

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-428  
December 13, 2012

Ms. Fatima Vasquez  
Apache Corp  
303 Veterans Airpark Lane  
Suite 3000  
Midland, TX 79705-9909

**RE: Injection Pressure Increase**

Disposal Permit: SWD-1117  
Southeast Lusk 34 Federal Well No. 6  
Unit A, Sec 34, T19S, R32E, NMPM,

Pool: SWD; Delaware  
API: 30-025-37681  
Lea County, New Mexico

Dear Ms. Vasquez:

Reference is made to your request on behalf of Apache Corp (OGRID 873) to increase the maximum allowed surface tubing pressure on the above named well.

This well was permitted by the Division for water disposal into the Delaware Mountain Group by Division administrative permit SWD-1117 approved April 23, 2008. That permit allowed disposal from 4680 feet to 6786 feet with a maximum disposal tubing pressure of 936 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.

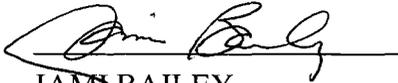
Based on a step rate test for this well run September 11, 2012, you are hereby authorized to inject at the following maximum surface tubing pressure:

**Southeast Lusk 34 Federal Well No. 6      API 30-025-37681      1625 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 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/wvjj

cc: Oil Conservation Division – Hobbs District Office  
Files: SWD-1117 and 30-025-37681