

**Rock Queen Unit
Proposed monitor wells offsetting CO2 Pilot**

Wells: RQU Producer Nos. 1, 2, 4, 5, 9, 10, 11, 20, 22, 25, 27, 29, 31, 33 and Injector Nos. 18, 21, 32.

Eight shut-in producers, 6 temporarily-abandoned producers, and 3 shut-in injectors.

- Celero is proposing to use these wells to monitor offset reservoir performance during the CO2 pilot.
- Limiting production to the north offers the best opportunity to maximize CO2 utilization by limiting possible CO2 migration.
- More cost effective than expanding water injection system and the number of injection wells to support what would likely be marginal or uneconomic production at this time.
- If necessary, a number of the wells could readily be converted to active WIW's to maintain a water curtain to the north and west of the project.
- Wells will be equipped with 2-3/8" plastic-coated tubing set on a packer. A single, minimum 1500 psi WP valve will be installed on each well.
- An MIT will be run after the installation of tubing and packer and each year thereafter.
- Bottomhole pressures will be measured initially and each quarter thereafter. The information would be made available to the NMOCD.
- Wells would remain as monitor wells for approximately 2 years while the performance of the pilot is evaluated.
- Sixteen of the 17 wells would be returned to production, and one would be returned to injection in the event the pilot is successful and the project is subsequently expanded.