



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

May 16, 1985

50 YEARS



1935 - 1985

TONY ANAYA
GOVERNOR

APPLICATION OF CONOCO INC. TO EXPAND ITS
PRESSURE MAINTENANCE PROJECT IN THE MALJAMAR
GRAYBURG-SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO

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ORDER No. PMX-135

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-2403, Conoco Inc. has made application to the Division on February 18, 1985, for permission to expand its Maljamar Cooperative Agreement (MCA) Unit Pressure Maintenance Project in the Maljamar Grayburg-San Andres Pool in Lea County, New Mexico.

NOW, on this 16th 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 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, Conoco Inc., be and the same is hereby authorized to inject water into the Grayburg-San Andres formations through plastic-lined tubing set in a packer at a maximum of 100 feet above the uppermost injection interval in the wells described in Appendix "A" for purposes of pressure maintenance.

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 0.2 psi per foot of depth to the uppermost injection interval in each well. (Note Appendix "A")

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 Grayburg-San Andres formations. That such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

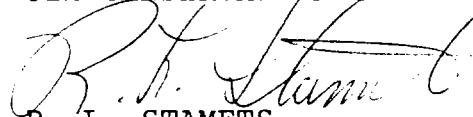
That the operator shall notify the supervisor of the Division's Hobbs District Office before injection is commenced through said wells.

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-2403 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

S E A L

MALJAMAR COOPERATIVE AGREEMENT (MCA)

UNIT PRESSURE MAINTENANCE EXPANSION

<u>WELL NUMBER</u>	<u>LOCATION</u>	<u>APPROXIMATE PACKER DEPTH</u>	<u>MAXIMUM SURFACE INJECTION PRESSURE</u>
43	1980' FNL & 1980' FEL Section 21	3640 ft.	748 PSIG
122	660' FNL & 660' FEL Section 27	3816 ft.	783 PSIG
156	2580' FNL & 2595' FWL Section 29	3708 ft.	762 PSIG
182	2615' FSL & 2570' FEL Section 27	3762 ft.	772 PSIG
202	660' FSL & 660' FWL Section 26	3920 ft.	804 PSIG
282	1295' FNL & 2615' FWL Section 27	3706 ft.	761 PSIG
299	175' FNL & 1295' FWL Section 27	3765 ft.	773 PSIG
311	1295' FNL & 2615' FWL Section 26	3879 ft.	795 PSIG
318	25' FNL & 1295' FEL Section 28	3709 ft.	762 PSIG
327	1225' FSL & 2615' FEL Section 22	3704 ft.	761 PSIG
346	55' FSL & 1200' FWL Section 27	3942 ft.	808 PSIG
349	75' FSL & 1295' FWL Section 23	3850 ft.	792 PSIG
350	2615' FSL & 1295' FWL Section 26	3900 ft.	805 PSIG

APPENDIX "A"

Administrative Order PMX 135