



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

TONY ANAYA  
GOVERNOR

September 11, 1986

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

APPLICATION OF AMOCO PRODUCTION COMPANY  
TO EXPAND ITS PRESSURE MAINTENANCE PROJECT IN  
THE HOBBS GRAYBURG SAN ANDRES POOL IN  
LEA COUNTY, NEW MEXICO.

AMENDED  
ORDER NO. PMX-142

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-4934, Amoco Production Company has made application to the Division on August 4, 1986, for permission to expand its South Hobbs Grayburg San Andres Pressure Maintenance Project in the Hobbs Grayburg-San Andres Pool in Lea County, New Mexico.

NOW, on this 28th day of August, 1986, 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 wells are 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, Amoco Production Company, be and the same is hereby authorized to inject water into Hobbs Grayburg San Andres formations through plastic-lined tubing set in a packer located approximately 100' above the uppermost perforations in the following described wells for purposes of pressure maintenance to wit:

<u>WELL NUMBER</u>	<u>LOCATION</u>	<u>MAX. SURFACE INJ. PRESSURE (PSIG)</u>
SHU No. 212	1478' FNL & 2589' FWL Sec. 5, T-19-S, R-38-E	805
SHU No. 213	890' FNL & 1275' FEL Sec. 5, T-19-S, R-38-E	802
SHU No. 215	1398' FNL & 1227' FWL Sec. 4, T-19-S, R-38-E	815
SHU No. 216	1166' FNL & 2411' FWL Sec. 4, T-19-S, R-38-E	805
SHU No. 217	1407' FNL & 2203' FEL Sec. 4, T-19-S, R-38-E	807
SHU No. 218	652' FNL & 563' FEL Sec. 4, T-19-S, R-38-E	808
SHU No. 219	657' FNL & 787' FWL Sec. 3, T-19-S, R-38-E	814

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 .2/psi/ft. of depth to the uppermost perforation.

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 formation. 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 of the date and time of the installation of injection equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

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-4934 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

REMARKS: Division Order No. NSL-2288 also approves the unorthodox locations and direction drilling of the above-referenced wells.

xc: OCD - Hobbs  
Donna McDonald  
Case File 5372