



## **WATER PLAN**

Date: 4/27/2023

Locations: OGD DP455 / Y12-15 Pad and YY18-07 Pad

Legal Descriptions:

Y12-15 Pad: SWSE Section 12, Township 2 North, Range 64 West, 6<sup>th</sup> P.M., Weld County, Colorado

YY18-07 Pad: SWNE Section 18, Township 2 North, Range 63 West, 6<sup>th</sup> P.M., Weld County, Colorado

## Location Information

This document provides site-specific information for the OGDG DP455 Y12-15 Pad and YY18-07 Pad. The information in this document relates specifically to the time during the construction, drilling, completion, and production of the sixteen (16) proposed horizontal wells on these locations.

The proposed locations are northeast of the intersection of Weld County Road 59 and Weld County Road 20. The Y12-15 Pad will be in the SWSE Section 12, Township 2 North, Range 64 West, 6th P.M. zoned agricultural within the Weld County Ag-Rural Planning Area. The YY18-07 Pad will be in the SWNE Section 18, Township 2 North, Range 63 West, 6th P.M. zoned agricultural within the Weld County Near-Urban Planning Area.

The initial development for this area originally included plans to construct and operate one Multi and three Pads, but Noble has determined that these locations could be consolidated, successfully eliminating the need for one of the Pads and the Multi. The consolidated Y12-15 and YY18-07 Pads will each contain eight (8) horizontal wells that will produce to the existing Y11-28 Multi Facility, permitted as COGCC Location 450627.

## Water Sources

### Source Details

Ahead of completion activity, construction and drilling activities will utilize additional, but significantly smaller, water volumes. Typically, these water volumes are supplied independently of the completion water sources and may be trucked to location. Various water sources may be used for construction and drilling; sources will be selected based upon limiting trucking distance and minimizing adverse impacts related to construction and drilling activities. Tables 1 and 2 below present potential drilling and construction water source types, volumes, and locations.

**Table 1: Construction and Drilling Sources: Y12-15 Pad**

<u>Source Name</u>	<u>Source Type</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Est. Volume (BBLs)</u>	<u>Transport Method</u>
Fortress	Groundwater	40.1457°N	104.5089°W	2,500	Trucked
Fortress	Groundwater	40.1758°N	104.4895°W	2,000	Trucked
Fortress	Groundwater	40.1904°N	104.4846°W	7,000	Trucked

**Table 2: Construction and Drilling Sources: YY18-07 Pad**

<u>Source Name</u>	<u>Source Type</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Est. Volume (BBLs)</u>	<u>Transport Method</u>
Fortress	Groundwater	40.1457°N	104.5089°W	1,500	Trucked
Fortress	Groundwater	40.1758°N	104.4895°W	2,000	Trucked
Fortress	Groundwater	40.1904°N	104.4846°W	6,000	Trucked

Fortress Development Solutions  
3050 67th Ave STE 100  
Greeley, CO 80634

Although the proposed well pads are not located within the Mustang CDP, development activity within the adjacent Mustang CDP is ongoing, and significant water infrastructure has been constructed to utilize nearby surface water and groundwater sources. This existing infrastructure will be used to support the development of the Y12-15 and YY18-07 Pads, and additional temporary and permanent infrastructure will be constructed as needed to convey water sources to these Pads for development activities.

All freshwater for downhole frac operations will be moved by pipeline to minimize risks to public health, safety, environment, and wildlife. Planned water source types, volumes, and locations are summarized below in Tables 3 and 4.

**Table 3: Completion Sources: Y12-15 Pad**

<u>Source Name</u>	<u>Source Type</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Est. Volume (BBLs)</u>	<u>Transport Method</u>
AG Water Alliance, LLC	Ground Water	40.08729°N	104.423°W	3,100,000	Piped
Tallgrass Colorado Water, LLC	Ground Water	40.12264°N	104.546°W	800,000	Piped
A & W Water Service, LLC	Surface Water	40.23701°N	104.6314°W	400,000	Piped
Henrylyn Irrigation District	Surface Water	40.12065°N	104.5402°W	400,000	Piped

**Table 4: Completion Sources: YY18-07 Pad**

<u>Source Name</u>	<u>Source Type</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Est. Volume (BBLs)</u>	<u>Transport Method</u>
AG Water Alliance, LLC	Ground Water	40.08729°N	104.423°W	2,300,000	Piped
Tallgrass Colorado Water, LLC	Ground Water	40.12264°N	104.546°W	400,000	Piped
A & W Water Service, LLC	Surface Water	40.23701°N	104.6314°W	400,000	Piped
Henrylyn Irrigation District	Surface Water	40.12065°N	104.5402°W	400,000	Piped

Below are the seller's name and address of water sources planned for completions.

AG Water Alliance, LLC  
33521 CR 16  
Keenesburg, CO 80643

Tallgrass Colorado Water, LLC  
370 Van Gordon Street  
Lakewood, CO 80228

A&W Water Service, Inc.  
13025 CR 16  
Fort Lupton, CO 80621

Henrylyn Irrigation District  
29490 County Road 14  
Keenesburg, CO 80643

#### Water Recycling or Re-Use

The use of recycled produced water on the Y12-15 and YY18-07 Pads is not planned at this time due to the extensive distance between the locations and existing recycled water sources. Noble Energy is dedicated to increasing recycled water usage and will continue to explore opportunities to utilize recycled water at these Pads.