



CARBON STORAGE SOLUTIONS

LOCATION: Front Range 2

DOCUMENT: Water Plan

Section 23, Township 6 North, Range 67 West

Lat: 40.466418°, Long: -104.859778°

Form 2A Doc No. 403691333

Weld County, Colorado

Background

Carbon Storage Solutions seeks to develop a well that will support a Class VI Carbon Capture Sequestration program. This EPA required well will monitor pressure, temperature, and formation fluid sampling.

Introduction

This Water Plan is intended to facilitate compliance with the Front Range 2 ECMC Rules and Regulations, Rule 304.c.(18). Carbon Storage Solutions recognizes the need for developing a responsible water allocation plan as it pertains to operations. The attached site-specific plan has been prepared in accordance with the Colorado Energy & Carbon Commission (ECMC) Rule 304.c.(18) for the Proposed Location in Weld County, Colorado.

Operating Requirements

As of January 15, 2021 all new location permits must include a Water Plan. The water plan must identify the planned source of water to be utilized for drilling and completion operations including:

1. The planned source and volume of all surface water and Groundwater to be used and the coordinates of the planned source of water;
2. The seller's name and address if water is to be purchased;

3. If recycled or reused water is anticipated to be used, a description of the source of that water, background concentrations of chemicals, anticipated method of transporting the water, and anticipated volumes to be used in addition to the reuse and recycling plan requirements of Rule 905.a.(3); and
4. If freshwater is anticipated to be used, a description of why the Operator does not intend to use recycled or reused water.

The operator will maintain a copy of this plan on location throughout the duration of the site drilling and completion operations.

Resources Impacted

The proposed well pad, a single stratigraphic well is planned for this Proposed Location and resides in Weld County, CO. Site-specific information detailing the water plan is included in the form below.

WATER PLAN INFORMATION

FRONT RANGE 2 - MONITOR WELL

Project Name Front Range 2
County, State Weld County, CO
Surface Hole Location S26, T6N, R67W

Basin: Denver-Julesburg
SHL Latitude: 40°27'17.87" (40.454964°)
SHL Longitude: 104°51'35.14" (104.859761°)

A. Planned Source(s) General information

Source Name	Drilling (bbls)	Completion (bbls)	Source Type	Coordinates
Front Range Energy Process Water	2,500	N/A	Ground Water	40°27'17.87", 104°51'35.14"

B. Planned Source(s) Seller Information

Source Name	Sellers Name	Address
N/A	N/A	N/A

C. Recycle/Reuse Plan

Source Name	Description	Concentration List	Transport Method
N/A	N/A	N/A	N/A

D. Freshwater Justification

CSS intends to use freshwater for the 2,500 bbls of water needed to drill the monitor well. Water will be sourced from permitted well water from Front Range Energy's water rights decreed in Case No. 05CW226, Water Division No. 1.

The use of recycled water from oil and gas wells is not proposed given that CSS would have to truck produced water from an offsite oil and gas location, which would result unnecessary truck traffic and environmental risk.