

Kevin Dome Carbon Storage Project- Overview

Description The Kevin Dome Carbon Storage Project is a research study involving the injection and long-term storage of 1 million tons of carbon dioxide (CO₂) into an underground geologic feature known as the Kevin Dome.

Project Goals The overall goal of this project is to study the potential of using geologic features, such as the Kevin Dome, to permanently store regional CO₂ emissions.

Duration This is an eight-year project and work began in 2011.

Status The first step of the project is to complete permitting requirements. Currently, researchers are focusing on evaluating, mapping, and modeling the geophysical setting underground through a large seismic survey. The next steps of the project are to drill wells, develop project infrastructure, and establish long-term monitoring sites.

Previous research suggests the Kevin Dome has great potential for large scale carbon storage, because it has naturally stored CO₂ for millions of years. The geology of the dome includes dense “cap” rocks on top of less dense “porous” rocks. The layers of cap rock effectively trap and seal the CO₂ within the porous rocks and prevents the CO₂ from migrating to the surface.

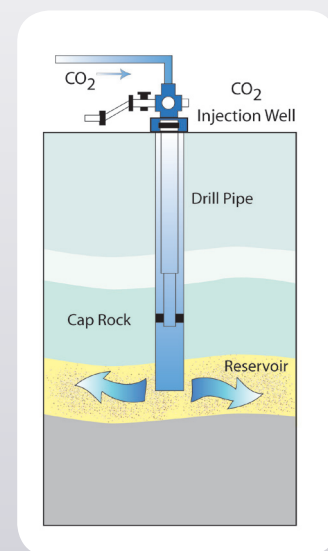
Contact Us If you would like to learn more about the project, please visit our Field Office in Shelby or check out our website: www.bigskyco2.org

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Seismic “Thumper” trucks



CO2 injection well site



*Public outreach meeting,
Shelby, MT 2012*