

FutureGen 2.0 Characterization Well

Construction of the characterization well pad at the FutureGen 2.0 storage site in Morgan County has been completed and drilling has begun. The well will thoroughly characterize the full column of rock, including the Mount Simon sandstone, which is the target formation for carbon dioxide (CO₂) storage. The well will ensure that the Alliance continues to have the most accurate information about Morgan County geology as FutureGen 2.0 moves forward.

Characterization Well Facts

- The characterization well will be approximately 5,100 feet deep.
- Drilling will generally occur 24 hours a day, 7 days a week and is expected to take about 90 days, followed by approximately 3 to 4 weeks of additional on-site characterization activities.
- No CO₂ will be injected in this well now or in the future.

Contractors

- Local union contractor UCM performed construction of the well pad.
- Alliance contractor, Patrick Engineering Inc. of Springfield, Ill, conducted testing and quality assurance.
- Illinois company Les Wilson Drilling Inc. is performing drilling operations.



Environmental Protection

- The well pad is surrounded by a berm on three sides that has drainage and erosion controls to ensure that storm water is properly managed.
- These controls include covering the berms with topsoil and planting grass seed and placing erosion control blankets on slopes, berms, and ditches around the well pad.
- A reserve pit has been dug and lined with a rubber liner to contain any excess fluids generated during drilling.
- The berms and temporary trailers are arranged as noise barriers between the site and local residents to minimize potential noise impacts.

After Drilling is Completed

A wellhead will be installed to allow access to the wellbore for future geologic monitoring and the equipment will be removed. A portion of the gravel pad and an access road will remain for long-term access. The remainder of the site will be restored to its original condition unless the landowners request certain improvements remain (e.g., drainage systems or portions of the gravel pad that might be suitable for hosting various farm facilities).