

## PLANNING BMP's

- \* Share/consolidate corridors for pipeline ROWs to the maximum extent possible.
- \* 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.
- \* Locate roads outside of drainages where possible and outside of riparian habitat.
- \* Avoid constructing any road segment in the channel of an intermittent or perennial stream
- \* Avoid new surface disturbance and placing new facilities in key wildlife habitats in consultation with CDOW.
- \* Minimize the number, length, and footprint of oil and gas development roads
- \* Use existing roads where possible
- \* Place roads to avoid obstructions to migratory routes for wildlife, and to avoid displacement of wildlife from public to private lands.
- \* Design roads with visual and auditory buffers or screens (e.g., topographic barriers, vegetation, and distance).
- \* Maximize the use of directional drilling to minimize habitat loss/fragmentation
- \* Maximize use of long-term centralized tank batteries to minimize traffic
- \* Maximize use of remote telemetry for well monitoring to minimize traffic
- \* Phase and concentrate development activities, so that large areas of undisturbed habitat for wildlife remain.
- \* Maintain undeveloped areas within development boundaries sufficient to allow wildlife to persist within development boundaries during all phases of construction, drilling, and production.
- \* Restrict oil and gas activities as practical during critical seasonal periods
- \* Implement self imposed timing limitations to protect species and/or habitat

## DRILLING/COMPLETIONS BMP's

- \* 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).

## PRODUCTION/RECLAMATION BMP's

Utilize staked soil retention blankets for erosion control and reclamation of large surface areas with 1.5:1 or steeper slopes. Avoid use of plastic blanket materials.

Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements

Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife

WPX Energy will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.

Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.

Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.