



## **Valley Farms G Pad Alternatives Analysis (Rule 604.c.(2)E.i)**

Per COGCC rule 604.c.(2)E.i, Ursa evaluated alternatives to determine if the production and UIC facilities are as far from building units as possible. Production and UIC equipment for this location will be placed on the well pad. As such, Ursa evaluated the well pad location/production facilities based on several criteria including topography, pad stability, cuts and fills, road access, access to bottomhole locations, mineral lease and surface use agreements, established transportation haul routes, operational and rig constraints, and interim reclamation options per local and community preferences, setbacks identified in the Section 300 and 600 regulations, community concerns, and environmental concerns based on proximity to sensitive areas. Sensitive areas include state waters, wetlands, floodplains and key wildlife habitat.

The closest residence is approximately 700' southeast of the production equipment. Consideration was given to the tanks being placed in the northeast corner of the pad location. However, given operational constraints, rig footprint, and temporary completions tank placement, it was determined that the tanks should be situated on the south end of the location for both the production tanks and the UIC well. In addition the southwest area of the well pad is on the cut slopes. Therefore, it was determined that no other alternatives are feasible based on the criteria described herein.