STATE O... ...CO
ENERGY AND MINE... DEPARTMENT
OIL CONSE... ...DIVISION

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January 2, 1984

APPLICATION OF SUN EXPLORATION & PRODUCTION COMPANY TO EXPAND ITS WATERFLOOD PROJECT IN THE LANGLIE MATTIX POOL IN EDDY COUNTY, NEW MEXICO

ORDER No. WFX-522

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-4819, Sun Exploration and Production Company has made application to the Division on October 28, 1983, for permission to expand its Langlie Mattix Waterflood Project in the Langlie Mattix Pool in Eddy County, New Mexico.

NOW, on this 2nd day of January, 1984, 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 waterflood project will not cause waste nor impair correlative rights.

6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Sun Exploration and Production Company, be and the same is hereby authorized to inject water into the Seven Rivers and Queen formations through plastic-lined tubing set in a packer at approximately 100 feet above the highest point of injection in the following described well for purposes of waterflood to wit:

NEW WELL NAME AND NUMBER	NEW WELL NAME AND NUMBER
State "A" A/C 1 No. 121 Unit Ltr. O, 25' FSL & 1460' FEL, Sec. 3, T-23S, R-36E	State "A" A/C 3 No. 10 Unit Ltr. G, 1345' FNL & 1480' FEL, Sec. 10, T-23S, R-36E
State "A" A/C 3 No. 12 Unit Ltr. B, 25' FNL & 2615' FEL, Sec. 10, T-23S, R-36E	State "A" A/C 1 No. 120 Unit Ltr. C, 25' FNL & 1345' FWL, Sec. 10, T-23S, R-36E
State "A" A/C 3 No. 11 Unit Ltr. G, 1345' FNL & 2615' FEL, Sec. 10, T-23S, R-36E	State "A" A/C 1 No. 118 Unit Ltr. O, 1295' FSL & 2615' FEL, Sec. 3, T-23S, R-36E
State "A" A/C 1 No. 119 Unit Ltr. P, 1295' FSL & 1295' FEL, Sec. 3, T-23S, R-36E	State "A" A/C 1 No. 117 Unit Ltr. N, 1395' FSL & 1345' FWL, Sec. 3, T-23S, R-36E

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 720 psi.

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 Seven Rivers & Queen 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 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-4819 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

JOE D. RAMEY,
Division Director

S E A L

JDR/GQ/dp