

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

John Bemis
Cabinet Secretary

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Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division



Administrative Order IPI-418-A
January 3, 2013

Fatima Vasquez
Apache Corp
303 Veterans Airpark Lane
Suite 3000
Midland, TX 79705

RE: Injection Pressure Increase
SWD-1094, SWD; Cisco Pool
Geronimo 28 State Well No. 1 API 30-015-31829
Unit J, Sec 28, T17S, R28E, NMPM, Eddy County, New Mexico

Dear Ms. Vasquez:

Reference is made to your request on behalf of Apache Corp (OGRID 873) received by the Division on January 2, 2012, to increase the maximum allowed surface tubing pressure on the above named well with a change in tubing size.

This well was permitted by the Division for water disposal from 7996 to 8380 feet in the Cisco formation by Division administrative Order SWD-1094 approved August 15, 2007. That permit allowed a maximum disposal tubing pressure of 1599 psi. On July 30, 2012, the Division approved a pressure increase to 2000 psi while injecting down 2-7/8 inch tubing after Apache had supported that request with a Step Rate Test.

It is our understanding that this well will not take a sufficient volume of fluid at the current pressure limit with 2-7/8 inch tubing and a larger tubing size is needed. It is also understood that an increase in tubing size to 3-1/2 inch will not result in the fracturing of the formation and confining strata.

Based on an increase in tubing size to 3-1/2 inch and a new Step Rate Test for this well run November 27, 2012, you are hereby authorized to inject at the following maximum surface tubing pressure:

Geronimo 28 State Well No. 1 API 30-015-31829 2000 psi

This approval is based on the provision that the tubing size, packer setting depth and completion interval for this well does not change. Any future requested pressure increase will require resubmission of additional data and data from a step-rate test. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well. This approval is subject to

your being in compliance with all other Division rules, including but not limited to Division Rule 19.15.5.9 NMAC.

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

Sincerely,



JAMI BAILEY
Director

JB/wvjj

cc: Oil Conservation Division – Artesia
Files: SWD-1094, IPI-418