

Entered October 20, 1983
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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. 7917
Order No. R-7374

APPLICATION OF MOBIL PRODUCING
TEXAS & NEW MEXICO, INC., FOR
A WATERFLOOD EXPANSION, LEA
COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on August 17, 1983, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 20th day of October, 1983, 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, Mobil Producing Texas & New Mexico, Inc., seeks authority to expand its Langlie Mattix Humphrey Waterflood Project, Langlie Mattix Pool, by the injection of water into the Queen formation through its Humphrey Queen Unit Well No. 31 located in Unit E of Section 3, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That injection is to be into the perforated interval from 3481 feet to 3592 feet in said well.

(4) That the proposed waterflood expansion should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) 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

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formations or onto the surface from injection, production, or plugged and abandoned wells.

(6) That the injection well or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 690 psi, but the Division Director should have authority to increase said pressure limitation, should circumstances warrant.

(7) That the subject application should be approved and the project should be governed by the provisions of Rules 702 through 708 of the Division Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Producing Texas & New Mexico, Inc., is hereby authorized to expand its Langlie Mattix Humphrey Waterflood Project, Langlie Mattix Pool, by the injection of water into the Queen formation through the perforated interval from 3418 feet to 3592 feet in its Humphrey Queen Unit Well No. 31 located in Unit E of Section 3, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(2) That injection into said well shall be through internally coated tubing, set in a packer which shall be located as near as practicable to the uppermost perforation; that the casing-tubing annulus shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak detection device.

(3) That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing or packer in this or any other project well, the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area and shall take such timely steps as may be necessary or required to correct such failure or leakage.

(4) That the injection well herein authorized and/or the injection pressurization system shall be so equipped as to limit injection pressure at the wellhead to no more than 690 psi, provided however, the Division Director may authorize a higher surface injection pressure upon satisfactory showing that such pressure will not result in fracturing of the confining strata.

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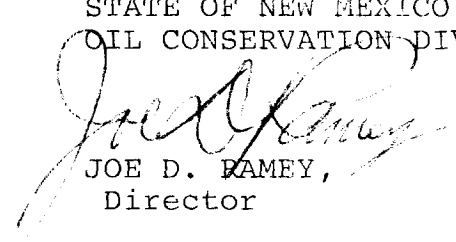
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(5) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



JOE D. RAMEY,
Director

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