
WATER PLAN



Bigfoot 11

Sec. 11 T4N R63W (SWNW & NWSW)

Weld County, Colorado

Surface: Fee

Submitted as an accompaniment to the Form 2A Application.
This plan identifies the planned source of water for drilling and completion operations.

Original Submittal: October 29, 2021

Resubmitted: December 10, 2021

Resubmitted: April 8, 2022



Confluence DJ LLC Weld County, Colorado

Water Plan

Project Summary:

Confluence's proposed Bigfoot 11 location is located in Township 4 North, Range 63 West, Section 11 in Weld County, Colorado. The proposed location is fee surface with a total pad disturbance of 17.67 acres with a working pad surface area of 11.2 acres and a production pad area of 6.9 acres after interim reclamation. The graded site elevation is expected to be approximately 4617 feet. Construction is anticipated to begin no sooner than March 2022.

Confluence DJ LLC's ("Confluence") Water Plan contains all requirements set forth by the Colorado Oil and Gas Conservation Rule 304.c.(18).

Water for drilling operations for the Bigfoot 11 location will be sourced from a water hydrant in the Ensign Well Services yard. Ensign Well Services is located at 24020 County Road 46 LaSalle, CO 80645. See attached map.

Water used for drilling operations will be trucked to the location.

Water used for completion operations will be purchased, and will be transported by a temporary water line ("layflat") from the 99 AF pond on TH Ranch private surface just north of the Bigfoot 11 location.

Please see attached map showing the location of the 99 AF pond with approximate location of the layflat water lines to the Bigfoot 11 location.

Water used for completion operations will be stored in water tanks on location.

Layflat definition: Temporary, above-ground water supply line, typically 12" in diameter and typically made of synthetic rubber or similar "hose" material. Layflat lines are used for the transfer of water from an identified water source to support company's hydraulic fracturing operations.

Layflat lines are laid on the surface, at grade and do not require excavation. They do not require staking to secure them from movement and are placed at least 10' from the edge of the roadway.

"Facilities" associated with use of Layflat lines include the following:

- In-line pumps
- Light plants with generators
- Spools
- Secondary containment equipment
- Ramps

Equipment used for installation may include pick-up trucks, flatbed trailers, skid steer, and skid steer mounted reel winder.

Deployment and Retrieval of a Layflat Line:

A truck carrying spools of hose follows alongside a skid steer tractor. The skid steer carries and straddles the spool of Layflat line and releases the hose by the reel rolling forward. Victaulic couplings are used to assemble segments of Layflat line. The process of retrieving the Layflat line involves the same equipment and process in reverse (reel rolling backward).

Layflat lines are periodically pressure tested to assess the integrity of the materials as well as determine if there are any leak points. Any line that does not pass the periodic pressure testing is retired and replaced.

Confluence currently produces approximately 420 bbls of water per day from its 25 active wells. While Confluence supports the theory behind recycling produced water for use in hydraulic fracturing, this level of water production over the course of the estimated completions duration for the Bigfoot 11 location would provide approximately 1.7% of our completion water needs. Mobilizing a water recycling unit for this level of contribution to the total water needs is not economically feasible.

Confluence is anticipating that approximately 2,160,000 barrels of surface water (99 AF Pond) and 16,000 barrels of groundwater (Ensign water hydrant) will be needed for drilling and completion for the wells on the Bigfoot 11 location. Confluence utilizes advanced hydraulic fracture modeling to optimize frac volumes and sand schedule to generate the best well stimulation with the least amount of water necessary.

Bigfoot 11 Location
Frac Water Source Map
Water Source: T4N R63W Sec. 11



Bigfoot 11 Location
Drilling Water Source Map
Water Source: T4N R64W Sec. 18

