|      |                     | SE ENGINEER RG LOGGED IN 10 2014 TYPE IPI APP   | PRG1403857273                            |
|------|---------------------|---|--|
|      | ]                   | Image: Big in the second se |  |
|      |                     | ADMINISTRATIVE APPLICATION CHECKLIS   | ST                                       |
| ٦    | THIS CHECKLIST IS M |   | ULES AND REGULATIONS                     |
| Арри | [DHC-Down<br>[PC-Po | ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneou<br>nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease<br>ol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Meas<br>[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansi<br>[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]   | Commingling]<br>surement]<br>on]         |
| [1]  | TYPE OF AP<br>[A]   | PLICATION - Check Those Which Apply for [A]<br>Location - Spacing Unit - Simultaneous Dedication<br>NSL NSP SD  | Chevison MidCost.<br>Central Vacuum Unit |
|      | Check<br>[B]        | One Only for [B] or [C]<br>Commingling - Storage - Measurement<br>DHC CTB PLC PC OLS OLM  | *458<br>30-025-38640                     |
|      | [C]                 | Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  |  |
|      | [D]                 | Other: Specify  |  |
| [2]  | NOTIFICAT<br>[A]    | ION REQUIRED TO: - Check Those Which Apply, or Does Not Ap<br>Working, Royalty or Overriding Royalty Interest Owners  | ply E                                    |
|      | [B]                 | Offset Operators, Leaseholders or Surface Owner   |  |
|      | [C]                 | Application is One Which Requires Published Legal Notice  | a 2                                      |
|      | [D]                 |   |  |
|      | [E]                 | For all of the above, Proof of Notification or Publication is Attach  | ed, and/or,                              |
|      | [F]                 | Waivers are Attached  |  |

## [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Anolyn X arme NM Petro Eng Tech Assistant Signature Title <u> 1-6-1</u>4 Date Carolyn Haynie Print or Type Name

chay@chevron.com

e-mail Address



Paul Brown Petroleum Engineering MidContinent Business Unit Chevron North America Exploration and Production Company 15 Smith Road Midland, TX 79705 Tel 432-687-7351 Fax 432-687-7871 PaulBrown@chevron.com

January 6, 2014

New Mexico Oil Conservation Division 1200 South St. Francis Drive Santa Fe, NM 87505

Water Injection Pressure Increase Request Injection Order WFX-835 Maximum Wellhead Injection Pressure: 1,500 psi Central Vacuum Unit No. 458 API No. 30-025-38640 UL A, Sec 36-17S-34E, 1,153' FNL & 848' FEL Lea County, NM

Attn: Engineering Department:

Chevron respectfully requests that the maximum water allowable injection pressure for CVU Unit 458 be increased to 1,925 psi.

CVU Unit 458 was drilled as an injection well and is perforated from 4369' to 4781'. A step rate test was performed on the subject well and is attached for your review.

Chevron is requesting that the maximum water injection pressure be increased from its present rate of 1500 psi to 1,925 psi. Doing so will allow Chevron to utilize the full pressure capability of its injection facility. The maximum injection pressure on the CO2 will remain at 2200 psi.

If additional information is required, please contact me at <u>PaulBrown@chevron.com</u> or call me at 432-687-7351.

Sincerely,

Brown / Chay

Paul T. Brown Petroleum Engineer New Mexico Area Midland, TX

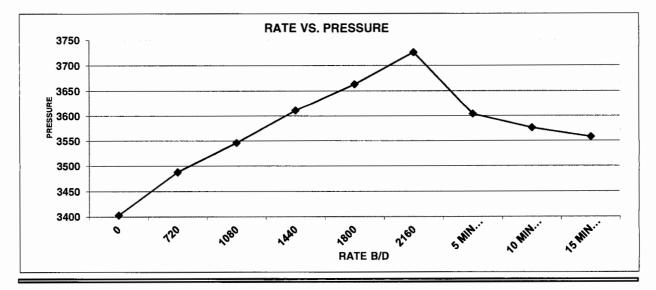


## STEP RATE TEST

graywsi2@aol.com

• • • ...

| RATE B/D                        | Date       | Time    | BH PRESS                  | SURF. PRESS  | Comments        |
|---------------------------------|------------|---------|---------------------------|--------------|-----------------|
| 0                               |            |         | 3403                      | 1400         |                 |
| 720                             |            |         | 3488                      | 1550         |                 |
| 1080                            |            |         | 3546                      | 1675         |                 |
| 1440                            |            |         | 3611                      | 1800         |                 |
|                                 | 12/18/2013 |         | 3663                      | 1925         | FRAC POINT      |
| 2160                            |            |         | 3726                      | 2075         |                 |
| 5 MIN FALL OFF                  | 12/18/2013 |         | 3604                      | 1660         |                 |
| 10 MIN FALL OFF                 | 12/18/2013 | 1:06 PM | 3576                      | 1630         |                 |
| 15 MIN FALL OFF                 | 12/18/2013 | 1:11 PM | 3558                      | 1605         |                 |
| Company: CHEVRON                |            |         |                           | Recorded By: | T. STANCZAK     |
| Well: CENTRAL VACUUM UNIT # 458 |            |         | Witnessed By:             |              |                 |
| Field: VACUUM                   |            |         | Truck Number:             | 104          |                 |
| County: LEA                     |            |         | District:                 | LEVELLAND    |                 |
| State:                          | NEW MEXICO |         |                           | Tool Number: |                 |
| Injecton                        | WATER      |         |                           | Test Type:   | STEP RATE TESTS |
| Shut In Time: 1:01:00 PM        |            |         | FRAC ACHIEVED @ 1800 B/D  |              |                 |
| Total Shut in Time: 15 MIN.     |            |         | 3663 BOTTOM HOLE PRESSURE |              |                 |
| Tubing Size: 2.375"             |            |         | 1925 SURFACE PRESSURE     |              |                 |
| Open Hole:                      | N/A        |         |                           |              |                 |
| Perforations: 4369'-4781'       |            |         | ]                         |              |                 |
| Plug Back Depth                 | 4904'      |         |                           |              |                 |



## CVU #458 Wellbore Diagram

