

Entered February 28, 1979

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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. 6428
Order No. R-5801-A

APPLICATION OF MOBIL OIL CORPORATION
FOR THE AMENDMENT OF ORDER NO. R-5801,
LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on January 31, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 28th day of February, 1979, 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 Oil Corporation, seeks the amendment of Order No. R-5801 to delete the requirements for lined tubing in injection wells in applicant's North Vacuum Abo East Pressure Maintenance Project, Lea County, New Mexico.
- (3) That the applicant is utilizing an oxygen removal process on the waters to be injected into wells in said project.
- (4) That applicant has utilized said process in other projects in the area and in other areas.
- (5) That said process has resulted in the elimination of significant corrosion in the tubing of injection wells subject to such process.
- (6) That the applicant will monitor for oxygen entry into the system with 24-hour recording devices and for corrosion by means of corrosion coupons.

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(7) That the applicant should notify the supervisor of the Division's district office at Hobbs any time a corrosion rate exceeding 3 mils per year is detected or of the failure of any well injection equipment resulting from corrosion.

(8) That the Director of the Division should be authorized to administratively require the use of lined tubing in injection wells in said pressure maintenance project if it should appear that such requirement is necessary to maintain the integrity of the injection tubing.

(9) That subject to the monitoring, reporting, and administrative authority provisions of Findings Nos. (6), (7) and (8) above, the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That Order (2) of Order No. R-5801 is hereby amended to read in its entirety as follows:

"(2) That injection into each of the aforesaid wells should be accomplished through tubing set in a packer as close as is practicable to the uppermost Abo perforation. The casing-tubing annulus in each injection well shall be loaded with an inert fluid and a pressure gauge installed to facilitate detection of leakage in the casing, tubing, or packer."

IT IS FURTHER ORDERED:

(2) That the operator of the North Vacuum-Abo East Unit Pressure Maintenance Project shall install and maintain treatment and monitoring facilities or equipment to:

- (a) remove oxygen from the water to be injected into wells in said project;
- (b) provide for 24-hour monitoring for oxygen entry into such injection water; and,
- (c) provide for corrosion coupon monitoring of the injection water.

(3) That said operator shall immediately notify the supervisor of the Division's district office at Hobbs anytime a corrosion rate exceeding 3 mils per year shall be detected or of the failure of any injection well equipment in said project resulting from corrosion.

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(4) That the Director of the Division may administratively require the use of lined tubing in injection wells in said pressure maintenance project if it should appear that such requirement is necessary to maintain the integrity of the injection tubing.

(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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