



Protecting Colorado's Water

Civitas is committed to meet water standards set by the Colorado Oil and Gas Conservation Commission (COGCC) and conducts monthly monitoring and reporting to track water levels in its operating regions.

Specific to the Lowry Ranch site, Civitas has already had extensive outreach with state regulatory agencies on its proposed sites. Our company promotes a multilayer protection plan to safeguard our surface and underground water supplies. The surface location provides a natural ridge and is designed with best-practice stormwater controls. Additionally, oil and natural gas will be transported away from the location via pipeline helping to prevent spills.

For underground water protection, Civitas uses industry-supported redundant safeguards to insulate the wellbore. We follow COGCC-approved casing and cementing protocols to protect aquifers (for more information please see the [COGA Fact Sheet](#)).

It's also important to understand, the horizontal portions of the wellbores will be 7,000–8,000–feet below the ground surface, which means that more than a mile of rock isolates the horizontal wellbores from any aquifers or water sources.

General Water Protection Measures

Prior to drilling, the company measures water tables to monitor impact, then uses a protective casing and cement around wells past the water table. Monitoring wells are tested on a prescribed cycle to ensure local freshwater resources are protected. Water quality is tested prior to drilling to establish a baseline, and monthly testing continues throughout the drilling and completion phase. Finally, Civitas conducts a test six months after production as a last method of verification to ensure the integrity of its operating assets.

If the company were to ever have an event that impacts water quality, COGCC remediation protocols would be followed.

The company reduces water use through numerous efforts, including the use of tanks and temporary collapsible water pipelines to minimize unnecessary water evaporation. At sites where water collection infrastructure systems are available, Civitas reverses piped water disposal systems to enable water reuse. The subsurface zones targeted in the DJ basin generally do not produce water in sufficient volumes to supply other operations, therefore opportunities to recycle water are more limited than in other geographies.

When water is disposed, Civitas uses saltwater disposal (SWD) wells provided by a third party. Consistent with regulatory requirements and industry best practice, Civitas discloses the chemicals it uses during the hydraulic fracturing process through [FracFocus.org](#).

