



## COGCC FORM INSTRUCTIONS

### FORM #2A 304.B.(7).G

#### RELATED LOCATION AND FLOWLINE MAP

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#### Document Control:

Created Date:	June 11, 2021
Document Owner:	OGLA Staff

#### Rule Citation:

**304.B.(7).G. Related Location and Flowline Map.** A U.S. Geological Survey topographic map, or scaled aerial photograph showing:

- i. All existing, approved, and proposed Oil and Gas Locations within 2,000 feet of the area affected by the proposed Oil and Gas Development Plan;
- ii. All proposed Flowline corridors, including Off-Location Flowline corridors, to or from the proposed Oil and Gas Location and to or from associated Oil and Gas Facilities.

#### Definitions:

See Attachment A.

#### Purpose of Attachment:

The purpose of this Related Location and Flowline Map is to show the relationship between all existing and proposed Oil and Gas Locations within the Oil and Gas Development Plan (“OGDP”) and within 2,000 feet of the area affected by the OGDP as well as showing all proposed flowline corridors within that area. The map aids staff in the evaluation of infrastructure planning and the potential impacts associated with the operations proposed in the OGDP, including Oil and Gas Locations, Access Roads, and support facilities; and the map helps in the evaluation of potential impacts from all new flowline and utility corridors.

The Related Location and Flowline Map is required to show all existing, approved, and proposed Oil and Gas Locations within 2,000 feet of the area affected by the proposed Oil and Gas Development Plan. For the purposes of determining another operator’s approved or proposed Oil and Gas Locations, the COGCC’s Colorado Oil and Gas Information System (“COGIS”) Database or GIS Online Interactive Map may be used.

## RELATED LOCATION AND FLOWLINE MAP

The “area affected” by the OGDG means the area(s) of mineral development, all areas with surface disturbance associated with oil and gas operations, all planned Access Roads, other related locations to be utilized under the OGDG (frac support pads, production pads, exploration and production (“E&P”) facilities, Pits), and all planned off-location flowline and/or utility corridors. The area affected does not include commercial E&P waste facilities, midstream facilities, public roads, or public utilities.

### **Requirements of Attachment:**

The Related Location and Flowline Map is required to show the Oil and Gas Locations, associated Access Roads, and Flowline/Utility Corridors that are part of the operations proposed in the OGDG. This map also shows all existing, approved (but not built), or proposed Oil and Gas Locations and/or Facilities within 2,000 feet of the area affected by the proposed OGDG.

1. The map is required to be based on a U.S. Geological Survey topographic map, or scaled aerial photograph. Aerial imagery used for the base maps will be current.
2. The map will show all Areas Affected by the OGDG and will include:
  - a) The area(s) of proposed mineral development, spaced sections, and existing or proposed drilling and spacing units (“DSUs”).
  - b) All areas with surface disturbance associated with and necessary for the development of oil and gas resources.
  - c) Identification of the related support pads associated with the OGDG development or within 2,000 feet of the area affected by the OGDG, to include all Centralized E&P Waste Management Facilities (“CEPWMF”) and land application sites within 2,000 feet of the area affected by the OGDG, frac support pads, and production facilities.
  - d) All planned (as part of the OGDG) Flowline/Flowline Corridors that leave the Oil and Gas Location from their point of origin to their end point (main gathering line, transfer station, or offsite production facility). This includes existing Flowline corridors that will be used for Locations that are part of the proposed OGDG. If a planned access road, flowline corridor, or related support pad are outside of the proposed OGDG boundary, the map should also include those features and show the areas within 2,000 feet of each feature.
3. All existing, approved, and proposed Oil and Gas Locations within 2,000 feet of the area affected by the Oil and Gas Location(s), Access Road(s), or Flowline/Flowline Corridors proposed in the OGDG. Proposed Oil and Gas Locations are those locations with pending Form 2As as shown on the COGCC

## RELATED LOCATION AND FLOWLINE MAP

online GIS map, in COGCC's eForms, or in the COGIS Database, at the time of OGDG submittal. The operator, location name, and location ID number (if available, document number, if not) will be provided, based on COGCC's COGIS database.

4. Closed or abandoned locations do not need to be identified on the map.
5. All Oil and Gas Locations and Facilities that are related to the operations described in the OGDG should be highlighted.
6. All proposed Off Location Flowlines will be shown. Midstream gathering lines are not regarded as Off Location Flowlines..
7. Depending on the number of Oil and Gas Locations described in the OGDG and scale of the map, additional maps may be necessary to provide the required information.
8. The map will include a scale bar, a north arrow, a legend of all symbols to identify pertinent features on the attachment, and a title block that identifies the Operator's name, Oil and Gas Location name, location identification (quarter/quarter, section, township, range, county), and any other relevant location information. The scale should be selected to optimize the amount of detail to clearly show the planned Oil and Gas Location(s) and all surrounding features.

### General Notes:

This map is intended to be used in the evaluation of the infrastructure planning and potential impacts associated with the use of nearby Locations and Flowlines to support operations proposed in the OGDG. The map should not be used as a substitute for formal utility location processes and is not intended to be used to satisfy Flowline reporting requirements. Examples of the general layout for the Related Location and Flowline Map attachment are presented in Attachment B.

### Attachment A

#### Definitions:

**Drilling and Spacing Unit (DSU):** means, consistent with § 34-60-116, C.R.S., lands allocated by the Commission to a single Well or multiple Wells for mineral development under a spacing order.

**Flowline:** means a segment of pipe transferring oil, gas, or condensate between a wellhead and processing equipment to the load point or point of delivery to a U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration or Colorado Public Utilities Commission regulated gathering line or a segment of pipe transferring produced water between a wellhead and the point of disposal, discharge, or loading. This definition of flowline does not include a gathering line. The different types of flowlines are:

- Wellhead Line means a flowline that transfers well production fluids from an oil or gas well to process equipment (e.g., separator, production separator, tank, heater treater), not including pre-conditioning equipment such as sand traps and line heaters, which do not materially reduce line pressure.
- Production Piping means a segment of pipe that transfers well production fluids from a wellhead line or production equipment to a gathering line or storage vessel and includes the following:
  - Production Line means a flowline connecting a separator to a meter, LACT, or gathering line;
  - Dump Line means a flowline that transfers produced water, crude oil, or condensate to a storage tank, pit, or process vessel and operates at or near atmospheric pressure at the flowline's outlet;
  - Manifold Piping means a flowline that transfers fluids into a piece of production facility equipment from lines that have been joined together to comingle fluids; and
  - Process Piping means all other piping that is integral to oil and gas exploration and production related to an individual piece or a set of production facility equipment pieces.
- Off-Location Flowline means a flowline transferring produced fluids (crude oil, natural gas, condensate, or produced water) from an oil and gas location to a production facility, injection facility, pit, or discharge point that is not on the

## RELATED LOCATION AND FLOWLINE MAP

same oil and gas location. This definition also includes flowlines connecting to gas compressors or gas plants.

- Peripheral Piping means a flowline that transfers fluids such as fuel gas, lift gas, instrument gas, or power fluids between oil and gas facilities for lease use.
- Produced Water Flowline means a flowline on the oil and gas location used to transfer produced water for treatment, storage, discharge, injection or reuse for oil and gas operations. A segment of pipe transferring only freshwater is not a flowline.
- Flowline Exclusion. A line that would otherwise meet any of the foregoing descriptions will not be considered a flowline if all of the following are satisfied:
  - the operator prospectively marks and tags the line as a support line;
  - the line is not integral to production;
  - the line is used infrequently to service or maintain production equipment;
  - the line does not hold a constant pressure; and
  - the line is isolated from a pressure source when not in use.

**Gathering Line:** means a gathering pipeline or system as defined by the Colorado Public Utilities Commission or a pipeline regulated by the U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration.

**Oil and Gas Facility:** means equipment or improvements used or installed at an oil and gas location for the exploration, production, withdrawal, treatment, or processing of crude oil, condensate, E&P waste, or gas.

**Oil and Gas Location:** means a definable area where an operator has disturbed or intends to disturb the land surface in order to locate an oil and gas facility.

**RELATED LOCATION AND FLOWLINE MAP**

**Attachment B**  
**Related Location and Flowline Map Examples (General Layout)**

