



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

April 21, 1988

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

 Phillips Petroleum Company
 4001 Penbrook
 Odessa, Texas 79762

Attention: L. M. Sanders

 Re: Injection Pressure Increase
 Burch-Keely Waterflood
 Eddy County, New Mexico

Dear Sir:

Reference is made to your request dated February 10, 1988, to increase the surface injection pressure on twenty-one wells located within the Burch-Keely Waterflood Project. This request is based on step rate tests conducted on these wells during August and September, 1987. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on the wells shown on Exhibit "A" is justified at this time.

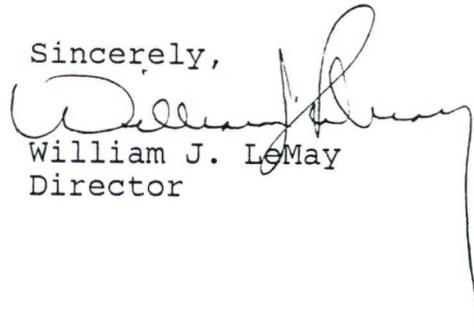
You are therefore authorized to increase the surface injection pressure on the wells shown on Exhibit "A".

Due to inconclusive test results obtained from the following wells, we request that the tests on these wells be conducted again prior to authorizing an injection pressure increase:

Keely "B" Federal No. 7	Unit G, Section 26, T-17S, R-29E
Keely "C" Federal No. 5	Unit O, Section 24, T-17S, R-29E
Keely "C" Federal No. 10	Unit E, Section 25, T-17S, R-29E
Keely "C" Federal No. 16	Unit K, Section 26, T-17S, R-29E
Keely "C" Federal No. 18	Unit K, Section 25, T-17S, R-29E
Keely "B" Federal No. 11	Unit O, Section 26, T-17S, R-29E

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,

A handwritten signature in black ink, appearing to read 'William J. LeMay', with a long, sweeping tail extending downwards and to the right.

William J. LeMay
Director

xc: OCD-Artesia
D. Catanach
D. McDonald
Case File 7572

EXHIBIT "A"
 INJECTION PRESSURE INCREASE
 BURCH - KEELY WATERFLOOD PROJECT

WELL NAME	LOCATION	MAXIMUM SURFACE PRESSURE
Burch BB Fed No. 6	Unit M, Sec. 19, T-17-S, R-30-E	690 PSIG
Burch BB Fed No. 10	Unit C, Sec. 30, T-17-S, R-30-E	560 PSIG
Keely A Fed No. 5	Unit I, Sec. 24, T-17-S, R-29-E	570 PSIG
Keely A Fed No. 15	Unit G, Sec. 24, T-17-S, R-29-E	810 PSIG
Keely B Fed No. 6	Unit C, Sec. 25, T-17-S, R-29-E	700 PSIG
Keely B Fed No. 10	Unit I, Sec. 26, T-17-S, R-29-E	640 PSIG
Keely C Fed No. 12	Unit G, Sec. 25, T-17-S, R-29-E	850 PSIG
Keely C Fed No. 21	Unit M, Sec. 26, T-17-S, R-29-E	880 PSIG
Keely C Fed No. 23	Unit M, Sec. 25, T-17-S, R-29-E	580 PSIG
Keely C Fed No. 25	Unit O, Sec. 25, T-17-S, R-29-E	900 PSIG
Burch BB Fed No. 19	Unit A, Sec. 23, T-17-S, R-29-E	560 PSIG
Burch C Fed No. 17	Unit C, Sec. 23, T-17-S, R-29-E	560 PSIG
Keely A Fed No. 7	Unit K, Sec. 24, T-17-S, R-29-E	630 PSIG
Keely B Fed No. 24	Unit M, Sec. 24, T-17-S, R-29-E	560 PSIG
Keely C Fed No. 8	Unit A, Sec. 25, T-17-S, R-29-E	560 PSIG