

PLANNING BMP's

- Yes P1 Share/consolidate corridors for pipeline ROWs to the maximum extent possible.
- Yes P2 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 P3 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 P4 Locate roads outside of drainages where possible and outside of riparian habitat.
- Yes P5 Avoid constructing any road segment in the channel of an intermittent or perennial stream
- Yes P6 Avoid new surface disturbance and placing new facilities in key wildlife habitats in consultation with CDOW.
- Yes P7 Minimize the number, length, and footprint of oil and gas development roads
- Yes P8 Use existing roads where possible
- Yes P9 Combine utility infrastructure (gas, electric, and water) planning with roadway planning to avoid separate utility corridors
- Yes P10 Combine and share roads to minimize habitat fragmentation
- Yes P11 Where possible, consolidate pipeline and existing roadways, or roadways that are planned for development
- Yes P12 Place roads to avoid obstructions to migratory routes for wildlife, and to avoid displacement of wildlife from public to private lands.
- Yes P13 Design roads with visual and auditory buffers or screens (e.g., topographic barriers, vegetation, and distance).
- Yes P15 Maximize the use of directional drilling to minimize habitat loss/fragmentation
- Yes P17 Maximize use of remote completion/frac operations to minimize traffic
- Yes P18 Maximize use of remote telemetry for well monitoring to minimize traffic
- Yes P20 Maintain undeveloped areas within development boundaries sufficient to allow wildlife to persist within development boundaries during all phases of construction, drilling, and production.

CONSTRUCTION BMP's

- Yes C2 Structures for perennial or intermittent stream channel crossings should be constructed using appropriately sized bridges or culverts

DRILLING/COMPLETIONS BMP's

- Yes DC1 Use centralized hydraulic fracturing operations.
- Yes DC2 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 DC 3 Conduct well completions with drilling operations to limit the number of rig moves and traffic.

PRODUCTION/RECLAMATION BMP's

- Yes PR4 Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife
- Yes PR5 Williams will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.
- Yes PR6 Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.
- Yes PR7 Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.
- Yes PR8 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 PR10 Install and use locked gates or other means to prevent unauthorized vehicular travel on roads and facility rights-of-way.

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