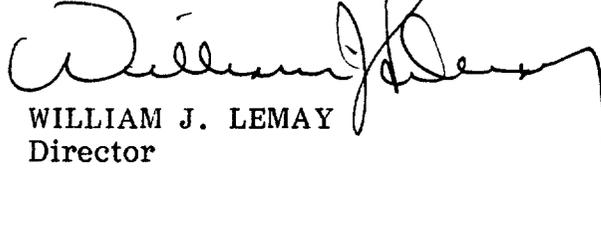
The operator shall immediately notify the supervisor of the Division's Aztec district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER, Jurisdiction of this cause is hereby retained by the Division for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in a this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

Operator shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 2nd day of June, 1988.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read 'William J. Lemay', written over the typed name and title.

WILLIAM J. LEMAY  
Director

S E A L