

YATES PETROLEUM CORPORATION
Lease #C-61491 Big Hole Gulch Unit #2
SE ¼ SE ¼ of Section 8, T11N, R94W, 6th P.M.
Moffat County, Colorado

Best Management Practices

Drilling and Production operations wildlife protection measures

1. Ground disturbing activities at the Big Hole Gulch Unit #2 location, including pad construction, drilling, and completions would occur outside of the period from March 1 to June 30. Yates Petroleum Corporation will make a good faith effort to complete all activity on the Big Hole Gulch Unit #2 location during a single, uninterrupted time period.
2. Routine well site visitations to the Big Hole Gulch Unit #2 pad would be restricted to the period of 9:00 AM to 4:00 PM during the lekking season (March 1 to May 15). Exceptions would be made in the event of emergency repairs.
3. Yates Petroleum Corporation guidelines would be established to minimize wildlife mortality from vehicle collisions (posted speed limits, plus notification of all employees and contractors to drive cautiously and within those speed limits).
4. Yates Petroleum Corporation is researching and will make a good faith effort to design tanks, fences, and other facilities to prevent raptor/raven/crow perching and nesting, where feasible.
5. While the pit is in use (it contains water) and the potential exists for mosquito breeding, the pit will be treated with Bti to prevent the potential spread of West Nile Virus.
6. Yates Petroleum Corporation will use early and effective reclamation techniques, to return habitat used by sage grouse as quickly as possible.
7. Yates Petroleum Corporation will reclaim/restore sage grouse habitat with native grasses, forbs, and shrubs, conducive to optimal sage grouse habitat.
8. Yates Petroleum Corporation will use a high diversity reclamation seed mix/approved CP-4D seed mix, approved by the CDOW.
9. Avoid aggressive non-native grasses in sage grouse habitat reclamation.

10. Combining utility infrastructure (gas and water pipelines) alongside the access road to avoid the use of a separate utility corridor.
11. Implement fugitive dust control measures (watering).
12. To reduce vehicle-animal collisions, Yates Petroleum Corporation will either house the drilling crew on the location to minimize commuting, or strongly recommend car pooling to the pad site to reduce traffic.
13. Access by unauthorized parties will be restricted.
14. Vehicle parking will be restricted to disturbed areas.
15. The pipeline corridor within the vicinity of the RSO area has been consolidated.
16. As stated above, activity would be scheduled to avoid the sensitive time period for sage grouse.
17. Exclusionary devices will be installed to prevent entry by birds and wildlife into stacks, vents, and openings.
18. During pipeline installations, trench plugs or escape ramps will be installed to prevent the entrapment of wildlife, or restriction of wildlife movement.

Stormwater Management

After final approval of this APD and site specifics are known with certainty, Operator will file a Stormwater Permit Application with the CDPHE and prepare a Stormwater Management Plan for the site. This plan will cover in detail the proposed Best Management Practices (BMP's) for the site in order to manage run-on/run-off to/from the site. Long term BMP's may include the following practices:

Non-Structural Practices:

- ☐ **Seeding**
- ☐ **Covers/Matting**
- ☐ **Existing Vegetation/Terrain**

Structural Practices:

- ☐ **Culverts and Outlet Protection**
- ☐ **Riprap**
- ☐ **Ditch Checks**
- ☐ **Silt Fences**
- ☐ **Straw Bales**
- ☐ **Sausages/Wattles**

When initial site reclamation is accomplished in accordance with conditions in the approved drilling plan, a final control configuration will be established and maintained until the site reaches "Final Stabilization" under the CDPHE Stormwater Permit. If production is established at this well, monitoring and addressing erosion issues at the site will continue throughout the productive life of the well under the provisions of the applicable Stormwater Management Plan. Final reclamation activities at the end of the productive life of the well will require re-application for coverage under storm water permitting procedures.

Measures used to control pollutants in storm water discharges that occur after construction activities have been completed will be in accordance with Federal and State requirements for operations at well sites. These measures consist primarily of installation and maintenance of secondary containment structures around tanks and other production equipment and good housekeeping practices.

Self-monitoring and inspection of the site will meet the requirements of the CDPHE General Permit as issued for the site. Inspections, repairs, and/or modifications will be documented in writing and made available as required.