

*Entered February 3, 1970  
A.L.P.*

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 4284  
Order No. R-3916

APPLICATION OF CONTINENTAL OIL COMPANY  
FOR SALT WATER DISPOSAL, EDDY COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:30 a.m. on December 17, 1969, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 3rd day of February, 1970, the Commission, a quorum being present, 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 Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Continental Oil Company, seeks authority to utilize the Springs SWD Wells Nos. 1 and 2, located in Unit F of Section 3 and Unit A of Section 4, respectively, Township 21 South, Range 25 East, NMPM, Springs-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico, to dispose of produced salt water as follows:

Into the Bone Spring, Wolfcamp, and Upper Pennsylvanian formations in the open-hole interval from approximately 2700 feet to 8350 feet in the Springs SWD Well No. 1, and

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Into the Upper Pennsylvanian formation in the perforated interval from approximately 8300 feet to 8400 feet in the Springs SWD Well No. 2.

(3) That the applicant should be authorized to utilize the Springs SWD Well No. 2 to inject produced salt water into the Upper Pennsylvanian formation through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 7500 feet, provided the casing-tubing annulus is filled with an inert fluid and a pressure gauge is attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

(4) That the applicant should be authorized to utilize the Springs SWD Well No. 1 to inject produced salt water into the Upper Pennsylvanian formation only and then only if the disposal is accomplished in one of the following manners:

- (a) Disposal is through plastic-lined tubing set in a packer in casing, and said casing is set in the subject well at a depth sufficient to ensure that disposal will be only into the Upper Pennsylvanian formation, or
- (b) Disposal is through plastic-lined tubing set in a formation packer at a depth sufficient to ensure that disposal will be only into the Upper Pennsylvanian formation and tests adequate to determine the efficacy of the formation packer are taken upon completion and semiannually thereafter. The Artesia Office of the Commission shall be consulted as to the type of tests to be conducted and shall be notified of the time such tests are to be commenced so that they may be witnessed.

IT IS THEREFORE ORDERED:

(1) That the applicant, Continental Oil Company, is hereby authorized to utilize the Springs SWD Well No. 2, located in Unit A of Section 4, Township 21 South, Range 25 East, NMPM, Springs-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico, to dispose of produced salt water into the Upper Pennsylvanian formation,

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injection to be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 7500 feet, with injection into the perforated interval from approximately 8300 feet to 8400 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 at the surface in order to determine leakage in the casing, tubing, or packer.

(2) That the applicant is hereby authorized to utilize the Springs SWD Well No. 1, located in Unit F of Section 3, Township 21 South, Range 25 East, NMPM, Springs-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico, to dispose of produced salt water into the Upper Pennsylvanian formation, provided disposal is to be in one of the following manners:

- (a) Disposal is through plastic-lined tubing set in a packer in casing, and said casing is set in the subject well at a depth sufficient to ensure that disposal will be only into the Upper Pennsylvanian formation, or
- (b) Disposal is through plastic-lined tubing set in a formation packer at a depth sufficient to ensure that disposal will be only into the Upper Pennsylvanian formation and tests adequate to determine the efficacy of the formation packer are taken upon completion and semiannually thereafter. The Artesia Office of the Commission shall be consulted as to the type of tests to be conducted and shall be notified of the time such tests are to be commenced so that they may be witnessed.

PROVIDED HOWEVER, that in (a), above, the casing-tubing annulus shall be filled with an inert fluid; that a pressure gauge shall be attached to the annulus in order to determine leakage in the casing, tubing, or packer; and that Form C-103 setting forth the additional cementing program is submitted to the Artesia Office of the Commission.

(3) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

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

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMISTEAD, Member

A. L. PORTER, Jr., Member & Secretary

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