NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

April 15, 1997

Texaco Exploration & Production, Inc.
P.O. Box 730
Hobbs, New Mexico 88241-0730

Attn: Mr. Siamak Safargar

RE: Injection Pressure Increase,
Vacuum Grayburg San Andres Waterflood Unit,
Lea County, New Mexico

Dear Mr. Safargar:

Reference is made to your request dated February 17, 1997 to increase the surface injection pressure on 14 wells in the above referenced project. This request is based on step rate tests conducted on these wells between January 27 and February 14, 1997. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on several wells is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following wells:

Well and Location	Maximum Surface Injection Pressure
Vacuum Grayburg San Andres Unit Well No.4 Unit Letter M, Section 1, Township 18 South, Range 34 East	1500 PSIG
Vacuum Grayburg San Andres Unit Well No.16 Unit Letter I, Section 2, Township 18 South, Range 34 East	1480 PSIG
Vacuum Grayburg San Andres Unit Well No.18 Unit Letter K, Section 1, Township 18 South, Range 34 East	1930 PSIG
Vacuum Grayburg San Andres Unit Well No.30 Unit Letter K, Section 2, Township 18 South, Range 34 East	1400 PSIG
Vacuum Grayburg San Andres Unit Well No.32 Unit Letter L, Section 1, Township 18 South, Range 34 East	1730 PSIG
Vacuum Grayburg San Andres Unit Well No.44 Unit Letter F, Section 2, Township 18 South, Range 34 East	2100 PSIG

Well and Location	Maximum Surface Injection Pressure
Vacuum Grayburg San Andres Unit Well No.59 Unit Letter E, Section 2, Township 18 South, Range 34 East	2370 PSIG
Vacuum Grayburg San Andres Unit Well No.60 Unit Letter D, Section 2, Township 18 South, Range 34 East	1720 PSIG
Vacuum Grayburg San Andres Unit Well No.62 Unit Letter C, Section 2, Township 18 South, Range 34 East	1745 PSIG
Vacuum Grayburg San Andres Unit Well No.63 Unit Letter B, Section 2, Township 18 South, Range 34 East	2115 PSIG
Vacuum Grayburg San Andres Unit Well No.65 Unit Letter M, Section 35, Township 17 South, Range 34 East	1935 PSIG
Vacuum Grayburg San Andres Unit Well No.67 Unit Letter L, Section 35, Township 17 South, Range 34 East	2050 PSIG
Vacuum Grayburg San Andres Unit Well No.146 Unit Letter B, Section 2, Township 18 South, Range 34 East	1800 PSIG
Vacuum Grayburg San Andres Unit Well No.147 Unit Letter H, Section 2, Township 18 South, Range 34 East	2030 PSIG

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Hobbs
Files: 3rd Q97 PSI-X; Case File No.4852; PMXs-43, 74, 111, 120, 173

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

May 6, 1999

Texaco Exploration & Production, Inc.
P.O. Box 730
Hobbs, New Mexico 88241-0730

Attn: Mr. Siamak Safargar

RE: Injection Pressure Increase,
Vacuum Grayburg San Andres Unit Waterflood Project,
Lea County, New Mexico

Dear Mr. Safargar:

Reference is made to your request dated April 12, 1999 to increase the surface injection pressure on 5 wells in the above referenced project. This request is based on step rate tests conducted on these wells between March 17 and April 1, 1999. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on several wells is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following wells:

Well and Location	**Maximum Surface Injection Pressure**
Vacuum Grayburg San Andres Unit Well No.16 Unit Letter I, Section 2, Township 18 South, Range 34 East	1575 PSIG
Vacuum Grayburg San Andres Unit Well No.46 Unit Letter H, Section 2, Township 18 South, Range 34 East	2090 PSIG
Vacuum Grayburg San Andres Unit Well No.60 Unit Letter D, Section 2, Township 18 South, Range 34 East	2110 PSIG
Vacuum Grayburg San Andres Unit Well No.62 Unit Letter C, Section 2, Township 18 South, Range 34 East	2060 PSIG
Vacuum Grayburg San Andres Unit Well No.146 Unit Letter B, Section 2, Township 18 South, Range 34 East	1990 PSIG

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

Lori Wrotenbery
Director

LW/MWA/kv

cc: Oil Conservation Division - Hobbs
Files: 3rd QTR 99 PSI-X; Case File No.4852; PMXs-43, 74, 111, 120, 173

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

October 19, 2000

Texaco Exploration & Production, Inc.
P.O. Box 3109
Midland, Texas 79701

Attn: Mr. Stephen Guillot

RE: Injection Pressure Increase,
VGSAU Well No. 30 (API No. 30-025-24307)
Lea County, New Mexico

Reference is made to your request dated October 12, 2000 to increase the surface injection pressure on the above referenced well. This request is based on a step rate test conducted on October 4, 2000. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

Well and Location	***Maximum Surface Injection Pressure Water***
VGSAU Well No. 30 *Unit K, Section 2, Township 18 South,* *Range 34 East*	*2000 PSIG*
Lea County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

Lori Wrotenbery by MWA

Lori Wrotenbery
Director

LW/MWA/kv

cc: Oil Conservation Division - Hobbs
Files: Case No. 4852 (Order No. R-4442); PMX's 43, 74, 111, 120, 173; IPI 4th QTR-2000