

PLANNING BMP's

- Yes Share/consolidate corridors for pipeline ROWs to the maximum extent possible.
- Yes Maximize the utility of surface facilities by developing multiple wells from a single pad (directional drilling), and by co-locating multipurpose facilities (for example, well pads and compressors) to avoid unnecessary habitat fragmentation and disturbance of additional geographic areas.
- Yes Minimize newly planned activities and operations within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river.
- Yes Locate roads outside of drainages where possible and outside of riparian habitat.
- Yes Avoid constructing any road segment in the channel of an intermittent or perennial stream
- Yes Avoid new surface disturbance and placing new facilities in key wildlife habitats in consultation with CDOW.
- Yes Minimize the number, length, and footprint of oil and gas development roads
- Yes Use existing roads where possible
- Yes Combine utility infrastructure (gas, electric, and water) planning with roadway planning to avoid separate utility corridors
- Yes Combine and share roads to minimize habitat fragmentation
- Yes Where possible, consolidate pipeline and existing roadways, or roadways that are planned for development
- Yes Place roads to avoid obstructions to migratory routes for wildlife, and to avoid displacement of wildlife from public to private lands.
- Yes Design roads with visual and auditory buffers or screens (e.g., topographic barriers, vegetation, and distance).
- Yes Maximize the use of directional drilling to minimize habitat loss/fragmentation
- Yes Maximize use of remote telemetry for well monitoring to minimize traffic
- Yes Phase and concentrate development activities, so that large areas of undisturbed habitat for wildlife remain.
- Yes Maintain undeveloped areas within development boundaries sufficient to allow wildlife to persist within development boundaries during all phases of construction, drilling, and production.
- Yes Minimize the duration of development and avoid repeated or chronic disturbance of developed areas. Complete all anticipated drilling within a phased, concentrated, development area during a single, uninterrupted time period.
- Yes Restrict oil and gas activities as practical during critical seasonal periods

CONSTRUCTION BMP's

- Yes Close and reclaim roads not necessary for development, including removing all bridges and culverts and recontouring/reclaiming all stream crossings.
- Yes Structures for perennial or intermittent stream channel crossings should be constructed using appropriately sized bridges or culverts
- Yes Design road crossings of streams to allow fish passage at all flows and to minimize the generation of sediment.
- Yes Design road crossings of streams at right angles to all riparian corridors and streams to minimize the area of disturbance to the extent possible.

DRILLING/COMPLETIONS BMP's

- Yes Install and maintain adequate measures to exclude all types of wildlife (e.g., big game, birds, and small rodents) from all fluid pits (e.g., fencing, netting, and other appropriate exclusion measures).
- Yes Conduct well completions with drilling operations to limit the number of rig moves and traffic.

PRODUCTION/RECLAMATION BMP'S

- Yes Restore both form and function of impacted wetlands and riparian areas and mitigate erosion.
- Yes Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements
- Yes Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife
- Yes WPX Energy will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.
- Yes Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.
- Yes Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.
- Yes Avoid dust suppression activities within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river where possible.
- Yes Bore pipelines that cross perennial streams
- Yes Install and use locked gates or other means to prevent unauthorized vehicular travel on roads and facility rights-of-way.