



TONY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION



1935 - 1985

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APPLICATION OF MOBIL PRODUCING TEXAS & NEW
MEXICO INC. TO EXPAND ITS PRESSURE MAINTENANCE
PROJECT IN THE VACUUM ABO POOL IN LEA COUNTY,
NEW MEXICO

ORDER No. PMX-138

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-4430, Mobil Producing Texas & New Mexico Inc. has made application to the Division on October 16, 1985, for permission to expand its North Vacuum Abo Pressure Maintenance Project in the Vacuum Abo Pool in Lea County, New Mexico.

NOW, on this 12th day of November, 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 pressure maintenance project will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Mobil Producing Texas & New Mexico Inc., be and the same is hereby authorized to inject water into the Abo formation through plastic-lined tubing set in a packer at approximately 100 feet above the uppermost perforations in the following described wells for purposes of injection to wit:

WELL AND LOCATION

MAXIMUM SURFACE
INJECTION PRESSURE

N. Vacuum Abo Unit No. 98 Unit J, Sec. 26, T-17-S, R-34-E, Lea County, New Mexico	1695 Psig.
N. Vacuum Abo Unit No. 112 Unit D, Sec. 25, T-17-S, R-34-E, Lea County, New Mexico	1678 Psig.
N. Vacuum Abo Unit No. 116 Unit L, Sec. 24, T-17-S, R-34-E Lea County, New Mexico	1688 Psig.
N. Vacuum Abo Unit No. 136 Unit D, Sec. 26, T-17-S, R-34-E Lea County, New Mexico	1709 Psig.
N. Vacuum Abo Unit No. 137 Unit B, Sec. 26, T-17-S, R-34-E Lea County, New Mexico	1696 Psig.
N. Vacuum Abo Unit No. 138 Unit L, Sec. 26, T-17-S, R-34-E Lea County, New Mexico	1702 Psig.
N. Vacuum Abo Unit No. 156 Unit J, Sec. 23, T-17-S, R-34-E Lea County, New Mexico	1697 Psig.
N. Vacuum Abo Unit No. 205 Unit B, Sec. 24, T-17-S, R-34-E Lea County, New Mexico	1705 Psig.
N. Vacuum Abo Unit No. 210 Unit L, Sec. 23, T-17-S, R-34-E Lea County, New Mexico	1708 Psig.
N. Vacuum Abo Unit No. 211 Unit J, Sec. 24, T-17-S, R-34-E Lea County, New Mexico	1695 Psig.

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 wells or systems shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than .2 psi/ft. of depth to the uppermost perforations.

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 Abo 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 wells.

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 wells or the leakage of water from or around said wells and shall take such steps as may be timely or necessary to correct such failure or leakage.

That the subject wells shall be governed by all provisions of Division Order No. R-4430 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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