

## Site Rationalization for the MLD Horizontal drilling pad and surface facility site

- The MLD Horizontal drilling pad is planned for efficient and economical development of the north half of section 22 4N 68W.
- The proposed pad is situated high and clear of any flood plains.
- This horizontal location is rural and outside of urban mitigation areas.
- An existing oil and gas entrance will be used to minimize impact on additional Town of Berthoud access points.
- Extraction has looked at alternate locations for the wells and facilities including property to the east and south.
- Siting the wells and/or facilities to the south or east was not an option per the land owner due to irrigation complications & future land use, and to minimize disturbance area for agriculture.
- The MLD horizontal well site and facilities are located on land currently occupied by dryland. After interim reclamation, approximately 4.5 acres will be utilized by the wells and surface facilities.
- The new wells are planned to be equidistant from the nearest houses.
- This horizontal site is planned to include 14 horizontal wells and associated facilities.
- This horizontal site is located .1 miles from HYW 56, a major east-west State Route and just under 1 mile west of interstate I-25.
- The MLD wells are planned greater than 200' from the overhead power lines along WCR 7.
- Extraction negotiated a new robust Surface Damage and Release Agreement with the current property owners, the MLD Equities. This SUA covers dust control, truck traffic, truck speeds, culverts, sound abatement and reclamation among other items.
- Extraction is retiring and reclaiming the existing facilities which are near Route 7 and plugging the existing MLD vertical wells located on this property.
- This horizontal pad is situated greater than 500' from all buildings units. Extraction has minimized the affected building unit owners to two (2) within the buffer zone.
- The new surface facilities location honors the stream to the south. Grading too close to naturally low areas can create an unstable pad on which to place the rig and facilities.
- The site topography slopes to the south. Placing all of the facilities west of the wellheads would create a massive cut and fill of approximately 15'-20' and increases storm water mitigation. Placing some of the facilities east of the wellheads minimizes the required dirt work.
- Extraction employees met with the City of Berthoud on 1/11/17 to discuss a Conditional Use Permit, which is required from the city.
- Extraction will add some earthen berms and screening along route 7 on the western edge of the pad during interim reclamation.