

## Orr Energy LLC

### Applicant Proposed BMPs

Orr Energy LLC proposes to implement the following Best Management Practices (BMPs) to prevent or reduce impacts caused by oil and gas operations. The following BMPs have been developed with landowner review.

Orr Energy LLC proposes the following applicant proposed BMPs:

- When feasible develop multiple well sites by using directional drilling to reduce cumulative impacts and adverse impacts on wildlife resources.
- Use a closed-loop drilling mud system to preclude the use of earthen reserve pits when available.
- Fence the well site after drilling to restrict public and wildlife access.
- Keep the well site location, the road, and the pipeline easement free of noxious weeds, litter and debris.
- Spray for noxious weeds, and implement dust control, as needed.
- Use water bars, and other measures to prevent erosion and non-source pollution.
- Orr Energy LLC will not permit the release or discharge of any toxic or hazardous chemicals or wastes on Owner's Land.
- Remove only the minimum amount of vegetation necessary for the construction of roads and facilities.
- Conserve topsoil during excavation and reuse as cover on disturbed areas to facilitate regrowth of vegetation.
- No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment.
- Utilize only such area around each producing well as is reasonably necessary.
- Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations.
- Construct and maintain gates where any roads used by Orr Energy LLC cross through fences on the leased premises.
- Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation.
- All surface restoration shall be accomplished to the satisfaction of Owner.
- All reseeding shall be done with grasses consistent with a Rocky Mountain native mix or other grasses reasonably requested by surface owner and during planting period suggested by Owner.
- Co-locate gas and water gathering lines whenever feasible, and mitigate any erosion problems that arise due to the construction of any pipeline(s).
- Final reclamation shall be completed to the reasonable satisfaction of the Owner as soon as practical after installation (weather permitting) and in accordance with regulatory agency standards (BLM/COGCC).