

APPLICATION OF PHILLIPS PETROLEUM
COMPANY TO EXPAND ITS PRESSURE
MAINTENANCE PROJECT IN THE VACUUM
GRAYBURG-SAN ANDRES POOL IN LEA
COUNTY, NEW MEXICO

ORDER PMX-106

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-5897, Phillips Petroleum Company has made application to the Division on June 1, 1981, for permission to expand its East Vacuum Grayburg-San Andres Unit Pressure Maintenance Project in the Vacuum Grayburg-San Andres Pool in Lea County, New Mexico.

NOW, on this 16th day of June, 1981, 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 Order No. R-5897.
4. That the proposed injection wells are eligible for conversion to water injection under the terms of Order No. R-5897.
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, Phillips Petroleum Company, be and the same is hereby authorized to inject water into San Andres formations through plastic-lined tubing set in a packer approximately 100 feet above the top of the injection interval in the following described wells for purposes of pressure maintenance to wit:

East Vacuum Grayburg/San Andres Unit
Tract 2230, No. 004, Unit M, Section 22, Township 17 South,
Range 35 East
Tract 2150, No. 002, Unit P, Section 21, Township 17 South,
Range 35 East,
Tract 2738, No. 008, Unit F, Section 27, Township 17 South,
Range 35 East,
Tract 2672, No. 001, Unit A, Section 26, Township 17 South,
Range 35 East.

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 wells or system shall be equipped with a pressure limiting device which will limit the wellhead pressure to a maximum of 900 pounds per square inch; provided however that the Division Director may administratively authorize a pressure limitation in excess of the above upon the operator's establishing that such higher pressure will not result in fracturing of the confining strata.

That said wells shall not be placed on injection at greater than hydrostatic pressure if such wells are located within one-half mile of any well listed on Exhibit "C" to Order R-5897 unless remedial action has been

taken on such wells to ensure that it will not serve as an avenue of escape for injected waters, or tests have been conducted on such wells or evidence concerning such wells has been presented establishing to the satisfaction of the Supervisor of the Hobbs District Office of the Division that remedial work on such wells is unnecessary.


That the operator shall notify the supervisor of the Division's Hobbs District Office before injections 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 wells shall be governed by all provisions of Division Order No. R-5897 not inconsistent herewith.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
GIL CONSERVATION DIVISION


JOE D. RAMEY
Division Director

SEAL

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4. That the proposed injection wells are eligible for conversion to water injection under the terms of Order No. R-5897.
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, Phillips Petroleum Company, be and the same is hereby authorized to inject water into San Andres formations through plastic-lined tubing set in a packer approximately 100 feet above the top of the injection interval in the following described wells for purposes of pressure maintenance to wit:

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Range 35 East
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IT IS FURTHER ORDERED:

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taken on such wells to ensure that they will not serve as avenues of escape for injected waters, or tests have been conducted on such wells or evidence concerning such wells has been presented establishing to the satisfaction of the Supervisor of the Hobbs District Office of the Division that remedial work on such wells is unnecessary.

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 of leakage.

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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

SEAL