

Carbon Capture and Sequestration (CCS)

CCS is a proven technology to reduce CO₂ emissions and permanently trap it in geological formations deep underground.

1 | Carbon Capture

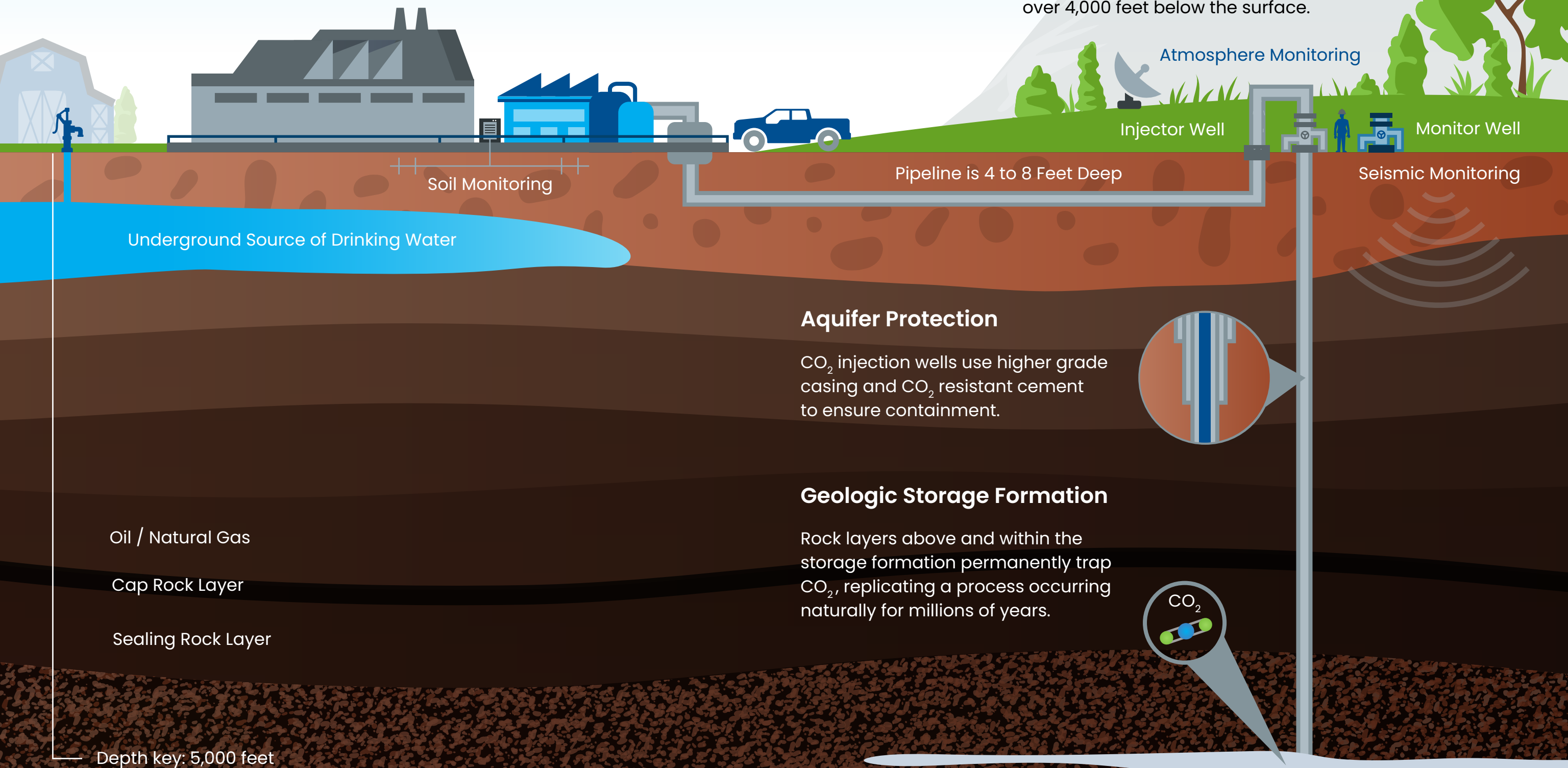
CCS separates CO₂ from the emissions of industrial processes before it can be released into the atmosphere.

2 | Transport

Captured CO₂ is transported via pipeline from the emissions source to geologic formations.

3 | Sequestration

EPA regulations guide the rigorous process to determine viable sequestration sites, which use rock layers to permanently trap CO₂ in porous sandstone formations over 4,000 feet below the surface.



Soil Monitoring

Atmosphere Monitoring

Injector Well

Monitor Well

Pipeline is 4 to 8 Feet Deep

Seismic Monitoring

Underground Source of Drinking Water

Aquifer Protection

CO₂ injection wells use higher grade casing and CO₂ resistant cement to ensure containment.

Geologic Storage Formation

Rock layers above and within the storage formation permanently trap CO₂, replicating a process occurring naturally for millions of years.

Oil / Natural Gas

Cap Rock Layer

Sealing Rock Layer

Depth key: 5,000 feet