

Cascade Creek 0697-15-08 Well Site
Equipment List - Rule 304.b.(5)
Flowline Description – Rule 304.b.(6)



Rule 304.b.(5) Site Equipment List.

The CC 0697-15-08 will have 18 wells drilled for the proposed location. Layout Drawings depict preliminary equipment for drilling, completions, and flowback activities. Drilling activity equipment will consist of a drill rig and its components. Equipment and components utilized during pre-production activities may be altered as depending on conditions, permitting timeframes, and equipment availability. Completions and flowback activities will be conducted concurrently.

The following equipment is planned for the CC 0697-15-08 well site during production:

- Four (4) – 5 Pack Separators – Only 18 separators will be installed at the site for the proposed 18 wells.
- Eight (8) Tanks (400 barrels each; 3,200 barrels total for Location) within a containment barrier. Tanks will be vapor manifolded together and will be routed to an enclosed combustor.
 - Two (2) Mixed-liquid condensate and produce water tanks “Gunbarrel Tanks”– (800 barrels total)
 - Four (4) Produced water tanks – (1,600 barrels total)
 - Two (2) Oil tanks – (800 barrels total)
- VOC combustors

The well site location will be identified with signage that adheres to applicable requirements in COGCC Rule 605. *Signage Requirements For Oil and Gas Operations.*

- **Rule 605.a. Oil and Gas Location Signage** - Laramie will post a sign at the entrance of the CC 0697-15-08 listing information required by Rule 605.a.
- **Rule 605.c. Drilling, Hydraulic Fracturing Treatment, Flowback, and Recompletion Operations** –Signage will be posted during activity phases stated in Rule 605.c.
- **Rule 605.d. Well Signage Requirements** – After a well is completed, signage will be posted that adheres to Rule 605.d.
- **Rule 605.g. General Sign Requirements** – Signs posted will abide by Rule 605.g. standards.
- **Rule 605.h. Tanks and Container labels** – Any tanks or containers within the perimeter of the proposed site location will be labeled in accordance with Rule 605.h.

Rule 304.b.(6) Flowline Descriptions.

The CC 0697-15-08 well site will include several types of lines within the site perimeter to accommodate associated well site activities. All flowlines will be buried 4 feet below the surface. The material used for each flowline is compatible to transfer the substance under a variety of conditions. Crude oil transfer lines will not be installed within the perimeter of any of the locations proposed in the 2021 Cascade Creek OGDG.

Flowlines will consist of 2-inch steel pipe. Each well hole will have a flowline that is connected to a separator within the site perimeter. Flowlines will start at the each of the

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eighteen wellheads and connect to the separators.

The produced water/condensate dumlins from the separators to the tanks will consist of 2-, 3-, or 4-inch steel above ground transitioning to an underground Flexpipe/Flexsteel. The below ground Flexpipe/Flexsteel and will be either 3-inch or 4-inch (determination will be made during the drilling phase). Laramie will record the diameter size upon installation.

Sales Lines will consist of 2-inch steel above ground tying into an 8-inch header below ground followed by an 8-inch steel pipe below ground. Water gathering pipe will consist of a 4-inch or 6-inch Flexpipe and will connect to Laramie's Cascade Creek water gathering pipe system.