



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

October 23, 1998

Assigned: IPI - 9

QA 08/18/2014
PPRG 1407142234

Devon Energy Corporation
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

Attn: Mr. Randy Jackson

**RE: Injection Pressure Increases:
C.A. Russell, Hudson Federal, Turner 'A',
Turner 'B' and Friess Fren Waterflood Projects,
Eddy County, New Mexico.**

Dear Mr. Jackson:

Reference is made to your request dated November 6, 1997 to increase the surface injection pressure on fifty-one wells in the above referenced projects. This request is based on step rate test data as well as additional inferred reservoir pressure data on these wells. The combined data have been reviewed by my staff and we feel an increase in injection pressures on these wells is justified at this time.

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

<i>Well Name and Number</i>	<i>WFX No.</i>	<i>Maximum Pressure</i>
<i>Section 18</i>		
C. A. Russell No.6	WFX-687	1661 psig
C. A. Russell No.7	WFX-687	1667 psig
C. A. Russell No.8	WFX-687	1643 psig
C. A. Russell No.9	WFX-687	1644 psig
C. A. Russell No.10	WFX-687	1651 psig
C. A. Russell No.11	WFX-687	1670 psig
Hudson Federal No.1	WFX-687	1661 psig
Hudson Federal No.6	WFX-687	1669 psig
Turner 'A' No.2	WFX-687	1656 psig
Turner 'A' No.3	WFX-687	1652 psig
Turner 'A' No.10	WFX-687	1631 psig
Turner 'A' No.11	WFX-687	1630 psig
Turner 'A' No.13	WFX-687	1628 psig
Turner 'A' No.56	WFX-687	1653 psig
Turner 'A' No.58	WFX-687	1635 psig

<i>Well Name and Number</i>	<i>WFX No.</i>	<i>Maximum Pressure</i>
<i>Section 19</i>		
Fren Oil Company No.7	WFX-705	1733 psig
Fren Oil Company No.8	WFX-705	1733 psig
Fren Oil Company No.12	WFX-705	1764 psig
Fren Oil Company No.13	WFX-699	1753 psig
Fren Oil Company No.25	WFX-699	1740 psig
Friess Federal No.5	WFX-699	*TBD x .63
Turner 'A' No.5	WFX-697	1721 psig
Turner 'A' No.9	WFX-687	1701 psig
Turner 'A' No.12	WFX-687	1683 psig
Turner 'A' No.14	WFX-717	1701 psig
Turner 'A' No.15	WFX-687	1721 psig
Turner 'A' No.35	WFX-687	1688 psig
Turner 'A' No.36	WFX-687	1709 psig
Turner 'A' No.57	WFX-687	1708 psig
<i>Section 20</i>		
Turner 'B' No.6	WFX-699	1667 psig
Turner 'B' No.8	WFX-699	1679 psig
Turner 'B' No.9	WFX-712	*TBD x .61
Turner 'B' No.11	WFX-712	*TBD x .61
Turner 'B' No.42	WFX-699	1653 psig
Turner 'B' No.43	WFX-699	1721 psig
Turner 'B' No.51	WFX-712	1707 psig
Turner 'B' No.72	WFX-718	1783 psig
Turner 'B' No.79	WFX-699	1671 psig
Turner 'B' No.131	WFX-699	1683 psig
<i>Section 29</i>		
Turner 'B' No.48	WFX-699	1777 psig
Turner 'B' No.49	WFX-699	1849 psig
Turner 'B' No.52	WFX-699	1799 psig
Turner 'B' No.59	WFX-712	1848 psig
Turner 'B' No.60	WFX-699	1900 psig
Turner 'B' No.62	WFX-712	*TBD x .60
Turner 'B' No.63	WFX-706	*TBD x .60
Turner 'B' No.71	WFX-706	*TBD x .60
Turner 'B' No.133	WFX-706	1925 psig
<i>Section 30</i>		
Max Friess No.1	WFX-705	1612 psig

<i>Well Name and Number</i>	<i>WFX No.</i>	<i>Maximum Pressure</i>
Max Friess No.3	WFX-705	*TBD x .56
Max Friess No.4	WFX-699	1630 psig
Turner 'B' No.53	WFX-699	1692 psig
Turner 'B' No.76	WFX-706	*TBD x .56
Turner 'B' No.107	WFX-706	1653 psig
Turner 'B' No.108	WFX-706	1675 psig
Turner 'B' No.109	WFX-706	1712 psig
Turner 'B' No.110	WFX-706	1749 psig
Turner 'B' No.111	WFX-706	1713 psig

**TBD (To be determined) by top perforation depth times pressure gradient indicated.*

All wells located in Township 17 South, Range 31 East, Eddy 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
Director

LW/BES/kv

cc: Oil Conservation Division - Artesia
Files: As indicated in text; PSI-X 2nd QTR 98