

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-446  
September 30, 2013

Mesquite SWD, Inc.  
P. O. Box 1479  
Carlsbad, NM 88221  
Attn: Dr. Kay Havenor, Geoscience Technologies

**RE: Injection Pressure Increase**  
Disposal Permit: SWD-649-B  
Pool: SWD; Bell Canyon and Cherry Canyon formations; Delaware Mountain Group  
Bran SWD Well No. 1      API 30-015-25697  
Unit P, Sec 11, T24S, R31E, NMPM, Eddy County, New Mexico

Dear Dr. Havenor:

Reference is made to your request on behalf of Mesquite SWD, Inc. (OGRID 161968) received by the Division on August 5, 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 Bell Canyon and Cherry Canyon formations (of the Delaware Mountain Group) by Division administrative Order SWD-649-B approved February 15, 2012. That permit allowed disposal through open hole from 4874 feet to 6740 feet at a maximum surface disposal pressure of 975 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 formations and confining strata.

Based on a step rate test for this well run July 18, 2013, through 3-1/2 inch tubing, you are hereby authorized to inject at the following maximum surface tubing pressure:

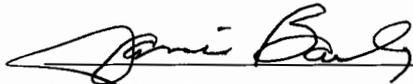
**Bran SWD Well No. 1                      API 30-015-25697                      1450 psi**

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,



JAMPBAILEY  
Director

JB/prg

cc: Oil Conservation Division – Artesia Office  
Bureau of Land Management – Carlsbad Office  
File: SWD-649-B