



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

July 17, 1984

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

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

Amendment
ORDER No. WFX-522

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-4819 has made application to the Division on April 16, 1984, for permission to expand its Langlie Mattix Waterflood Project Project in the Langlie Mattix Pool in Lea County, New Mexico.

NOW, on this 17th day of July, 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 project will not cause waste nor impair correlative rights.
6. That this Order (WFX-522) has been amended to include an additional waterflood expansion well (State "A" A/C Well No. 116).
7. 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 Seven Rivers and Queen formations through plastic-lined

tubing set in a packer at approximately 100 feet in the following described well for purposes of waterflood to wit:

WELL NAME AND NUMBER

State "A" A/C 1 Well No. 116, Unit D, 1260' FNL and 1310' FWL of Sec. 10, T-23-S, R-36-E,

State "A" A/C 1 Well No. 117, Unit K, 1395' FSL and 1345' FWL of Sec. 3, T-23-S, R-36-E,

State "A" A/C 1 Well No. 118, Unit O, 1295' FSL and 2615' FEL of Sec. 3, T-23-S, R-36-E,

State "A" A/C 1 Well No. 119, Unit P, 1295' FSL and 1295' FEL of Sec. 3, T-23-S, R-36-E,

State "A" A/C 1 Well No. 120, Unit C, 25' FNL and 1345' FWL of Sec. 10, T-23-S, R-36-E,

State "A" A/C 1 Well No. 121, Unit O, 25' FSL and 1460' FEL of Sec. 3, T-23-S, R-36-E,

State "A" A/C 3 Well No. 10, Unit G, 1345' FNL and 1480' FEL of Sec. 10, T-23-S, R-36-E,

State "A" A/C 3 Well No. 11, Unit G, 1345' FNL and 2615' FEL of Sec. 10, T-23-S, R-36-E, and

State "A" A/C 3 Well No. 12, Unit B, 25' FNL and 2615' FEL of Sec. 10, T-23-S, R-36-E.

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

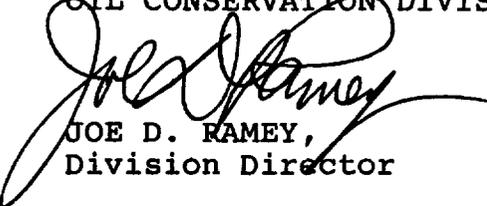
That the operator shall notify the supervisor of the Division's Hobbs District Office before injection is commenced through said wells.

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 R-4819 shall be governed by all provisions of Division Order No. 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