



# New Mexico Energy, Minerals and Natural Resources Department

**Bill Richardson**  
Governor

**Jon Goldstein**  
Cabinet Secretary

**Jim Noel**  
Deputy Cabinet Secretary

**Mark Fesmire**  
Division Director  
Oil Conservation Division



Administrative Order IPI-369  
May 21, 2010

Chesapeake Operating, Inc.  
P.O. Box 18496  
Oklahoma City, OK 73154-0496

Attention: Shannon Glancy

**RE: Injection Pressure Increase Request**

West Teas Yates-Seven Rivers Unit Well No. 433 (API No. 30-025-32032)  
Unit J, Sec 4, T20South, R33 East, NMPM, Lea County, New Mexico  
Yates and Seven Rivers formations

Dear Mr. Glancy:

Reference is made to your request on behalf of Chesapeake Operating, Inc. (OGRID 147179) received by the Division on April 27, 2010 to increase the surface to increase the surface injection pressure limit on the above named well.

This well was first approved by the Division for injection into with Hearing Order R-11375 and later approved by the Division with Administrative Order IPI-244 and given a maximum surface injection pressure of 968 psi.

The basis for granting this pressure increase is the step-rate test run by Cardinal, on this well on May 30, 2010. The results of the step rate test show that an increase in the surface injection pressure for this well is justified and will not result in the fracturing of the injection formation and confining strata.

You are hereby authorized to utilize up to **1650 psi** as the maximum surface injection pressure on this well provided the tubing, size, type, and setting depth does not change. However, you are prohibited from injecting at pressures that would induce fracturing.



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This approval is subject to your being in compliance with all other Division rules, including but not limited to Division Rule 5.9.

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 fresh water aquifers are being endangered.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark E. Fesmire". The signature is fluid and cursive, with a long horizontal stroke at the end.

Mark E. Fesmire, P.E.  
Acting Division Director

MEF/tw

cc: Oil Conservation Division – Hobbs  
Case No. 12272  
IPI-244