

APPLICATION OF TENNECO OIL COMPANY  
TO EXPAND ITS WATER FLOOD PROJECTS  
IN THE LEONARD-QUEEN POOL IN LEA  
COUNTY, NEW MEXICO.

ORDER WFX NO. 476

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-5675, Tenneco Oil Company has made application to the Division on September 6, 1979, for permission to expand its Leonard Federal Waterflood Project and its Leonard Brothers Waterflood Project in the Leonard-Queen Pool in Lea County, New Mexico.

NOW, on this 19th day of October, 1979, 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 Order No. R-5675.
4. That the proposed injection wells are eligible for conversion to water injection under the terms of Order No. R-5675.
5. That the proposed expansion of the above referenced water flood projects will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Tenneco Oil Company, be and the same is hereby authorized to inject water into the Queen formation through plastic-lined tubing set in packers at approximately 100 feet above the perforations in the following described wells for purposes of secondary recovery, to wit:

Leonard Federal Well No. 9, located in Unit P of Section 14, Leonard Federal Well No. 10, located in Unit J of Sec. 14, Leonard Federal Well No. 11, located in Unit N of Sec. 14, Leonard Federal Well No. 13, located in Unit L of Sec. 14, all in the Tenneco Oil Company Leonard Federal Waterflood Project in Township 26 South, Range 37 East, NMPM, Lea County, New Mexico, and

Leonard Brothers Well No. 14, located in Unit B of Sec. 14, and Leonard Brothers Well No. 21, located in Unit F of Section 14, both in the Tenneco Oil Company Leonard Brothers Waterflood Project in Township 26 South, Range 37 East, NMPM, Lea 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 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 pop-off valve or device which will limit the wellhead pressure to a maximum of 680 pounds per square inch; provided however that the Division Director may administratively authorize a pressure limitation in excess of the above upon the operator's establishing that such higher pressure will not result in fracturing of confining strata.

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.

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

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
JOE D. RAMEY  
Division Director

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