

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. 7866  
Order No. R-7361

APPLICATION OF MOBIL PRODUCING  
TEXAS & NEW MEXICO, INC., FOR  
A WATERFLOOD EXPANSION, LEA  
COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 8, 1983,  
at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 23th day of September, 1983, 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 Producing Texas & New  
Mexico, Inc., seeks authority to expand its Bridges-State  
Waterflood Project authorized by Division Order No. R-1244 dated  
September 17, 1958 and as amended by Division Order Nos. R-3318,  
R-3496, R-3984, R-3984-A, and R-4385, by the injection of water  
into the Grayburg and San Andres formations through four  
additional injection wells to be drilled at unorthodox locations  
in Sections 25 and 26 of Township 17 South, Range 34 East, NMPM,  
Vacuum (Grayburg-San Andres) Pool, Lea County, New Mexico, as  
follows:

<u>WELL NO.</u>	<u>LOCATION</u>
Bridges-State Well No. 185	2628 feet from the North line and 100 feet from the West line of Section 25;
Bridges-State Well No. 186	3 feet from the South line and 1210 feet from the East

-2-

Case No. 7866

Order No. R-7361

line of Section 26;

Bridges-State Well No. 187

5 feet from the South line  
and 2550 feet from the East  
line of Section 26;

Bridges-State Well No. 188

2340 feet from the North line  
and 2630 feet from the West  
line of Section 25.

(3) That the proposed expansion of the Bridges-State Waterflood Project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(4) That the operator should 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 from injection, production, or plugged and abandoned wells.

(5) That the new injection wells or new injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 800 psi, but the Division Director should have authority to increase said pressure limitation, should circumstances warrant.

(6) That the subject application should be approved and the expansion project should be governed by the provisions of Rules 701 through 708 of the Division Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Producing Texas & New Mexico, Inc., is hereby authorized to expand its Bridges-State Waterflood Project in the Vacuum (Grayburg-San Andres) Pool, authorized by Division Order No. R-1244 dated September 17, 1958 and as amended by Division Order Nos. R-3318, R-3496, R-3984, R-3984-A, and R-4385, by the injection of water into the Grayburg and San Andres formations through the following - described four additional injection wells to be drilled at unorthodox locations, hereby approved, in Sections 25 and 26 of Township 17 South, Range 34 East, NMPM, Lea County, New Mexico:

<u>WELL NO.</u>	<u>LOCATION</u>
Bridges-State Well No. 185	2628 feet from the North line and 100 feet from the West line of Section 25;
Bridges-State Well No. 186	3 feet from the South line

and 1210 feet from the East line of Section 26;

Bridges-State Well No. 187

5 feet from the South line and 2550 feet from the East line of Section 26;

Bridges-State Well No. 188

2340 feet from the North line and 2630 feet from the West line of Section 25.

(2) That injection into each of said wells shall be through internally coated tubing, set in a packer which shall be located as near as practicable to the uppermost perforation; that the casing-tubing annulus of each injection well shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak detection device.

(3) That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area and shall take such timely steps as may be necessary or required to correct such failure or leakage.

(4) That the injection wells herein authorized and/or the injection pressurization system shall be so equipped as to limit injection pressure at the wellhead to no more than 800 psi, provided however, the Division Director may authorize a higher surface injection pressure upon satisfactory showing that such pressure will not result in fracturing of the confining strata.

(5) That the expanded waterflood project shall be governed by the provisions of Rules 701 through 708 of the Division Rules and Regulations.

(6) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Division in accordance with Rules 706 and 1115 of the Division Rules and Regulations.

-4-

Case No. 7866

Order No. R-7361

(7) 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*  
JOE D. RAMEY  
Director