

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



October 11, 2017

Mr. Brian Wood
Permits West
37 Verano Loop
Santa Fe, NM 87508

RE: Administrative Order WFX-971; Request for Injection Pressure Increase
Northeast Drinkard Unit Well No. 613 (API 30-025-09919)
1980 FNL, 660 FEL; Unit H, Sec 15, T21S, R37E, NMPM, Lea County, New Mexico
Order Date: September 13, 2017
Injection into the Eunice; Blinbry Tubb Drinkard, North Pool (Pool code 22900)

Mr. Wood:

Reference is made to your request on behalf of Apache Corporation ("Apache" or "operator") for approval of Increase in Injection Pressure (IPI) for Application for WPX-971, issued on September 13, 2017.

Apache was approved for an injection pressure of 1140 psig, which is .2 psi/ft times the top of the perforated interval, within the approved injection interval.

Following the approval of Order WFX-971, Apache provided additional information to the Engineering Bureau that Administrative Order IPI-185 was issued for the Northeast Drinkard Unit, in which the approved injection pressure is 1375 psig.

The 1375 psig should be approved for the Northeast Drinkard Unit Well No. 613. This will ensure continuity of pressure within the reservoir, which should increase the sweep efficiency of the reservoir.

The Division finds that granting this request to extend this administrative order is in the interest of conservation, will prevent waste, and will protect the environment.

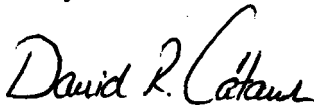
All requirements of the above referenced administrative order and agreements in the application remain in full force and effect.

The Injection Pressure Increase for the Northeast Drinkard Unit Well No. 613, as submitted to the

Apache Corporation
Northeast Drinkard Unit Well No. 613
WFX-971 Injection Pressure Increase
October 11, 2017
Page 2 of 2

Engineering Bureau dated October 11, 2017, is hereby approved.

Sincerely,



DAVID R. CATANACH
Director

DRC/mam

cc: New Mexico Oil Conservation Division – Hobbs Office
New Mexico State Land Office – Oil, Gas, and Minerals
Well File – 30-025-09919
Case File - 9232
WFX -971



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

Apache Corporation

6120 S. Yale, Suite 1500

Tulsa, Oklahoma 74136

August 13, 2002

Lori Wrotenbery

Director

Oil Conservation Division

Attn: Mr. Kevin Mayes

RE: Injection Pressure Increase, -185
Northeast Drinkard Unit
Waterflood Project
Lea County, New Mexico

Dear Mr. Mayes:

Reference is made to your request dated July 25, 2002, to increase the surface injection pressure on all injection wells within the above-referenced water flood project. This request is based on recent step rate tests conducted on twelve (12) injection wells during 2002. Test results have been reviewed, and we feel an increase in injection pressure is justified at this time.

You are therefore authorized to increase the surface injection pressure on all current injection wells within this water flood to a maximum surface injection pressure of 1375 psig. In addition, you are authorized to increase the surface injection pressures on the twelve (12) test wells to the pressures as shown on the attached Exhibit "A".

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

Sincerely,

Lori Wrotenbery (wv)
Lori Wrotenbery
Director

LW/wvj

cc: Oil Conservation Division - Hobbs

Files: R-8541; IPI-2002; WFX-576, 579, 583, 624, 674, 722, 740, 752, 759, and 774
Attachment