



1935 - 1985



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
 OIL CONSERVATION DIVISION

May 20, 1985

**TONEY ANAYA**  
 GOVERNOR

APPLICATION OF UNION OIL COMPANY OF  
 CALIFORNIA TO EXPAND ITS WATERFLOOD PROJECT  
 IN THE CAPROCK-QUEEN POOL IN CHAVES AND LEA  
 COUNTIES, NEW MEXICO

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ORDER No. WFX-543

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-1729, Union Oil Company of California has made application to the Division on November 8, 1984, for permission to expand its South Caprock Queen Unit Waterflood Project in the Caprock-Queen Pool in Chaves and Lea Counties, New Mexico.

NOW, on this 17th day of May, 1985, the Division Director finds:

1. That application has been filed in due form.
2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
3. That no objection has been received within the waiting period as prescribed by Rule 701B.
4. That the proposed injection well is eligible for conversion to water injection under the terms of Rule 701.
5. That the proposed expansion of the above referenced Waterflood project will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Union Oil Company of California, be and the same is hereby authorized to inject water into the Queen formation through plastic-lined tubing set in a packer at approximately 3100 feet in the following described well for purposes of Waterflooding to wit:

South Caprock Queen Unit Well No. 16,  
 990' FSL and 990' FEL, Sec. 30, T-15-S,  
 R-31-E, NMPM, Chaves County, New Mexico

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.

That the casing-tubing annulus (in each well) 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.

That 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 635 psi.

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 Queen formation. That such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

That the operator shall notify the supervisor of the Division's Hobbs District Office before injection is commenced through said well.

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 or necessary to correct such failure or leakage.

That the subject well shall be governed by all provisions of Division Order No. R-1729 and Rules 702, 703, 704, 705, and 706 not inconsistent herewith.

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

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



R. L. STAMETS,  
Director

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