

State of New Mexico  
Energy, Minerals and Natural Resources Department

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**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



Administrative Order IPI-455  
November 1, 2013

Apache Corporation  
303 Veterans Airpark Lane, Suite 3000  
Midland, Texas 79705-9909  
Attn: Fatima Vasquez

**RE: Injection Pressure Increase**  
Disposal Permit: SWD-1378-B  
Pool: SWD; Wolfcamp and Cisco formations  
Geronimo 28 State SWD Well No. 2      API 30-015-40876  
Unit I, Sec 28, T17S, R28E, NMPM, Eddy County, New Mexico

Dear Ms. Vasquez:

Reference is made to your request on behalf of Apache Corporation (OGRID 873) received by the Division on September 9, 2013, to increase the maximum allowed surface tubing pressure on the above named well.

This well was permitted by the Division for water disposal in the Wolfcamp and Cisco formations by Division administrative order SWD-1378-B approved June 17, 2013. That permit allowed disposal through perforations from 7176 feet to 9150 feet at a maximum surface disposal pressure of 1435 psi.

It is our understanding that this well will not take a sufficient volume of fluid at the current pressure limit and a higher pressure limit is needed. It is also understood that an increase will not result in the fracturing of the formation and confining strata.

Based on a step-rate test for this well conducted on August 27, 2013, through 4½-inch tubing, you are hereby authorized to inject at the following maximum surface tubing pressure:

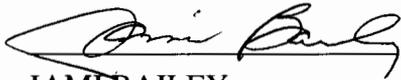
**Geronimo 28 State SWD Well No. 2      API 30-015-40876      2162 psig**

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 a new 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/prg

cc: Oil Conservation Division – Artesia  
State Land Office – Oil, Gas and Minerals Division  
File: SWD-1378-B