



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

March 10, 1998

The Wiser Oil Company
P.O. Drawer 2568
Hobbs, New Mexico 88241-2568

Attn: G.M. Jones

**RE: Injection Pressure Increase,
Skelly Unit Waterflood Project,
Lea County, New Mexico**

Reference is made to your request dated December 17, 1997, to increase the surface injection pressure on a field-wide group of wells in the above referenced waterflood project. This request is based on 16 step rate tests conducted between September 3 and 24, 1997. These tests will similarly affect 29 additional adjacent wells. The results of the tests and previous data have been reviewed by my staff. At this time, we feel an increase in injection pressure on the wells contained in your request is justified.

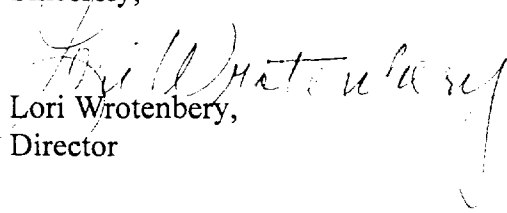
You are therefore authorized to increase the surface injection pressure on the following wells:

| Recently Tested Well Name and Number | Adjacent Well Name and Number | ULSTR | Authorized Pressure |
|---|--|--------------|--------------------------------|
| Skelly Unit Well No.43 | | C-22-17S-31E | 2064 PSIG |
| | Skelly Unit Well No.1 | N-15-17S-31E | 2064 PSIG |
| | Skelly Unit Well No.127 | O-15-17S-31E | 2064 PSIG |
| Skelly Unit Well No.45 | | G-22-17S-31E | 1784 PSIG |
| | None applicable | | |
| Skelly Unit Well No.51 | | I-22-17S-31E | 1728 PSIG |
| | Skelly Unit Well No.73 | L-23-17S-31E | 1728 PSIG |
| Skelly Unit Well No.53 | | K-22-17S-31E | 2111 PSIG |
| | Skelly Unit Well No.52 | J-22-17S-31E | 2111 PSIG |
| | Skelly Unit Well No.44 | F-22-17S-31E | 2111 PSIG |
| Skelly Unit Well No.54 | | L-22-17S-31E | 1923 PSIG |
| | Skelly Unit Well No.77 | P-21-17S-31E | 1923 PSIG |
| | Skelly Unit Well No.66 | H-21-17S-31E | 1923 PSIG |
| Skelly Unit Well No.58 | | P-22-17S-33E | 2013 PSIG |
| | Skelly Unit Well No.121 | M-23-17S-31E | 2013 PSIG |
| | Skelly Unit Well No.84 | A-27-17S-31E | 2013 PSIG |
| Skelly Unit Well No.59 | | A-21-17S-31E | 1876 PSIG |
| | Skelly Unit Well No.101 | E-22-17S-31E | 1876 PSIG |
| | Skelly Unit Well No.60 | B-21-17S-31E | 1876 PSIG |

| Recently Tested Well Name and Number | Adjacent Well Name and Number | ULSTR | Authorized Pressure |
|---|--|--------------|--------------------------------|
| Skelly Unit Well No.64 | | F-21-17S-31E | 1742 PSIG |
| | Skelly Unit Well No.63 | D-21-17S-31E | 1742 PSIG |
| | Skelly Unit Well No.62 | E-21-17S-31E | 1742 PSIG |
| Skelly Unit Well No.65 | | G-21-17S-31E | 1928 PSIG |
| | Skelly Unit Well No.61 | C-21-17S-31E | 1928 PSIG |
| | Skelly Unit Well No.11 | I-21-17S-31E | 1928 PSIG |
| Skelly Unit Well No.68 | | K-21-17S-31E | 1590 PSIG |
| | Skelly Unit Well No.75 | N-21-17S-31E | 1590 PSIG |
| | Skelly Unit Well No.67 | J-21-17S-31E | 1590 PSIG |
| Skelly Unit Well No.74 | | M-21-17S-31E | 1348 PSIG |
| | Skelly Unit Well No.300 | I-23-17S-31E | 1348 PSIG |
| | Skelly Unit Well No.90 | C-28-17S-31E | 1348 PSIG |
| Skelly Unit Well No.79 | | N-23-17S-31E | 1590 PSIG |
| | Skelly Unit Well No.82 | C-26-17S-31E | 1590 PSIG |
| | Skelly Unit Well No.83 | D-26-17S-31E | 1590 PSIG |
| Skelly Unit Well No.86 | | C-27-17S-31E | 1927 PSIG |
| | Skelly Unit Well No.85 | B-27-17S-31E | 1927 PSIG |
| | Skelly Unit Well No.57 | O-22-17S-31E | 1927 PSIG |
| Skelly Unit Well No.87 | | D-27-17S-31E | 1824 PSIG |
| | Skelly Unit Well No.55 | M-22-17S-31E | 1824 PSIG |
| | Skelly Unit Well No.56 | N-22-17S-31E | 1824 PSIG |
| Skelly Unit Well No.88 | | A-28-17S-31E | 1966 PSIG |
| | Skelly Unit Well No.95 | H-28-17S-31E | 1966 PSIG |
| | Skelly Unit Well No.107 | E-27-17S-31E | 1966 PSIG |
| Skelly Unit Well No.93 | | F-28-17S-31E | 1586 PSIG |
| | Skelly Unit Well No.94 | G-28-17S-31E | 1586 PSIG |
| | Skelly Unit Well No.100 | L-28-17S-31E | 1586 PSIG |
| Skelly Unit Well No.106 | | C-15-17S-31E | 1898 PSIG |
| | None applicable | | |

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

Injection Pressure Increase
The Wiser Oil Company
March 10, 1998
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LW/BES/kv

cc: Oil Conservation Division - Artesia ✓
File: Case File No.3547; WFXs-707, 714, 724; PSI-X 3rd QTR 98