



COGCC FORM INSTRUCTIONS

FORM 2A

PRELIMINARY PROCESS FLOW DIAGRAMS

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Rule 304.b.(7).D. Preliminary Process Flow Diagrams. Process flow diagrams depicting:

- i. Flowback operations; and
- ii. Oil and gas production operations.

Purpose of Attachment

Preliminary Process Flow Diagrams are intended to schematically illustrate the equipment and process steps for flowback and production operations. The diagrams are necessary for an understanding of the scope and scale of the planned operations and facilitate a site specific review of the potential for planned operations to impact public health, safety, welfare, the environment or wildlife resources. The diagrams will represent the operator's best assessment of the equipment and processes that will be used for flowback and production operations. Operators should update the diagrams via Form 4 Sundry Notice to document any major process or equipment changes prior to initiating the operations.

Requirements List

1. Form/Database Attachment Name. PRELIMINARY PROCESS FLOW DIAGRAMS
2. Provide separate diagrams for flowback operations and production operations.
3. The Preliminary Process Flow Diagrams must include the Operator name and the Oil and Gas Location name.
4. Clearly identify the process being depicted (flowback or production) in the title of the diagram.
5. The Preliminary Process Flow Diagrams must include a legend.
6. The Preliminary Process Flow Diagrams must include a date and version number (if applicable).

PRELIMINARY PROCESS FLOW DIAGRAMS GUIDANCE

7. Temporary and permanent equipment associated with flowback operations must be shown and clearly identified using common/standard nomenclature and identified as temporary or permanent.
8. All major temporary and permanent storage and processing equipment associated with production operations must be shown and clearly identified using common nomenclature, and identified as temporary or permanent.
9. Include flow control, shut-off, and shutdown instruments, valves, pumps, and other associated equipment on the schematic diagrams. Identify automated, remote, and manual controls where applicable.
10. Include health and safety, emissions, and nuisance mitigation (i.e. odor and noise) equipment and controls.
11. Include volumes and capacities of temporary and permanent equipment where applicable.
12. Illustrate each Process Flow using arrows, common Piping and Instrumentation Diagram (“P&ID”) symbols and descriptions. Include all steps/stages of each process.
13. The Preliminary Process Flow Diagrams should maximize the available space on the page.
14. The Preliminary Process Flow Diagrams must provide an adequate description of each step and equipment that is legible, clear, and easily understood.

General Notes

The Preliminary Process Flow Diagrams should be in the form of a typical P&ID Diagram.