

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. 8279
Order No. R-7620

APPLICATION OF PHILLIPS OIL COMPANY
FOR SALT WATER DISPOSAL, LEA COUNTY,
NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on July 25, 1984, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 7th day of August, 1984, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Phillips Oil Company, seeks authority to re-enter the Phillips Petroleum Company Ranger Well No. 6, located 660 feet from the South line and 1978 feet from the West line of Section 23, Township 12 South, Range 34 East, NMPM, Lea County, New Mexico and to utilize said well as a produced salt water disposal well, with injection into the perforated interval from approximately 10,228 feet to 10,346 feet in the Ranger Lake Pennsylvanian Pool.

(3) That the injection should be accomplished through 2 3/8-inch plastic lined tubing installed in a packer set at approximately 10,050 feet; that the casing-tubing annulus should be filled with an inert fluid; and that 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.

(4) That the injection well or system should be equipped with a pressure limiting switch or other acceptable device

which will limit the wellhead pressure on the injection well to no more than 2050 psi.

(5) That the Director of the Division should be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected waters from the Ranger Lake-Pennsylvanian Pool.

(6) That 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.

(7) That 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.

(8) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Phillips Oil Company, is hereby authorized to re-enter and utilize the Phillips Petroleum Company Ranger Well No. 6, located 660 feet from the South line and 1978 feet from the West line of Section 23, Township 12 South, Range 34 East, NMPM, Lea County, New Mexico, to dispose of produced salt water into the Ranger Lake-Pennsylvanian Pool, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 10,050 feet, with injection into the perforated interval from approximately 10,228 feet to 10,346 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the injection well or system shall be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 2050 psi.

(3) That 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 Ranger Lake-Pennsylvanian Pool.

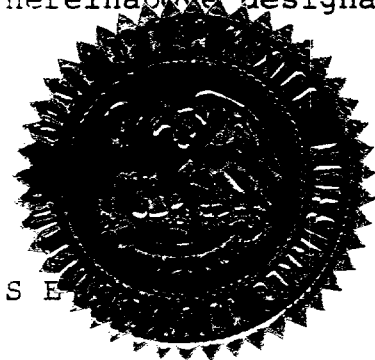
(4) That the operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(5) That 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.

(6) That 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.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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



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STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY,
Director