

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

Ken McQueen  
Cabinet Secretary

Matthias Sayer  
Deputy Cabinet Secretary

David R. Catanach, Division Director  
Oil Conservation Division



Administrative Order IPI 510

April 17, 2017

Administrative Application Reference No. pWVJ1710065348

Ms. Cindy Herrera  
Chevron U.S.A. Inc.  
15 Smith Road  
Midland, TX 79705

**RE** Injection Pressure Increase  
Central Vacuum Unit Tertiary Recovery Project  
Vacuum Grayburg San Andres Pool (62180)

Dear Sir or Madame,

Reference is made to your request on behalf of Chevron U.S.A. Inc. (OGRID 4323) received on March 2, 2017, to increase the maximum allowed surface tubing pressure on the following well(s):

| Well No  | API Number   | ULSTR        | Order Allowing Injection | Existing Pressure Limit Psi | Existing Tubing OD In |
|----------|--------------|--------------|--------------------------|-----------------------------|-----------------------|
| CVU #133 | 30 075 25994 | B 12 18S 34E | R 5530 A                 | 1795                        | 2 3/8                 |
| CVU #135 | 30 075 25996 | L 6 18S 35E  | R 5530 A                 | 1120                        | 2 3/8                 |
| CVU #342 | 30 075 38002 | A 36 17S 34F | WFX 822                  | 1450                        | 2 3/8                 |
| CVU #459 | 30 075 38641 | D 31 17S 35E | WFX 835                  | 1500                        | 2 3/8                 |

It is our understanding that the requested pressure increase is needed to increase the rate of injection and this pressure increase will not result in the fracturing of the formation and confining strata.


Based on the results of the submitted step rate injection test(s), the following shall be the new pressure limit(s) while equipped with injection tubing:

| Well No  | Step Rate Test Date | New Pressure Limit | While Injecting | Injection Interval Feet | Pressure Gradient (in psi/ft) |
|----------|---------------------|--------------------|-----------------|-------------------------|-------------------------------|
| CVU #133 | 7/8/16              | 1600               | water           | 4543 to 4647            | 0.35                          |
| CVU #135 | 2/2/17              | 1120               | water           | 4341 to 4695            | 0.26                          |
| CVU #342 | 2/22/17             | 1840               | water           | 4334 to 4778            | 0.42                          |
| CVU #459 | 2/3/17              | 1700               | water           | 4367 to 4822            | 0.39                          |

This approval is based on the provision that the tubing size packer setting depth and completion interval for the well(s) does not change. Any future requested pressure increase will require resubmission of additional data and/or 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 the well(s). 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 any injection permit 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/wvj

cc Oil Conservation Division – Hobbs District Office  
State Land Office Oil Gas and Minerals Division  
Well File(s) Case 6256 (R 5530 A) WFX 822 WFX 835