



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

March 8, 1982

Arco Oil and Gas Company
P. O. Box 1610
Midland, Texas 79702

Re: Administrative Order No. PMX-116

Gentlemen:

Enclosed herewith please find Administrative Order No. PMX-116 for the following wells:

Empire Abo Unit Well No. B-49, Unit E
Sec. 29, T-17S, R-29E, NMPM, Eddy County

Empire Abo Unit-Well No. B-48, Unit H,
Sec. 30, T-17S-R-29E, NMPM, Eddy County,
New Mexico.

Very truly yours

A handwritten signature in cursive script, appearing to read "Joe D. Ramey".

JOE D. RAMEY
Division Director

JDR/OS/og

cc: Oil Conservation Division
Box 1980
Hobbs, New Mexico

APPLICATION OF ARCO OIL AND GAS
COMPANY TO EXPAND ITS PRESSURE MAINTENANCE
PROJECT IN THE EMPIRE-ABO POOL IN EDDY
COUNTY, NEW MEXICO.

ORDER No. PMX-116

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-4549 (A-E), Arco Oil and Gas Company has made application to the Division on March 8, 1982, for permission to expand its Empire-Abo Unit Pressure Maintenance Project in the Empire-Abo Pool in Eddy County, New Mexico.

NOW, on this 8th day of March, 1982, 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-4549 (A-E).
4. That the proposed injection well is eligible for conversion to water injection under the terms of Order No. R-4549 (A-E).
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, Arco Oil & Gas Company, 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 pressure maintenance to wit:

Empire Abo Unit Well No. B-49, Unit E,
Sec. 29, T-17-S, R-29-E, NMPM, Eddy County

Empire Abo Unit Well No. B-48, Unit H,
Sec. 30, T-17-S, R-29-E, NMPM, Eddy County

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 system shall be equipped with a pressure limiting device which will limit the wellhead pressure to a maximum of 1245 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 the confining strata.

That the operator shall locate the top of cement of each 5 1/2" casing on each well (B-48 and B-49), and shall perforate and circulate cement to the surface on each well.

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

That the operator shall immediately notify the Supervisor of the Division's Artesia 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-4549 (A-E) not inconsistent herewith.

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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