CF 6653

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

September 15, 1989

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Shell Western E & P Inc.
P.O. Box 576
Houston, Texas 77001

Attention: W. F. N. Kelldorf

Re: Injection Pressure Increase
N. Hobbs Grayburg San Andres
Pressure Maintenance Project
Lea County, New Mexico

Dear Sir:

Reference is made to your request dated March 27, 1989, to increase the surface injection pressure on twenty-six injection wells located within the N. Hobbs Grayburg San Andres Unit Pressure Maintenance Project. This request is based on step rate tests conducted on these wells during 1989. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on twenty-five of these wells is justified at this time.

You are therefore authorized to increase the surface injection pressure on the twenty-five wells as shown on Exhibit "A" attached hereto.

We would request that the step rate test conducted on the NHGSAU Well No. 29-132 be reconducted, inasmuch as the test data submitted is inconclusive.

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

xc: Oil Conservation Division-Hobbs
Case File-6653
D. Catanach
T. Gallegos

Injection Pressure Increase
Exhibit "A"

Well Name and No.	U-S-T-R	Maximum Surface Injection Pressure
NHGSAU Well No. 13-221	F-13-18S-37E	1200 PSIG
NHGSAU Well No. 19-112	D-19-18S-38E	1050 PSIG
NHGSAU Well No. 19-142	M-19-18S-38E	1200 PSIG
NHGSAU Well No. 19-332	J-19-18S-38E	1200 PSIG
NHGSAU Well No. 19-411	A-19-18S-38E	1200 PSIG
NHGSAU Well No. 19-431	I-19-18S-38E	1150 PSIG
NHGSAU Well No. 20-233	K-20-18S-38E	1200 PSIG
NHGSAU Well No. 24-242	P-24-18S-37E	1120 PSIG
NHGSAU Well No. 28-111	D-28-18S-38E	1200 PSIG
NHGSAU Well No. 28-221	F-28-18S-38E	1200 PSIG
NHGSAU Well No. 28-232	K-28-18S-38E	1150 PSIG
NHGSAU Well No. 29-122	E-29-18S-38E	1200 PSIG
NHGSAU Well No. 29-322	G-29-18S-38E	1200 PSIG
NHGSAU Well No. 29-411	A-29-18S-38E	1200 PSIG
NHGSAU Well No. 29-442	P-29-18S-38E	1200 PSIG
NHGSAU Well No. 30-222	F-30-18S-38E	1090 PSIG
NHGSAU Well No. 30-232	K-30-18S-38E	1200 PSIG
NHGSAU Well No. 30-422	H-30-18S-38E	1200 PSIG
NHGSAU Well No. 31-141	M-31-18S-38E	980 PSIG
NHGSAU Well No. 31-312	G-31-18S-38E	1200 PSIG
NHGSAU Well No. 32-141	M-32-18S-38E	1200 PSIG
NHGSAU Well No. 32-222	F-32-18S-38E	1200 PSIG
NHGSAU Well No. 32-432	I-32-18S-38E	930 PSIG
NHGSAU Well No. 33-221	F-33-18S-38E	910 PSIG
NHGSAU Well No. 33-322	G-33-18S-38E	1000 PSIG