

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

ORDER PHX NO. 96

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 November 17, 1980, for permission to expand its East Vacuum Grayburg San Andres Pressure Maintenance Project in the Vacuum Grayburg San Andres Pool in Lea County, New Mexico.

NOW, on this 20th day of November, 1980, 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 well is 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 the San Andres formation in the following described wells for pressure maintenance,

East Vacuum Grayburg San Andres Unit, Tract 0449 Well No. 001 in Unit C of Section 4, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico through plastic-lined tubing set in a packer at approximately 4575 feet.

East Vacuum Grayburg San Andres Unit, Tract 0524, Well No. 006 in Unit C of Section 5, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico, through plastic-lined tubing set in a packer at approximately 4400 feet.

East Vacuum Grayburg San Andres Unit, Tract 0546, Well No. 002 in Unit C of Section 5, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico through plastic-lined tubing set in a packer at approximately 4550 feet.

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 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 pop-off valve or device which will limit the wellhead pressure to a maximum of 890 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 confining strata.

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

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 well or the leakage of water from or around said well and shall take such steps as may be timely or necessary to correct such failure or leakage.

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAHY
Division Director

SEAL