



## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

NATURAL RESOURCES GROUP  
Exploration and Production

August 18, 1980

Conversion to Water Injection Service--  
East Vacuum Grayburg-San Andres Unit  
Tract 2418, Well No. 002 and  
Tract 3127, Well No. 006  
Lea County, New Mexico

New Mexico Department of Energy and Minerals (3)  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey  
Division Director

Gentlemen:

We respectfully request administrative approval of expansion of waterflood injection well pattern, as provided by Order No. R-5897, Rule No. 9, for the East Vacuum Unit pressure maintenance project, to convert the East Vacuum Grayburg-San Andres Unit, Tract 2418, Well No. 002 and Tract 3127, Well No. 006, to water injection service. The following data is submitted in support of this request:

1. Unit Plats reflecting the proposed injection wells and injection wells project area. (Tract 2418, No. 002--Unit P, 24, 17-S, 34-E.) (Tract 3127, No. 006--Unit J, 26, 17-S, 35-E.)  
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2. B.H.C. Sonic Logs of the injection wells.
3. Diagramatic sketch of the proposed wells, injection tubing, packer, and pressure control elements identifying the San Andres perforated injection intervals.
4. The name of the injection formation is San Andres with injection to be into the respective well intervals 4493' to 4700' and 4313' to 4700'. The maximum anticipated injection pressure will be no more than 0.2 psi per foot to the top of the perforations with a maximum daily volume anticipated at 2500 barrels.

Administrative approval is requested under the cooperative line agreement with Phillips Petroleum Company as operator of the East Vacuum Unit and Texaco Inc. as operator of the Central Vacuum Unit. The attached letter

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of request for waiver dated August 12, 1980, has previously been submitted to your office. Texaco Inc. is to furnish a waiver to your attention.

In compliance with Order No. R-5897, a report of remedial action taken on wells listed in Exhibit "C" apart thereof, ensuring that the respective wells will not serve as an avenue of escape for injected water, will be submitted under separate date.

Your consideration and early advice will be appreciated.

Very truly yours,

A handwritten signature in cursive script, appearing to read "T. Harold McLemore".

T. Harold McLemore  
Area Regulation and Proration Supervisor

CAS/THM/jj  
Attachments

cc: ✓ Oil Conservation Division  
Hobbs, New Mexico  
(attachments w/o BHC Sonic Logs)