

State of New Mexico  
Energy, Minerals and Natural Resources Department

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**Michelle Lujan Grisham**  
Governor

**Melanie A. Kenderdine**  
Cabinet Secretary-Designate

**Ben Shelton**  
Deputy Secretary (Acting)

**Gerasimos "Gerry" Razatos**  
Division Director (acting)  
Oil Conservation Division



**BY ELECTRONIC MAIL ONLY**

Cole A. Ponce  
**Mack Energy Corporation**  
E-mail: ColePonce@mec.com

RE: Injection Pressure Increase; Order IPI-550  
McDonald SWD No. 001  
Lea County, New Mexico

Greetings Cole A. Ponce,

Reference is made to your request on behalf of Mack Energy Corporation (OGRID 013837; the "operator") for the application received on September 18, 2024, to increase the maximum allowed surface injection pressure ("MASIP") based on Step Rate Test result.

It is the Oil Conservation Division's ("OCD") understanding that the requested pressure increase is needed to increase the rate of injection and this pressure increase will not result in:

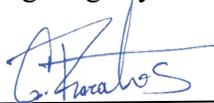
1. the fracturing of the permitted disposal interval.
2. the fracturing of either the upper or lower confining strata; or
3. induced-seismic events as a consequence of the higher injection pressure.

The Step Rate Tests ("SRT") on McDonald SWD No. 001, API # 30-025-33678 well indicates that a fracture of the formation was initiated at 3.5 BPM and at 2350psi (surface pressure).

Based on the SRT result a MASIP of 2350 psi minus a 10% safety factor which is 2115 psi shall be the new maximum allowable surface injection pressure limit, while equipped with tubing size as stipulated in authorization to inject order: SWD-2531.

This approval is based on the provision that the tubing size, packer setting depth and completion interval for the well does not change and all provisions in IPI-550 are adhered. Any future requested pressure increase will require resubmission of additional data and/or a new step-rate test. The Director retains the right to require, at any time, wireline verification of completion and packer setting depths in the well. This approval is subject to your being in compliance with all other OCD rules including, but not limited to, Rule 19.15.5.9 NMAC.

The Director may rescind any injection pressure increase permit if it becomes apparent that the injected fluid is not being confined to the permitted disposal interval, impacts correlative rights, is endangering any freshwater aquifer or endangers public health and safety.



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**GERASIMOS RAZATOS**  
**Division Director (Acting)**

**Date:** 10/10/2024

GR/ mgm

cc:

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 392663

**CONDITIONS**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 392663
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

**CONDITIONS**

Created By	Condition	Condition Date
mgebremichael	None	10/15/2024