

State of New Mexico  
Energy, Minerals and Natural Resources Department

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**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary

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

**David R. Catanach, Division Director**  
Oil Conservation Division



Administrative Order IPI-479  
January 20, 2015

Mr. Jeff Harvard  
Harvard Petroleum Company, LLC  
P.O. Box 936  
Roswell, NM 88202

**RE: Injection Pressure Increase**

Injection Authority: Amended Administrative Order SWD-486

Pool: SWD; Delaware (Pool code: 96100)

James Federal No. 1                      API 30-025-31515

Unit O, Sec 29, T23S, R32E, NMPM, Lea County, New Mexico

Dear Mr. Harvard:

Reference is made to your request on behalf of Harvard Petroleum Company, LLC (OGRID 10155) received by the Division on January 13, 2015, to increase the maximum allowed surface tubing pressure on the above named well.

This well was permitted by the Division for disposal of produced water through open hole in the Delaware formation (the Bell Canyon formation of the Delaware Mountain group) by Amended Order SWD-486 approved August 25, 1994. The maximum surface tubing pressure approved by the administrative order was 969 pounds per square inch (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 October 21, 2014, through 2 3/8-inch tubing, you are hereby authorized to inject at the following maximum surface tubing pressure:

**James Federal Well No. 1**

**API 30-025-31515**

**2260 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,

  
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DAVID R. CATANACH  
Director

DRC/prg

cc: Oil Conservation Division – Hobbs District Office  
Bureau of Land Management – Carlsbad Field Office  
Well File 30-025-31515