

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 8702  
Order No. R-3616-A

APPLICATION OF M & W OF LOVINGTON, INC.  
FOR AMENDMENT OF DIVISION ORDER NO.  
R-3616, ROOSEVELT COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on September 11, 1985, at Santa Fe, New Mexico, before Examiner Gilbert P. Quintana.

NOW, on this 31st day of October, 1985, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) Division Order No. R-3616, dated December 2, 1968, authorized the disposal of produced water into the O'Neill State SWD Well No. 1, located 660 feet from the South line and 660 feet from the West line of Section 16, Township 8 South, Range 36 East, NMPM, Roosevelt County, New Mexico, at a depth interval from 9679 feet to 9685 feet (Pennsylvanian formation) with the packer set at 9600 feet.

(3) The 4 1/2-inch casing in said well is parted at 6426 feet with a 2-inch tubing stub and packer protruding in the 4 1/2-inch casing from 6430 feet to 9679 feet.

(4) The circumstances described in Finding No. (3) make it impossible to repair the casing and/or remove the 2-inch tubing and packer causing obstruction in the casing.

(5) The applicant and current owner of said well seeks to recomplete the well by pulling the 4 1/2-inch casing, running a

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2 3/8-inch plastic-lined tubing to a depth of 4150 feet, setting the tubing in a packer set in 8 5/8-inch casing at that depth, and injecting into said well from a depth of 4193 feet to 9685 feet.

(6) There is one producing well within 1/2 mile of said well, producing from the San Andres and injection into the subject well should not adversely affect its production.

(7) All other wells within a 1/2 mile radius of the subject well have been adequately plugged and abandoned.

(8) All fresh water sources, including the Ogallala formation, will be adequately protected from contamination if injection into said well is permitted as proposed.

(9) The injection well should not dispose of any produced waters by means of applying surface pressure. (All disposal operations shall be by means of "vacuum" injection).

(10) Should the well be unable to accept water by means of a "vacuum", the well should be plugged and abandoned in accordance with a Division approved plugging program.

(11) The injection should be accomplished through 2 3/8-inch plastic lined tubing installed in a packer set at approximately 4150 feet; the casing-tubing annulus should be filled with an inert fluid; and a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(12) The operator should notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(13) The operator should 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.

(14) Approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, M & W of Lovington, Inc., is hereby authorized to continue disposal operations in the O'Neill State

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SWD Well No. 1 as previously approved by Order No. R-3616 with the exception of the following changes:

- (a) The 4 1/2-inch casing shall be pulled from the hole to the degree possible;
- (b) The packer shall be set at approximately 4150 feet in the 8 5/8-inch casing;
- (c) 2 3/8-inch plastic lined tubing shall be run and set in said packer;
- (d) The well may not inject water with use of surface pressure. (Injection by means of a "vacuum" only);
- (e) Should the well be unable to dispose of water by means of a "vacuum", the well shall be plugged and abandoned in accordance with prescribed Division Rules and Regulations; and,
- (f) The authorized injection interval is amended to 4193 feet to 9685 feet.

(2) 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 so that the same may be inspected.

(3) The operator shall immediately notify the supervisor of the Division's Hobbs 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.

(4) The applicant shall conduct disposal operations and submit monthly reports in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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DONE at Santa Fe, New Mexico, on the day and year  
hereinabove designated.

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OIL CONSERVATION DIVISION

A handwritten signature in dark ink, appearing to read "R. L. Stamets", is written over the printed name.

R. L. STAMETS,  
Director

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