



Caerus Piceance LLC
1001 Seventeenth Street
Suite 1600
Denver, CO 80202

Flood Shut-In Plan¹

Introduction

This document provides a summary of the Flood Shut-In Plan for the proposed PCU Fed A27 197 CDP & Temporary Frac Pad (A27). The pad is in Lot 4, Section 27, Township 1 South, Range 97 West. Total disturbance of the A27 CDP & Frac Pad Site is approximately 5.692 acres, with total disturbance of the A27 pad along with access road, stockpiles, stormwater basins, and pipelines of approximately 27.449 acres. The A27 will serve as a remote completion support location and ultimately the Central Deliver Point (CDP) for the nearby PCU FED B27-197 Well Pad.

The A27 location is located on Federal Surface and Federal minerals at an elevation of 6,195.7 ft. This is in non-crop rangeland within the Piceance Creek Basin. Estimated timing for completions activity on this pad (for the completions B27) is starting March 2025 and is expected to continue into Fall of 2025.

Note, the identified flood plain is not recognized on the COGCC Floodplain layer, however, it is listed in the FEMA National Flood Hazard Layer (1% Annual Chance Flood Hazard Zone A).

Location (Center of CDP Pad)

NW ¼ NW ¼ (Lot 4) Sec. 27, T1S, R97W

Latitude: 39.941218 degrees

Longitude: -108.274611 degrees

Overarching Operational Considerations

As a large operator in Western Colorado, with most field personnel living and playing in the same areas that they work, Caerus takes its potential impacts on public safety, health, welfare, environment, and wildlife seriously. Protection of the environment and safety of the public and personnel are firmly entrenched in the minds and daily routine of Caerus employees. Each location will have its own site-specific approach to Fluid Leak Detection, with several overarching considerations during location planning.

It is important to note that the Flood Shut-In Plan is aligned closely with the Leak Detection and Emergency Response Plans.

Each Caerus location is a part of the company Spill Prevention, Countermeasure and Control (SPCC) plan. There are site specific plans for large compressor stations and water facilities. Each specific well pad is covered within the field wide SPCC plans that are in place. Each new location is reviewed, and a Professional Engineer certifies that the designed secondary containment measurements meet all regulatory requirements. Upon completion of pad build, there is confirmation of tank capacity and containment. A formal SPCC inspection is performed annually at each location. Location updates are incorporated and certified as required and all SPCC plans maintained and stored in Caerus' field offices.

Operator Contact Information

Caerus has a 24-hour manned Operations Control Center (OCC) that can be contacted with questions, concerns or to report an incident. There is an alternate control center in operation in the event of power or communication loss, or for extra support in events. They monitor information channels for the Piceance Basin and are in touch with CDOT, County and Emergency Authorities for all weather, emergencies, and potentially disruptive events. The OCC monitors alarms throughout the field and places callouts as needed to review and

¹ Version 1: December 2022. Version 2: March 2023.



Caerus Piceance LLC
1001 Seventeenth Street
Suite 1600
Denver, CO 80202

if needed, address concerns. The individuals in the OCC and alternate control center are trained in Incident Response and follow tracking and protocol if there is something that could impact Caerus operations. They are fully capable of handling multiple incidents at one time. Signs throughout the field list the OCC number, which is expected to be the first call for any potential incident.

The OCC number is: (970) 285-2615

Local Flood Plain Administrator

The Emergency & Natural Resources Manager for Rio Blanco County, where the pad is located, is Edward Smercina. His phone number is (970) 878-9586. The Emergency Management office is in Meeker, CO, with the phone number of (970) 878-9623.

The Road & Bridge team is reachable at (970) 878-9590 (Meeker) or (970) 878-9595 (Rangely).

The Planning Department, which includes GIS resources, provides mapping support for flood plains, and can be reached at (970) 878-9510.

Proposed Equipment and Volumes

As of January 2023, the equipment list and volumes are as follows:

Equipment Type	Quantity	Volume Each	Volume for Equipment Type
Meter/Sales Building	1		
Separators	3		
Electric Motors	16		
Condensate Tanks	3	1,000	3,000 bbl.
Electric Generators	3		
Water Tanks	3	1,000	3,000 bbl.
Pigging Station	4		
LACT Units	1		
Enclosed Combustion Devices	1		
Instrument Air/PDC Skid	1		
Electrical Rack	1		
Light Plants (temp)	10		
PW Storage Tanks (temp)	20	500 bbl.	10,000 bbl.
Third Party Chemical Totes (temp)	12	350 gal.	4,200 gal. (100 bbl.)
Pump Trailer (temp)	1		
High HP Pumps (temp)	16		
Hydration Units (temp)	1		
Boost Canon (temp)	2		
Iron Missile (temp)	1		
Data Van (temp)	1		
Chemical Add Unit (temp)	1		
Acid Tube (temp)	1		
Transports (temp)	1		
Crane (temp)	1		
Mechanic Shack (temp)	1		



Caerus Piceance LLC
1001 Seventeenth Street
Suite 1600
Denver, CO 80202

Knight fire suppression trailer (temp)	1		
Diesel Fuel Trucks (temp)	2		

The pad location has been designed to incorporate an external berm, plus a raised access point to enter the location. This berm would act as tertiary containment. A raised access point will increase the elevation level to which any flooding would have to reach to get to the pad surface.

The pad has also been designed with an area to store snow that is moved from the pad surface, minimizing additional potential damage and flooding concerns. In addition, stormwater requirements are built into the design of each pad location.

Written Plan and Triggers

When a warning for a flood event is given by the National Weather Service that may impact Caerus field operations, OCC will receive a notice from Community Counts Colorado [1(866)442-9034], a local group that is monitoring conditions real-time (24/7) and notifying operators of potential events that could impact the public. A notice is sent out from OCC to employees and direct contractors in the area. It is important to note that Caerus will also respond to public observations or concerns related to a specific weather event, if contacted through Community Counts, or in the case of an emergency, OCC.

An on-call employee will be dispatched, if the situation is safe, to check for concerns at the location and identify any immediate action that needs to be taken. Said actions will be communicated to OCC and may be taken on-site or remotely if the situation is not safe.

All wells and equipment are set up in SCADA to allow for remote shutdown, if deemed necessary. The equipment on pads can be shut down via a button on location or via remote Emergency Shut Down. Alarms are set in SCADA, monitored by OCC, and can be set to shut down given certain conditions.

In the event of a flood on Piceance Creek, the wells on the B27 location and hence the flow to the A27 CDP pad, will be shut-in until the risk on flood impacts have passed. If flood impacts occurred on the A27 CDP site, all equipment will be inspected and verified operationally safe prior to a return to service.

Shut-In Status Communication

Communication and tracking processes will vary based on what phase of operations the CDP/Frac pad is in. The tracking of status and notification of appropriate authorities including COGCC, BLM and county will vary – and will only take place in the event of a flood situation.

Completions/Fracturing

During the completions phase, the A27 location will be manned 24 hours per day. This presence will include third-party representatives, trained in Caerus requirements. OCC will be aware of the activity happening and will be on notice of any potential concerns related to flooding or traffic in the area for proper notification.

Flowback

During the flowback phase, the A27 location will be manned 24 hours per day. This presence will include third-party representatives, trained in Caerus requirements. OCC will be aware of the activity happening and will be on notice of any potential concerns related to flooding or traffic in the area for proper notification.



Caerus Piceance LLC
1001 Seventeenth Street
Suite 1600
Denver, CO 80202

Production

During the final production phase, the A27 location will have a designated production foreman and operators who will be responsible for activities and operation of this site. The operation of this site will include regular visits, AVO inspections, preventative maintenance, and response to upset conditions. Caerus will also complete annual inspections on the tanks and separators, to ensure that everything looks to be in working order and maintaining mechanical integrity. During upset conditions or other various reasons the A27 CDP may need to be shut down, the responsible foreman will manage this process and notify OCC and the District Superintendent on details and expected timeline of the shutdown. COGCC will be notified as part of the regular monthly well status reporting. COGCC and appropriate regulatory agencies will be notified as Caerus sees fit during emergency circumstances. Priority will always be environmental protection and human safety in an urgent scenario.

All agencies are welcome to contact Community Counts or Caerus OCC to check the status of a certain location for which they may have questions.

Pad Construction and Equipment Anchoring

During construction, on-location tanks and other equipment will be anchored properly to the ground to minimize the potential for equipment to move in case of a flood event. These cables and anchors will remain in place for the life of the pad. Inspections on location will assess the condition of the anchoring equipment at least annually.