

State of New Mexico  
Energy, Minerals and Natural Resources Department

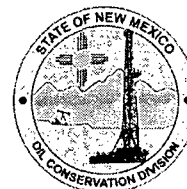
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**Susana Martinez**  
Governor

**John Bemis**  
Cabinet Secretary

**Brett F. Woods, Ph.D.**  
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