



LOCATION: Front Range 2

DOCUMENT: Order 1-325 Requirement #40 & #41

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 document is intended to facilitate compliance with the Colorado Order 1-326, regarding Operator's seeking to drill a stratigraphic well. More specifically, this document aims to address request #40 and #41 of Order 1-326;

- *Operators are to provide a general description of the reason for the stratigraphic well and its potential future use.*
- *Operators are to provide a general description of the timing, duration, and types of tests that may be run in the wellbore for stratigraphic and other scientific purposes.*

The proposed Front Range 2 Location and eventual proposed Front Range 2-1 well is required by the Environment Protection Agency's Underground Injection Control Program for Class VI wells. The Front Range 2-1 is part of a greater program to be used in conjunction with the Front Range 1-1 well, drilled in 2023. It is this Operator's goal to re-permit the Front Range 1-1 from that of a Stratigraphic Well, under ECMC primacy to that of a Class VI CO₂ injection well under EPA primacy.

The Front Range 2-1's intended use is that of a "Monitor Well," as part of the EPA UIC Class VI Program. As part of this program an Operator is asked to monitor sub-surface *temperature* and *pressure* from the upper confining zone (Lykins), lower confining zone (Lower Satanka) and injection zone (Lyons). Additionally, the Operator is asked to take fluid samples annually by way of swabbing the injection zone (Lyons) and the lowest most USDW above the upper confining zone (Jelm). By doing so, an Operator can monitor the arial extent of the CO₂ plume injected from the Front Range 1-1 well. At this time there are no plans to perform additional tests to the Front Range 2-1 well, other than a Triple Combo and Temperature Log while drilling.