

OIL AND GAS FLOODPLAIN DEVELOPMENT UNINCORPORATED CARTER COUNTY, OKLAHOMA

No development can occur in the floodplain until permit is issued.

Completion of a Floodplain Permit Application does not relieve any other permitting requirements of Carter County.

Include with Permit Application:

1. Detailed set of plans and specifications, including flood-proofing measures designed by a licensed engineer.
2. Copies of other required permits including those from the Corporation Commission (permit to drill when it becomes available) and 404 Permit from the U.S. Army Corps of Engineers (if needed).
3. Copy of Spill Prevention Plan and Counter Measure Plan.
4. Emergency Evacuation Plan (optional).

All structures and pieces of equipment in the 1% chance/100-year floodplain must be flood proofed (designed in a manner to reduce or eliminate flood damage, e.g. anchoring) or elevated.

- A base flood elevation (BFE) must be established and elevation and/or flood-proofing of equipment must be to the BFE.
- If the drilling and/or production site is in the floodway, you must demonstrate through an engineering study that there will be no increase in flood heights during the discharge of the 1% chance flood caused by development.
- Flood-proofing measures must include the following:
 1. Tank batteries and other equipment installed at the site in the floodplain shall be tied down to prevent flotation and lateral movement.
 2. Protection around any vulnerable equipment such as the well head must be installed to keep flood debris from damaging equipment which could release product into floodwaters or send equipment floating downstream.
- Pipelines must be buried at least 48 inches within a Special Flood Hazard Area and 72 inches under rivers or creeks. A Statement of Burial Depth Compliance is required. Above ground valves and meter runs may require a flood debris protection fence. A separate Floodplain Application is required for each floodplain crossing of the pipeline.
- Closed pit systems are required.
- Any material stored on the site that is highly volatile, flammable, explosive, toxic, or water reactive should be protected to at least the level of the 500-year flood.
- Drill site pad and road to well do not need to be elevated, but should not obstruct the natural flow of water (i.e. install culverts and flood control devices as needed). A culvert must be installed in the barrow ditch where the lease road meets the county road.
- Tree and brush debris will be removed from the floodplain.
- After drilling and production sites are completed, the Compliance Certification Form, filled out by a registered professional engineer, must be submitted, including a list of all production equipment on site. Submit an Elevation Certificate if anything was elevated above the BFE. The floodplain administrator will inspect the site at this time.
- This office must be notified if equipment is added after completion. If site is sold or assigned this office must be notified. A recomplete will only need a permit if new production equipment is added to an existing site.