



Alternative Location Analysis

Proposed Location: A02-07 Well Pad WR OGD No. 3

Associated Facility: AB35-10 Facility

Development Area: Township 6 North, Range 64 West, 6th P.M.
Sections: 2; 3; 4 E/2E/2
Weld County, Colorado

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 2 S/W4NE/4
Weld County, Colorado

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Alternative Location Analysis for A02-07

Executive Summary

Introduction

Noble Energy, Inc. (“Noble”) believes that the largely rural siting of the A02-07 Pad (the “Well Pad”) is an optimal drilling location for Wells Ranch Oil and Gas Development Plan (“OGDP”) No. 3. Compared to the alternative sites, the location of the Well Pad: (i) maximizes protection of public health, welfare, safety, environment and wildlife, minimizes impacts to the community and the environment in the area of operations (ii) augments operational efficiencies across Noble’s Wells Ranch Comprehensive Drilling Plan (“CDP”), which was approved by the Colorado Oil and Gas Conservation Commission (“COGCC”) on March 25, 2020, pursuant to Order No. 1-241 (“the “Approval Order”). Weld County, the local government with jurisdiction to approve the siting of the proposed oil and gas location, has also approved the location of the Well Pad. The final location was selected after years of careful comprehensive planning, detailed below, and with the input from a wide variety of state and local regulatory agencies¹ and stakeholders². Ultimately, the site was selected based on its efficient placement within a consolidated operational corridor of the Wells Ranch CDP that will mitigate negative impacts to the environment and nearby residents. The limited disadvantages of the location will be safely alleviated through use of technology, (such as pipeline infrastructure, tankless production, closed-loop flowback, advanced drilling fluids) and best management practices (“BMPs”), (such as sound walls, dust and odor suppressants). Importantly, Noble sought surface owner/resident participation and feedback to site and obtained all legally required consents required by COGCC rules. The alternative locations did not offer the same balance of surface owner/resident support, limited surface disturbances, and operational efficiencies that complement Noble’s effort to limit environmental and community impacts through use of the Wells Ranch CDP. In conjunction with the other drilling locations described in this OGDP, the Well Pad will facilitate recovery of resources over portions of five sections of land under the Public Land Survey System (“PLSS”), or approximately 2,720 acres with minimal impacts to the surrounding residents and the environment.

The Well Pad and the alternative locations (“AL”) addressed in this alternative location analysis (“ALA”) are part of Noble’s broader landscape level planning efforts outlined in the Wells Ranch CDP. Landscape level planning calls for strategic and efficient development of all 41,000 acres within the boundaries of the CDP in a way that protects public health, safety, welfare, environment, and wildlife. The Wells Ranch CDP incorporates the requirements of SB19-181 and the ensuing amendments to the Oil and Gas Conservation Act, the Required Director Objective Criteria, COGCC Operator Guidance, and the Objective Criteria Mitigation Measure Toolbox. All these factors have also been considered as part of the ALA included for this OGDP. This ALA document has been modeled after the COGCC Operator Guidance for Rule 304.b.(2). As a result of Noble’s compliance with SB19-181,

¹ Colorado Parks and Wildlife (“CPW”), Colorado Department of Public Health and Environment (“CDPHE”), and Weld County.

² Working interest owners, mineral owners, surface owners, residential building unit owners and occupants, and local first responders.

the Siting Analysis and Master Mitigation Plan attached to the Wells Ranch CDP includes extensive detail regarding standard operating procedures of and mitigations for locations that trigger the 16 Objective Criteria from the Required Director Objective Criteria, the 179 mitigation measures that may be utilized in response to the thirty possible issues raised in the Objective Criteria Mitigation Measure Toolbox. These operating procedures and mitigation measures helped form the basis for BMPs that will be applied to all of Noble's recommended locations. As such, the location of the Well Pad complements the environmental benefits, technological design advancements, and operational efficiencies included in the Wells Ranch CDP

Initial Alternative Location Analysis

Before Noble identified the Well Pad as one of its recommended locations for OGD No. 3, a wide range of other locations were carefully considered during an exhaustive alternative location analysis process. The ALA process is comprised of multiple layers of review. During the initial stage of planning, Noble's Subsurface Planning Team identified the target mineral development area that will allow for the optimal recovery of hydrocarbons. The geology and topography of the target mineral development area dictates the appropriate wellbore orientation, drilling step-outs (the perpendicular distance from the surface hole location to the lateral of the wellbore), back-drills (the distance from the surface hole location before curving the well back for the lateral), and other key operational parameters such as safety protocols.

Once the Subsurface Planning Team identified the target mineral development area and provided the necessary operational parameters, Noble's Surface Land Team conducted a "Desktop Review" process to identify the best surface locations. This process involved use of geographic information system ("GIS") mapping tools (such as State and Weld County GIS tools), informational databases for survey and location data including the COGIS database, property reports, and county title records. Noble considered surface features such as residential building units ("RBUs"), pipelines, water features, traffic routes, access points, infrastructure and utilities, nearby oil and gas developments, current and future land uses, estimated surface disturbance areas, feasibility of limiting surface disturbances, and the ability to recover the target minerals. Noble's efforts to identify RBUs located near potential locations is a multi-step process that relied heavily on data provided by Weld County. Weld County's address point data was used to initially identify any parcels adjacent to the drilling locations that were assigned an address by the county. For each of these parcels, the Weld County Assessor's Property Report was reviewed to determine whether any of the structures on the parcel are RBUs. Noble also conducted field checks as necessary before the locations of RBUs were identified in the GIS systems from Weld County, the State, and Noble. Due to potential delays in processing updates, information from multiple GIS systems and databases were cross-referenced and used to determine how many RBUs fall within the 500- and 2,000-foot buffers of the proposed location as noted in the COGCC's 600 Series Rules.

In addition, Noble evaluated environmental factors such as the Well Pad's proximity to water bodies, wetlands, as well as proximity to wildlife and plant habitats, and seasonal wildlife migrations. The Surface Land Team then utilized the information to identify locations that would minimize impacts to receptors and still allow for technically feasible operations.

Where impacts to receptors could not be eliminated, Noble evaluated possible BMPs and mitigation measures to avoid, minimize or protect the public health, safety, welfare, environment, and wildlife. After a comprehensive analysis of both the subsurface and surface factors, the Subsurface and Surface Planning Teams identified a consolidated number of locations for final consideration.

Well Pad Location within CDP

To ensure consistency with the CDP, Noble must ensure that placement of the preferred location within OGD No. 3 supports the broader development objectives of all twelve related OGDs. This type of comprehensive planning necessitates the use of operational corridors, in which pad and facility locations are geographically aligned the area of operations and maximize access to pipeline and road infrastructure. As a result, the community will benefit from reduced emissions, fewer traffic impacts, and a greater amount of preserved habitat. These impacts are detailed in Noble's Cumulative Impacts Plan, which was included in the approved CDP³ previously approved by the COGCC. To accomplish these goals, each individual drilling and production location within each OGD must be considered in the context of the overall development plan outlined in the CDP and cannot be evaluated as a single stand-alone location. The siting of the Well Pad in OGD No. 3 complements the overall development of OGD No. 3 and the Wells Ranch CDP.

Onsite Review and Contracts/Permitting

Once the Surface Land Team considered the factors outlined above, it focused on a list of potential drilling locations and initiated onsite reviews. Noble undertook comprehensive onsite wildlife and environmental reviews to determine the presence of wildlife habitat and environmental features, such as wetlands, High Priority Habitat ("HPH"), topography, drainage, and vegetation. The onsite reviews supplemented information gathered during the Desktop Review and allowed Noble to incorporate a "boots-on-the-ground" assessment of the environmental features. Noble also surveyed the specific topographical, topsoil, drainage, and stormwater factors that might impact the feasibility of potential locations. Licensed surveyors performed surveys of the location boundaries and identified any improvements that might be needed to facilitate future operations. In addition, traffic routes, access points, and planned easements were evaluated as part of the onsite review. Noble determined the location of private utilities in the area through use of Colorado 811 services. The Surface Land Team solicited the advice of a variety of Noble's internal subject matter experts, including, land, production, construction, the health, environment, and safety group, and flowline installation stakeholders. This wide array of input ensured full consideration of all impacted receptors. Once the supplementary survey and onsite activities were completed, Noble commenced negotiations with landowners located near the site. In most cases, negotiations centered on Surface Use Agreements ("SUA") in which the landowner grants permission for the operator to conduct a prescribed set of activities.

³ See: The Wells Ranch CDP Cumulative Impacts Plan, https://cogcc.state.co.us/documents/library/Special_Projects/Noble_Wells_Ranch_CDP/Cumulative%20Impacts_11-30-21_FINAL.pdf

Surface Stakeholder Consultations & Community Outreach

Throughout the location review process, the Surface Land Team consulted with surface landowners and RBU owners/tenants. After identifying potential drilling locations, Noble met with nearby surface and RBU owners/ understand if the stakeholder was amenable to use of the identified lands for activities associated with the CDP. Noble shared its overall plans for development including, but not limited to, maps, estimated schedules of operations, traffic routes, projected well numbers, tankless design features, the use of pipeline infrastructure in lieu of truck hauling, disturbance size of drill pads and production facilities, and wildlife surveys. Surface owners and RBU owners/tenants had numerous opportunities to raise concerns about the development plans. These concerns were critical in shaping Noble's planning efforts. Noble conducted extensive community outreach efforts to ensure that all surface owners and RBU owners/tenants had numerous opportunities to provide feedback on the proposed locations. Specifically, the Corporate Affairs Team organized two open house events on June 13, 2019, and on May 19, 2022, at the Eaton Area Community Center. The two open house events generated 986 mailed invitations and multiple rounds of follow-up phone calls extending invitations and offering additional opportunities for discussion. In addition to the open house events, Noble representatives contacted surface owners and residents through a combination of call campaigns, mailed notifications, and personal visits. These feedback opportunities supplemented the public comment periods during the COGCC and Weld County application and hearing processes. The Siting Analysis conducted as part of the Wells Ranch CDP also included Landowner Logs which documented Noble's efforts to contact owners, explain the development plans and solicit feedback. Initially, the outreach conducted as part of the Landowner Log process was limited to RBU owners/tenants within 1,500 feet of the Well Pad, but efforts to contact owners was later extended to include owners within 2,000 feet of the Well Pad. During its consultations, Noble provided contact information to allow for further communication. Such information was also provided as part of public notices, development plan mailings, and at community open house events. Consistent with COGCC Rule 604.b and the COGCC Guidance Document on Introduction to Informed Consent, dated March 23, 2021, Noble's outreach efforts also included providing RBU owners/tenants with information and time to allow them to make an informed decision ("Informed Consent") to approve operations within 500 feet of the owner/tenant's RBU.

Due to the largely rural setting of the Wells Ranch OGD No. 3, feedback largely related to agricultural and existing land use accommodations such as irrigation systems, organic certifications, and crop seasons. During ongoing consultations, surface owners and RBU owners/tenants also inquired about the impacts of development on traffic, dust, noise, and light. The Wells Ranch CDP and the proposed locations in OGD No. 3 feature design innovations and BMPs, as discussed in further detail below, that addressed community feedback gathered during the outreach process.

Best Management Practices

For each AL evaluated in this OGD No. 3, Noble devised plans to avoid or mitigate potential impacts of the proposed Well Pad. These plans leveraged technological advancements of facility design and operation and BMPs identified in our application. In the case of the Well Pad, Noble applied technological advancements and BMPs such as: (i) the installation of

sound walls to reduce noise and light effects; (ii) the use of pipelines that obviate the need for truck hauling and thus, reduce traffic and emissions; (iii) the elimination of production tanks and flare stacks, traditionally two of the largest sources of greenhouse gas emissions related to oil and gas development; (iv) the utilization of closed loop flowback technology that produces zero uncontrolled emissions; and (v) the use of odor and dust suppressants to further minimize impacts to residents and communities. BMPs for the Well Pad are detailed in the Form 2A Application pursuant to Rule 304.b.(11). Noble has also submitted site-specific plans drafted pursuant to Rule 304.c. (“Plans”) that further addressed protections necessary to minimize adverse impacts to public health, safety, welfare, the environment, and wildlife. Summaries of the BMPs that will be employed and are consistent with the overall approach that will be used for the CDP. BMPs such as sound walls, dust and odor suppressants, and technologically advanced pipeline takeaway systems that will eliminate production traffic-based activities (oil and water hauling) will be implemented to address feedback received during Noble’s previous community outreach efforts.

Locations Considered

Following Noble’s extensive evaluation of possible drilling locations outlined above, it identified 8 potentially viable sites. The Well Pad and the 7 ALs are shown in the table below with a more detailed summary of each location in the narratives that follow.

Location	Description
Well Pad	Township 6 North, Range 64 West, 6th P.M. Section: 2 S/W4NE/4 Weld County, Colorado
AL 1	Township 7 North, Range 64 West, 6 th P.M. Section: 35 SW/4SW/4 Weld County, Colorado
AL 3	Township 6 North, Range 64 West, 6 th P.M. Section: 4 SE/4NE/4 Weld County, Colorado
AL 4	Township 6 North, Range 64 West, 6 th P.M. Section: 2 NE/4NE/4 Weld County, Colorado
AL 5	Township 6 North, Range 64 West, 6 th P.M. Section: 4 SE/4SE/4 Weld County, Colorado
AL 6	Township 6 North, Range 64 West, 6 th P.M. Section: 4 NE/4NE/4 Weld County, Colorado
AL 7	Township 6 North, Range 64 West, 6 th P.M. Section: 3 SE/4NE/4 Weld County, Colorado
AL 8	Township 6 North, Range 64 West, 6 th P.M. Section: 2 NW/4SE/4 Weld County, Colorado

Proposed Location: A02-07 Well Pad WR OGD No. 3

Associated Facility: AB35-10 Facility

Development Area: Township 6 North, Range 64 West, 6th P.M.
Sections: 2; 3; 4 E/2E/2
Weld County, Colorado

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 2 S/W4NE/4
Weld County, Colorado

Location's setting and potentially impacted receptors: (Land use, density of RBUs, High Occupancy Buidling Units or HOBUs, proximity to urban development, etc.)

The proposed A02-07 well pad location is in flood irrigated crop land and pasture. The surface owner indicated that land surrounding the surrounding the drill site will be used for agricultural production as pasture. The nearest RBU (which is a party to the Surface Use Agreement for the A02-07) is located approximately 690 feet west of the working Pad Surface, as requested by the surface owner and the surface owner has executed a SUA that allows Noble to utilize the lands. In addition, there are seven additional RBUs within 2,000 feet of the proposed surface development. The A02-07 Pad infrastructure will consist of wellheads and associated equipment and hydrocarbons will be transported via a pipeline to the AB35-10 Production Facility, approximately 1.05 miles to the north. The areas of disturbance located closest to the impacted RBUs will be utilized for temporary drilling and completion operations, as well for local government stormwater drainage and topsoil storage. There are no HOBUs or other dense urban development identified within the immediately adjacent proposed development area. The properties immediately adjacent to the proposed development area are either owned by the existing RBUs or will be utilized for agricultural production.

Potential Impacts to health, safety, welfare, wildlife, and the environment: (Proximity to floodplains, wetlands, Surface Water Supply Areas (as defined in Rule 411.a.(1)), wildlife, distance to BUs, BU ownership, right to construct, disproportionately impacted community ("DIC"), current and future land use, etc.)

There are some intermittent streams and associated wetlands within 2,000 feet east of the surface development area. The other identified ponds and ditches are used to irrigate agricultural fields in the area. Per the National Wetlands Inventory (NWI) maps, a seasonally and intermittent wetland area overlaps the Northern edge of the disturbance. Noble contracted SWCA Environmental Consultants to conduct an aquatic resources inventory of the proposed A02-07 Pad location, and that inventory concluded that this area is upland and there were no jurisdictional aquatic features in the vicinity of (defined by USACE) in the pad disturbance. Further, none of Noble's staging, refueling, or chemical storage areas are located within 500 feet of an ordinary high-water mark ("OHWM") associated with any of the identified aquatic features. In addition, the Well Pad will be constructed and operated with design features and BMPs to mitigate the risk of spills and releases that could potentially impact nearby surface waters. These design features and BMPs are detailed in the

mitigation plans submitted with the Form 2A for this location. The site is in HPH for pronghorn. Noble will implement numerous BMPs to limit the potential impact to pronghorn and other wildlife, detailed in the Wildlife Mitigation Plan Noble previously submitted with the Form 2A for this location.

The 8 RBUs within 2,000 feet of the proposed A02-07 Pad may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble will implement BMPs to minimize and mitigate impacts. These measures include use of temporary sound walls located along the northwest, north, east, south, and southwest perimeter of the Well Pad during the pre-production phases of operation to minimize noise and light impacts. All lighting necessary for operations will be directed downwards and inwards. Dust and odor suppressants will be applied as needed. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic will follow designated traffic routes such as unpaved County Road 59. Use of unpaved roads will increase dust impacts to RBUs within 2,000 feet of the proposed A02-07 Pad. Reliance on pipeline infrastructure will eliminate traffic normally associated with hauling hydrocarbons during the production phase. This is an improvement over traditional flowback and production practices. The production phase of operations will occur offsite at the AB35-10 Facility. This approach avoids production associated noise, light, odor, and dust impacts to the RBUs located within 2,000 feet of the A02-07 Pad.

Advantages and disadvantages associated with location: (Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)

Advantages:

The proposed location in the northeast quarter of the section ensures that there would be no disruption or complication to the USDA Certified Organic agricultural field and crops in the south half and northwest quarter of Section 2. The A02-07 Pad would avoid irrigation ditches in the west half of Section 1, east half of Section 3, and east half of Section 4. Finally, the proposed location is not in a DIC and is not in a floodplain.

Additional Advantages:

- Location is approved for development by local government disposition (Weld County) which holds final siting authority
- SUA with the Surface Owner has been executed
- Step-out distance is technically and operationally feasible and allows Noble to access the target minerals
- Conveniently placed for Noble's planned water, oil and gas infrastructure
- Located outside the surrounding certified organic farms

Disadvantages:

The main disadvantage of the location is the proximity of the seven RBUs within 2,000 feet of the proposed disturbance area that are not a party to the SUA. In addition, the A02-07 Pad is in HPH for pronghorn. Noble has proposed numerous BMPs to limit the impact to

Pronghorn and other wildlife in the Wildlife Mitigation Plan submitted with the Form 2A for this location.

Additional Disadvantages:

- Near multiple irrigation ponds and high ground water table
- Noise, dust and light pollution to surrounding RBUs
- Utilizes an unpaved road

Permitting considerations: (Timing of local or federal permits, etc.)

Noble presented an overview of the Wells Ranch CDP at a public meeting on June 13th, 2019, at the Eaton Recreation Center in Eaton, Colorado. The A02-07 Pad location is consistent with what was presented at the public meeting. Noble held a second public meeting on May 19 ,2022, at the Eaton Recreation Center to share the approved CDP development plans and updates related to the Wells Ranch CDP including OGDG No. 1, and the A07-01 Pad. Before the second public meeting, Weld County approved a “Comprehensive Weld County Oil and Gas Location Assessment (“WOGLA”)” for the acreage covered by the CDP, including the land where the proposed A02-07 Pad will be situated. Weld County held its own Weld County held a public hearing regarding the Wells Ranch CDP on December 12th, 2019. In connection with the hearing , Weld County published notification of the event in the Greeley Tribune and additionally sent notice to Surface Owners and RBU occupants. No parties filed for intervention to the Comprehensive WOGLA during the 1041 WOGLA process. Weld County issued the approved Comprehensive WOGLA on January 8th, 2020, after it received input from Weld County planning staff and other stakeholders. Because Weld County has approved and issued a Comprehensive WOGLA covering Noble’s recommended location, Noble is not required to obtain an individual 1041 WOGLA for the site. Consistent with the Comprehensive WOGLA, Noble will submit supplemental site-specific information to Weld County prior to constructing the proposed location, should the COGCC approve the recommended site as part of the OGDG review process.

Tier Classification:

Tier IV-A

This AL references specific AL numbers identified on the attached ALA Map as EXHIBIT B. The ALA Map depicts locations across OGD No. 3. However, not all the numbered locations on the ALA Map have been addressed as potential alternatives for the well Pad. Numbered locations that are not discussed herein will be reviewed as an AL for another proposed drilling site within OGD No. 3. Distances to receptors and cultural and environmental features from the AL are provided in the ALA map and the ALA Data Templates submitted with the Form 2A.

Alternative Location 1 (“AL 1”)

Location Area: Township 7 North, Range 64 West, 6th P.M.
Sections: 35 SW/4SW/4
Weld County, Colorado

Location’s setting and potentially impacted receptors: *(Land use, density of RBUs, High Occupancy Building Units or HOBUs, proximity to urban development, etc.)*

AL 1 is in a pivot irrigated crop field. Future land use surrounding the AL 1 oil and gas location is assumed to consist of continued agricultural production uses. AL 1 would have four RBUs within 2,000 feet of the surface development, including three RBUs within the 500 foot buffer of AL 1. The AL 1 location is designated as USDA Certified Organic field for agricultural production. AL 1 would attempt to utilize a previously plugged and abandoned oil and gas location, being Location ID 306371 (P&A’d 11/16/2016). There are no HOBUs or dense urban developments within close proximity to AL 1.

Potential Impacts to health, safety, welfare, wildlife, and the environment: *(Proximity to floodplains, wetlands, Surface Water Supply Areas, wildlife, distance to BUs, BU ownership, right to construct, DIC, current and future land use, etc.)*

AL 1 is approximately a quarter mile south of two smaller reservoir features. AL 1 is in HPH for pronghorn. Noble has proposed numerous BMPs to limit the impact to pronghorn and other wildlife in the Wildlife Mitigation Plan submitted with the Form 2A for this location.

The 4 RBUs within 2,000 feet of AL 1 may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble would implement BMPs such as temporary sound walls during the pre-production phases of operation to minimize noise and light impacts. Lighting would be directed downwards and inwards. Noble is committed to using Type III drilling fluids to reduce emissions at any location within 500 feet of an RBU. Dust and odor suppressants would be used to minimize associated impacts. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic would utilize paved County Road 74. Traffic normally associated with the production phase for hauling product will be eliminated with the implementation of pipeline infrastructure; thus, avoiding long-term traffic impacts to RBUs. The production phase of operations will occur offsite at the AB35-10 Facility, thereby, avoiding noise, light, odor, and dust impacts to the RBUs within 2,000 feet of AL 1.

AL 1 is outside of the operational corridor designed for OGD No. 3; thus, AL 1 would not benefit from the same level of design features used at the A02-07 Pad such as wellhead.

Location of AL 1 would not develop all the targeted minerals in Sections 2 and 3 of Township 6 North, Range 64 West (specifically, the S/2 of Sections 2 and 3). The step-outs would require an additional pad disturbance to develop the stranded minerals.

Advantages and disadvantages associated with location: (Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)

Advantages:

The main advantage of AL 1 is the overall reduction of RBUs within 2,000 feet as compared to the A02-07 Pad. AL 1 would have four RBUs compared to the eight total identified within 2,000 feet from the A02-07 Pad.

Additional Advantages:

- Outside DIC
- Outside the floodplain

Disadvantages:

The main disadvantage of this location is that the AL 1 surface development is within 500 feet of three RBUs when the A02-07 Pad has zero RBUs within 500 feet. Additionally, AL 1 is in a USDA Certified Organic field, and the farmers could potentially lose their organic certification as a result of non-farming operations on the organic field. In addition, AL 1 would not recover all the targeted minerals in Sections 2 and 3 of Township 6 North, Range 64 West. AL 1 would require an additional pad to access the same minerals as A02-07. Without an additional well pad to supplement AL 1 minerals would remain stranded. This additional well pad would cause approximately 10 additional acres of disturbance and impacts to RBUs and the environment. AL 1 is in HPH.

Additional Disadvantages:

- AL 1 has not received approval from Weld County through the WOGLA process
- No SUA with the surface owner
- Informed consent has not been obtained from the RBUs within 500 feet of AL 1
- High impact to farming and/or grazing operations
- Located on a certified organic farm

Permitting considerations: (Timing of local or federal permits, etc.)

This location has not been approved under the Weld County Comprehensive 1041 WOGLA process for the Wells Ranch CDP and is inconsistent with the holistic approach to developing the CDP lands. Noble would be required to seek and secure additional regulatory approvals from Weld County for this location. Additionally, Noble has not obtained an SUA from the surface owner for this location. Utilizing this location without an executed SUA would require providing a financial assurance surety bond ("bonding-on") under COGCC 700 Series Rules to access the location without the owner's permission.

Conditions or factors that make the location unavailable:

This location is not covered under an SUA for the contemplated development. Any agreements that were in place with the respective surface owner and Noble Energy regarding Location ID 306371 (Dyer-USX AB 35-13) would not cover this new development, and a new SUA would need to be negotiated. The surface owner has other planned uses (certified organic dairy farm) for the surface. AL 1 is outside of the operational corridor planned for OGDG No. 3 requiring another well pad and the associated disturbances to service AL 1.

Tier Classification:

Tier IV-A

Alternative Location 3 (“AL 3”)

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 4 SE/4NE/4
Weld County, Colorado

Location’s setting and potentially impacted receptors: (Land use, density of RBUs, HOBUs, proximity to urban development, etc.)

AL 3 is in a flood irrigated crop field. Future land use surrounding the AL 3 oil and gas location is assumed to be for agricultural production. AL 3 would have seven RBUs within 2,000 feet of the location. There are no HOBUs or dense urban developments within close proximity to AL 3. AL 3 would utilize an existing Location ID 305510, operated by PDC Energy.

Potential Impacts to health, safety, welfare, wildlife, and the environment: (Proximity to floodplains, wetlands, Surface Water Supply Areas, wildlife, distance to BUs, BU ownership, right to construct, DIC, current and future land use, etc.)

An offshoot of the Eaton Ditch channels around the north and west sides of this evaluated location. AL 3 is in HPH for pronghorn. Noble has proposed numerous BMPs to limit the impact to pronghorn and other wildlife in the Wildlife Mitigation Plan submitted with the Form 2A for this location.

The 7 RBUs within 2,000 feet of AL 3 may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble would implement BMPs such as temporary sound walls during the pre-production phases of operation to minimize noise and light impacts. Lighting would be directed downwards and inwards. Dust and odor suppressants would be used to minimize associated impacts. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic would utilize paved County Road 55. Traffic normally associated with the production phase for hauling product will be eliminated with the implementation of pipeline infrastructure; thus, avoiding long-term traffic impacts to RBUs. The production phase of operations will occur offsite at the AB35-10 Facility; thereby, avoiding noise, light, odor, and dust impacts to the RBUs within 2,000 feet of AL 3.

AL 3 is outside of the operational corridor designed for OGD No. 3; thus, AL 3 would not benefit from the same level of design features, used at the A02-07 Pad. Assuming that the AL 3 would produce to the proposed AB35-10 Facility, the length of flowlines required for this to occur will exceed what Noble believes to be the maximum distance (approximately 2.5 miles) for safe and efficient operations. Therefore, an additional standalone production facility may be necessary to service the AL 3 which will result in additional surface disturbance (approximately 6 acres) and would engage more receptors.

Advantages and disadvantages associated with location: (Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)

Advantages:

The main advantage of AL 3 is the potential for the nearest RBU, not a party to the SUA, to be 89 feet farther away compared to the A02-07 Pad.

Additional Advantages:

- Step-out distance is technically and operationally feasible providing Noble with the ability to produce the target minerals
- Outside DIC
- Outside the floodplain
- Uses a paved road

Disadvantages:

The main disadvantage of this location would be the seven RBUs within 2,000 feet AL 3. Additionally, this location would be in closer proximity to the Eaton Ditch offshoot approximately 130 feet away. Noble's inability to consolidate operations within the same OGD area with the AB35-10 Facility results in inefficient infrastructure development. Noble would be forced to construct an additional standalone facility that is not currently included in its proposed OGD No. 3 plans. Such additional construction is not consistent with the plans to adhere to the operational corridor approach, which minimizes overall surface impacts to the area. This additional facility would necessitate an additional surface footprint disturbance of approximately six acres, impacting additional receptors, requiring another location analysis. Finally, AL 3 is located within HPH for pronghorn.

Additional Disadvantages:

- AL 3 has not received approval from Weld County through the WOGLA process
- No SUA with the surface owner for proposed development
- High impact to farming and/or grazing operations
- 130 feet from the Eaton Irrigation Ditch
- Shared locations pose unique disadvantages including, but not limited to:
 - Safety – the presence of multiple operators, employees, and vendors with different goals, procedures, schedules, designs, security, and equipment adds complexity to operations and increases the opportunity for safety incidents
 - Operational Limitations– disparity of operating designs between operators will limit the ability to develop and produce the targeted area
 - Liability – the presence of multiple operators and associated personnel operating under different guidance creates uncertainty of responsibility and liability
 - Scheduling Conflicts – operators work according to their own schedules, deadlines, and obligations, providing the potential for conflict between shared operations
 - Contracts – operators have different lease agreements, supplier contracts, and SUAs that could impair shared access and operations

Permitting considerations: (Timing of local or federal permits, etc.)

This location has not been approved under the Weld County Comprehensive 1041 WOGLA process for the Wells Ranch CDP and is inconsistent with the holistic approach to developing the CDP lands. Noble would be required to seek and secure additional regulatory approvals from Weld County. Noble has not obtained an SUA from the surface owner for this location. Utilizing this location without an executed SUA would require providing a financial assurance surety bond (“bonding-on”) under COGCC 700 Series Rules to access the location without the owner’s permission.

Conditions or factors that make the location unavailable:

This location is not covered under a Surface Use Agreement for Noble’s proposed development. Any agreements that were in place with the respective surface owner and PDC Energy regarding Location ID 305510 (P&A’d 2018) would not cover this new development, and a new SUA would need to be negotiated. Noble and PDC would have to negotiate a site sharing agreement that would allocate access. The complications of shared locations would still exist and will render multiple-operator access impractical. AL 3 is outside of the operational corridor planned for OGD No. 3 requiring an additional facility and the associated disturbances to service AL 3.

Tier Classification:

Tier IV-A

Alternative Location 4 (“AL 4”)

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 2 NE/4NE/4
Weld County, Colorado

Location’s setting and potentially impacted receptors: *(Land use, density of RBUs, HOBUs, proximity to urban development, etc.)*

AL 4 is in a flood irrigated crop field. Future land use surrounding AL 4 assumed to be agricultural production. AL 4 would have ten RBUs within 2,000 feet of the location, including one RBU within the 500-foot buffer. AL 4 would utilize an existing Location ID 305248, operated by PDC Energy for the Cecil #41-2 well. There are no HOBUs or dense urban developments in proximity to AL 4.

Potential Impacts to health, safety, welfare, wildlife, and the environment: *(Proximity to floodplains, wetlands, Surface Water Supply Areas, wildlife, distance to BUs, BU ownership, right to construct, DIC, current and future land use, etc.)*

AL 4 is upgradient of an intermittent stream and associated wetlands in the W/2NW/4 of Section 1, Township 6 North, Range 64 West. AL 4 is in HPH for pronghorn.

The 10 RBUs within 2,000 feet of AL 4 may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble would implement BMPs such as temporary sound walls during the pre-production phases of operation to minimize noise and light impacts. Lighting would be directed downwards and inwards. Dust and odor suppressants would be used to minimize associated impacts. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic would utilize County Road 59. County Road 59 is not a paved road, thus increasing dust impacts to the RBUs within 2,000 of AL 4. Traffic normally associated with the production phase for hauling product will be eliminated with the implementation of pipeline infrastructure, thus, avoiding long-term traffic impacts to RBUs. The production phase of operations will occur offsite at the AB35-10 Facility; thereby, avoiding noise, light, odor, and dust impacts to the RBUs within 2,000 feet of AL 4.

AL 4 is outside of the operational corridor designed for OGD No. 3, thus, AL 4 would not benefit from the same level of design features, as the A02-07 Pad. The step-outs are not technically feasible to develop the south half of Section 2 and 3 of Township 6 North, Range 64 West. The step-outs would require an additional pad disturbance to develop the stranded minerals.

Advantages and disadvantages associated with location: (Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)

Advantages:

Pending approval from PDC Energy, the main advantage of AL 4 would be that the location would utilize an already existing Location ID 305248.

Additional Advantages:

- Outside DIC Outside the floodplain

Disadvantages:

The main disadvantage of this location would be the ten RBUs within 2,000 feet AL 4. In addition, AL 4 is in HPH for pronghorn. An additional well pad is required to develop the same target minerals in the south half of Sections 2 and 3 of Township 6 North, Range 64 West as the A02-07 Pad. Without an additional well pad to supplement AL 4 minerals would remain stranded. This additional well pad would cause approximately 10 acres of additional disturbance and increase impacts to RBUs and the environment.

Additional Disadvantages:

- AL 4 location has not received approval from Weld County through the WOGLA process
- No SUA with the surface owner for proposed development
- Surface owner not interested in pad development
- More RBUs within 2,000 feet of location of AL 4
- Informed consent has not been obtained from the RBUs within 500 feet of AL 4
- Pad location would result in drilling step-outs that are not technically feasible to produce all targeted minerals
- High impact to farming and/or grazing operations
- Shared locations pose unique disadvantages including, but not limited to:
 - Safety – the presence of multiple operators, employees, and vendors with different goals, procedures, schedules, designs, security, and equipment adds complexity to operations and increases the opportunity for safety incidents
 - Operational Limitations – disparity of operating designs between operators will limit the ability to develop and produce the targeted area
 - Liability – the presence of multiple operators and associated personnel operating under different guidance creates uncertainty of responsibility and liability
 - Scheduling Conflicts – operators work according to their own schedules, deadlines, and obligations, which creates the potential for conflict between shared operations. Scheduling conflicts can create delays, extending operations and the duration of impacts to receptors
 - Contracts – operators have different lease agreements, supplier contracts, and SUAs that could impair shared access and operations.

Permitting considerations: (Timing of local or federal permits, etc.)

This location has not been approved under the Weld County Comprehensive 1041 WOGLA process for the Wells Ranch CDP and is inconsistent with the holistic approach to developing the CDP lands. Noble would be required to seek and secure additional regulatory approvals from Weld County. Noble has not obtained an SUA from the surface owner for this location. Utilizing this location without an executed SUA would require providing a financial assurance surety bond (“bonding-on”) under COGCC 700 Series Rules to access the location without the owner’s permission.

Conditions or factors that make the location unavailable:

This location is not covered under a SUA for the contemplated development. Any agreements that were in place with the respective surface owner and PDC Energy regarding Location ID 305248 (Cecil #41-2) would not cover this new development, and a new SUA would need to be negotiated. Noble and PDC would have to negotiate a site sharing agreement that would allocate access. The complications of shared locations would still exist and will render multiple-operator access impractical. Informed consent has not been obtained from RBUs within 500 feet of AL 4. AL 4 is outside of the operational corridor planned for OGD No. 3 requiring an additional well pad and the associated disturbances to service AL 4.

Tier Classification:

Tier IV-A

Alternative Location 5 (“AL 5”)

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 4 SE/4SE/4
Weld County, Colorado

Location’s setting and potentially impacted receptors: *(Land use, density of RBUs, HOBUs, proximity to urban development, etc.)*

AL 5 is in rangeland. Future land use surrounding locational 5 is assumed to continued use for grazing. AL 5 would have ten RBUs within 2,000 feet of the location, including one RBU within the 500-foot buffer.

Potential Impacts to health, safety, welfare, wildlife, and the environment: *(Proximity to floodplains, wetlands, Surface Water Supply Areas, wildlife, distance to BUs, BU ownership, right to construct, DIC, current and future land use, etc.)*

There are no HPHs in AL 5.

The 10 RBUs within 2,000 feet of AL 5 may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble would implement BMPs such as temporary sound walls during the pre-production phases of operation to minimize noise and light impacts. Lighting would be directed downwards and inwards. Dust and odor suppressants would be used to minimize associated impacts. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic would utilize paved County Road 55. Traffic normally associated with the production phase for hauling product will be eliminated with the implementation of pipeline infrastructure; thus, avoiding long-term traffic impacts to RBUs. The production phase of operations will occur offsite; thereby, avoiding noise, light, odor, and dust impacts to the RBUs within 2,000 feet of AL 5.

AL 5 is outside of the operational corridor designed for OGD No. 3, thus, AL 5 would not benefit from the same level of design features as the A02-07 Pad. The step-outs are not technically feasible to develop the north half of Sections 2 and 3 of Township 6 North, Range 64 West. The step-outs would require an additional pad disturbance to develop the stranded minerals in sections 2 and 3 resulting in more impacts to RBUs and the environment.

Advantages and disadvantages associated with location: *(Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)*

Advantages:

This potential location is that it would be completely outside of the Pronghorn Winter Concentration area as identified in the Rule 1202.d. Density Habitat COGCC GIS layer.

Additional Advantages:

Outside DIC

Disadvantages:

The main disadvantage of AL 5 is the location is closer to RBU's within 2,000 feet, including one that is less than 500 feet away. The surface is used as an organic dairy farm. The surface owner is not interested in signing an SUA. Development within the organic farm could jeopardize the organic certification for current and future agricultural production of the organic field in which AL 5 is located. In addition, AL would require an additional well pad (10 acres of disturbance) and a standalone facility (6 acres of disturbance) that is not currently included in its proposed OGDG No. 3 plans. Such additional construction is not consistent with the plans to adhere to the operational corridor approach, which minimizes overall surface impacts to the area. This additional well pad and facility would disturb approximately sixteen additional acres and cause additional impacts to RBUs and the environment.

Additional Disadvantages:

- AL 5 location has not received approval from Weld County through the WOGLA process
- No SUA with the surface owner for proposed development
- Surface owner not interested in pad development
- More RBUs within 2,000 feet of location
- Informed consent has not been obtained from the RBUs within 500 feet of AL 5
- High impact to farming and/or grazing operations

Permitting considerations: (Timing of local or federal permits, etc.)

This location has not been approved under the Weld County Comprehensive 1041 WOGLA process for the Wells Ranch CDP and is inconsistent with the holistic approach to developing the CDP lands. Noble would be required to seek and secure additional regulatory approvals from Weld County. Noble has not procured an SUA from the surface owner for this location. Utilizing this location without an executed SUA would require providing a financial assurance surety bond ("bonding-on") under COGCC 700 Series Rules to access the location without the owner's permission.

Conditions or factors that make the location unavailable:

This location is not covered under a SUA for the contemplated development. The surface owner has other planned uses (certified organic dairy farm) for the surface. Informed consent has not been obtained from RBUs within 500 feet of AL 5. AL 5 is outside of the operational corridor planned for OGDG No. 3 requiring an additional standalone facility and the associated disturbances to service AL 5.

Tier Classification:

Tier IV-A

Alternative Location 6 (“AL 6”)

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 4 NE/4NE/4
Weld County, Colorado

Location’s setting and potentially impacted receptors: *(Land use, density of RBUs, HOBUs, proximity to urban development, etc.)*

AL 6 is on flood irrigated crop land. Future land use surrounding AL 6 is assumed to be continued use for agricultural production. AL 6 would have eight RBUs within 2,000 feet from the location.

Potential Impacts to health, safety, welfare, wildlife, and the environment: *(Proximity to floodplains, wetlands, Surface Water Supply Areas, wildlife, distance to BUs, BU ownership, right to construct, DIC, current and future land use, etc.)*

AL 6 is in HPH for pronghorn. Noble has proposed numerous BMPs to limit the impact to pronghorn and other wildlife in the Wildlife Mitigation Plan submitted with the Form 2A for this location.

The 8 RBUs within 2,000 feet of AL 6 may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble would implement BMPs such as temporary sound walls during the pre-production phases of operation to minimize noise and light impacts. Lighting would be directed downwards and inwards. Dust and odor suppressants would be used to minimize associated impacts. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic would utilize paved County Road 74. Traffic normally associated with the production phase for hauling product will be eliminated with the implementation of pipeline infrastructure; thus, avoiding long-term traffic impacts to RBUs. The production phase of operations will occur offsite at the AB35-10 Facility, thereby, avoiding noise, light, odor, and dust impacts to the RBUs within 2,000 feet of AL 6.

AL 6 is outside of the operational corridor designed for OGD No. 3; thus, AL 6 would not benefit from the same level of design features as the A02-07 Pad. The step-outs are not technically feasible to develop the south half of Sections 2 and 3 of Township 6 North, Range 64 West. The step-outs would require an additional pad disturbance to develop the stranded minerals in sections 2 and 3.

Advantages and disadvantages associated with location: *(Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)*

Advantages:

The main advantage of AL 6 is there no RBUs within 500 feet. Additionally, AL 6 would potentially utilize an existing access from paved Weld County Road 74. AL 6 is also outside of any DIC.

Disadvantages:

The main disadvantage of AL 6 is the location of the surface development would be over 2 miles away from the associated facility and the targeted minerals. The surface is owned by an organic dairy farm operation that is not interested in signing an SUA for surface development. Noble would not want to disrupt or complicate the organic certification for current and future agricultural production of the organic field in which AL 6 is located. Noble's inability to consolidate operations within the same OGD area with the AB35-10 Facility results in inefficient infrastructure development. Specifically, Noble would be forced to construct an additional well pad (10 acres of disturbance) and a standalone facility (6 acres of disturbance) that is not currently included in its proposed OGD No. 3 plans. Such additional construction is not consistent with the plans to adhere to the operational corridor approach, which minimizes overall surface impacts to the area. This additional well pad and facility would necessitate an additional sixteen acres of disturbance and result in additional impacts to RBUs and the environment.

Additional Disadvantages:

- AL 6 location has not received approval from Weld County through the WOGLA process
- No SUA with the surface owner for proposed development
- Surface owner not interested in pad development
- High impact to farming and/or grazing operations

Permitting considerations: (Timing of local or federal permits, etc.)

This location has not been approved under the Weld County Comprehensive 1041 WOGLA process for the Wells Ranch CDP and is inconsistent with the holistic approach to developing the CDP lands. Noble would be required to seek and secure additional regulatory approvals from Weld County for this location. Noble has not procured an SUA from the surface owner for this location. Utilizing this location without an executed SUA would require providing a financial assurance surety bond ("bonding-on") under COGCC 700 Series Rules to access the location without the owner's permission.

Conditions or factors that make the location unavailable:

This location is not covered under a SUA for the contemplated development. The surface owner has other planned uses (certified organic dairy farm) for the surface. AL 6 is outside of the operational corridor planned for OGD No. 3 requiring an additional standalone facility and the associated disturbances to service AL 6.

Tier Classification:

Tier IV-A

Alternative Location 7 (“AL 7”)

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 3 SE/4NE/4
Weld County, Colorado

Location’s setting and potentially impacted receptors: *(Land use, density of RBUs, HOBUs, proximity to urban development, etc.)*

AL 7 straddles an irrigated organic crop field, a dry land crop field, and rangeland. Future land use surrounding AL 7 is assumed to be continued use for grazing and agricultural production. AL 7 would have up to three RBUs within 2,000 feet.

Potential Impacts to health, safety, welfare, wildlife, and the environment: *(Proximity to floodplains, wetlands, Surface Water Supply Areas, wildlife, distance to BUs, BU ownership, right to construct, DIC, current and future land use, etc.)*

AL 7 is in HPH for pronghorn. AL 7 is in a wetland and 158 feet from irrigation structures.

The 3 RBUs within 2,000 feet of AL 7 may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble would implement BMPs such as temporary sound walls during the pre-production phases of operation to minimize noise and light impacts. Lighting would be directed downwards and inwards. Dust and odor suppressants would be used to minimize associated impacts. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic would utilize County Roads 57. County Road 57 is not a paved road, thus increasing dust impacts to the RBUs within 2,000 of AL 7. Traffic normally associated with the production phase for hauling product will be eliminated with the implementation of pipeline infrastructure; thus, avoiding long-term traffic impacts to RBUs. The production phase of operations will occur offsite at the AB35-10 Facility; thereby, avoiding noise, light, odor, and dust impacts to the RBUs within 2,000 feet of AL 7.

AL 7 is outside of the operational corridor designed for OGD No. 3, thus, AL 7 would not benefit from the same level of design features as the A02-07 Pad. It is not technically feasible to develop all of Sections 2 and 3 of Township 6 North, Range 64 West with two-mile-long laterals with one mile back drills. Thus, either a much larger well pad with twice the number of wells or an additional well pad is required to develop the same target minerals as the A02-07 Pad.

Advantages and disadvantages associated with location: *(Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)*

Advantages:

The main advantage of AL 7 is there are no RBUs within 500 feet. Additionally, AL 7 would potentially utilize an already existing access from WCR 57. AL 7 is also outside of any DIC.

Disadvantages:

The main disadvantage of this location is the greater than 1-mile distance between the potential surface development and the target minerals. Back-drill distances are technically and operationally not acceptable from a drilling and completion risk standpoint, requiring either a larger footprint with twice as many wells or an additional well pad to produce the same target minerals as the A02-07 Pad. The surface is owned by an organic dairy farm operation that is not interested in signing an SUA for surface development. Noble would not want to disrupt or complicate the organic certification for current and future agricultural production of the organic field in which AL 7 is located. AL 7 is also sensitive for water resources due to being within a palustrine, emergent, persistent, seasonally flooded (PEM1C) wetland and being 158 feet from irrigation structures.

Additional Disadvantages:

- AL 7 location has not received approval from Weld County through the WOGLA process
- No SUA with the surface owner for proposed development
- Surface owner not interested in pad development
- High impact to farming and/or grazing operations

Permitting considerations: (Timing of local or federal permits, etc.)

This location has not been approved under the Weld County Comprehensive 1041 WOGLA process for the Wells Ranch CDP and is inconsistent with the holistic approach to developing the CDP lands. Noble would be required to seek and secure additional regulatory approvals from Weld County for this location. Noble has not obtained an SUA from the surface owner for this location. Utilizing this location without an executed SUA would require providing a financial assurance surety bond (“bonding-on”) under COGCC 700 Series Rules to access the location without the owner’s permission.

Conditions or factors that make the location unavailable:

This location is not covered under a SUA for the contemplated development. The surface owner has other planned uses (certified organic dairy farm) for the surface. AL 7 is outside of the operational corridor planned for OGD No. 3 requiring a larger well pad, additional wells, or an additional well pad and the associated disturbances to service AL 7.

Tier Classification:

Tier IV-A

Alternative Location 8 (“AL 8”)

Location Area: Township 6 North, Range 64 West, 6th P.M.
Section: 2 NW/4SE/4
Weld County, Colorado

Location’s setting and potentially impacted receptors: *(Land use, density of RBUs, HOBUs, proximity to urban development, etc.)*

AL 8 is in a pivot irrigated organic crop field. Future land use surrounding AL 8 is assumed to be continued use for agricultural production. AL 8 would have up to nine RBUs within 2,000.

Potential Impacts to health, safety, welfare, wildlife, and the environment: *(Proximity to floodplains, wetlands, Surface Water Supply Areas, wildlife, distance to BUs, BU ownership, right to construct, DIC, current and future land use, etc.)*

AL 8 is in HPH for pronghorn.

The 9 RBUs within 2,000 feet of AL 8 may experience noise, odor, dust, light, and traffic during construction, drilling, and completion operations. Noble would implement BMPs such as temporary sound walls during the pre-production phases of operation to minimize noise and light impacts. Lighting would be directed downwards and inwards. Dust and odor suppressants would be used to minimize associated impacts. Noble intends to utilize electric or natural gas-powered drill rigs to further mitigate and minimize noise impacts. Pre-production phase traffic would utilize County Road 59. County Road 59 is not a paved road, thus increasing dust impacts to the RBUs within 2,000 of AL 8. Traffic normally associated with the production phase for hauling product will be eliminated with the implementation of pipeline infrastructure; thus, avoiding long-term traffic impacts to RBUs. The production phase of operations will occur offsite at the AB35-10 Facility; thereby, avoiding noise, light, odor, and dust impacts to the RBUs within 2,000 feet of AL 8.

Advantages and disadvantages associated with location: *(Consolidate operations, facilities, infrastructure, equipment requirements, access points, roads, routes and transportation, distance to municipal boundaries, local government planning, etc.)*

Advantages:

The main advantage of this location is there would be no RBUs within 500 feet from AL 8. AL 8 is outside of any DIC.

Disadvantages:

The main disadvantage of AL 8 is that the surface is owned by an organic dairy farm operation. In addition, AL 8 is in HPH for pronghorn. There are nine RBUs within 2,000 feet AL 8, which is three more than the proposed A02-07 Pad.

Additional Disadvantages:

- AL 8 location has not received approval from Weld County through the WOGLA process
- No SUA with the surface owner for proposed development
- More RBUs within 2,000 feet of location
- Surface owner not interested in pad development
- High impact to farming and/or grazing operations

Permitting considerations: *(Timing of local or federal permits, etc.)*

This location has not been approved under the Weld County Comprehensive 1041 WOGLA process for the Wells Ranch CDP. Noble would be required to seek and secure additional regulatory approvals from Weld County for this location. Noble has not obtained an SUA from the surface owner for this location. Utilizing this location without an executed SUA would require providing a financial assurance surety bond (“bonding-on”) under COGCC 700 Series Rules to access the location without the owner’s permission.

Conditions or factors that make the location unavailable:

This location is not covered under a SUA for the contemplated development. The surface owner has other planned uses (certified organic dairy farm) for the surface.

Tier Classification:

Tier IV-A

Summary

Preferred Location A02-07 Well Pad

Noble's preferred drilling location will allow for efficient development of the targeted resources within the operational corridors of the CDP and maximize protection of public health, safety, welfare, environment, and wildlife. The proposed site supports an operational corridor development strategy that allows for cumulative impact savings in emissions and traffic due to the use of pipeline takeaway for oil, gas, and water. Reliance on the pipeline eliminates production truck traffic and associated emissions. Pipeline infrastructure may not be available for alternative locations that require additional flowlines and the corresponding SUAs and rights-of-way granting access for installation of those flowlines and similar limitations may occur with respect to Noble's ability to enable, technological design solutions such as tankless production, elimination of flare stacks, and a closed loop system. The BMPs detailed in the Form 2A applications and attached to this ALA, will significantly reduce potential impacts that might result from oil and gas operations at the Well Pad.

The preferred location was selected following an extensive review of operational parameters to minimize and consolidate locations and the associated disturbances while allowing for targeted mineral recovery and surface features; and through consultations with surface owner and RBU owners/residents. In addition, the Well Pad complements the overall planning of the Wells Ranch CDP and facilitates economies of scale in the form of project-wide infrastructure, design efficiencies of location consolidation, and and innovations on a broad scope featuring technological advancements to reduce emissions and impacts to public health, safety, welfare, environment, and wildlife.

Advantages of the Well Pad include avoidance of organic farming operations and any potential interruption to organic certification. From a permitting standpoint, the preferred location has been approved by local government with jurisdiction to approve the siting of the proposed oil and gas location (Weld County) and is therefore consistent with the holistic approach to developing CDP lands. Noble would not be required to obtain any additional approval from Weld County for this location. The Well Pad location is subject to an executed SUA that covers the scope of operations; thus, Noble would not need to bond-on to the property to gain access.

Noble's preferred site for the Well Pad is located along County Road 59 within an operational corridor for OGD No. 3 that also includes one other proposed location. Due to their relative proximity, these pads will be tied to a single AB35-10 Production Facility that will allow for consolidated recovery of resources. The consolidated footprint of the Well Pad and other proposed locations in OGD No. 3 eliminates the need for additional well pads or production facilities that might otherwise be required with the selection of other ALs. Together, the Well Pad and other proposed locations in OGD No. 3 will contribute to the plugging and abandonment of 48 existing wells. This abandonment program will eliminate an estimated disturbance area of 72 acres. By comparison, OGD No. 3 only impacts 13 acres after accounting for interim reclamation. In sum, the location of the Well Pad will result in a 59-acre net recovery of lands that benefits wildlife habitat and land use restoration. Use of an operational corridor and the ability to consolidate Noble's footprint maximizes the amount of land recovery. Alternative sites may lead to the plugging and abandoning of the same

number of wells, but they necessitate additional pads or facilities to recover the targeted minerals and would increase disturbances and lessen the net recovery of lands.

The primary disadvantage of Noble's preferred location is its proximity to eight RBUs within 2,000 feet of the proposed location. However, all RBU owners/tenants had ample opportunity to comment on Noble's development plans. All surface owners/tenants were mailed invitations to attend both public meetings held at the Eaton Recreation Center on June 13th, 2019, and on May 19th, 2022. Noble also followed-up with calls to invite surface owners/tenants and to provide the opportunity for owners/tenants to request additional information or discussion. The public meetings featured information, maps, and discussion on Noble's development plans within the Wells Ranch CDP, including OGD No. 3, and the A02-07 location. As mentioned above, the Siting Analysis conducted as part of the Wells Ranch CDP included Landowner Logs which documented Noble's efforts to contact owners within 1,500 feet of a proposed location, explain the development plans, and solicit feedback. These efforts were later extended to owners/tenants within 2,000 feet of the Well Pad. Information about the Wells Ranch CDP development plans and the proposed locations were also part of public notices and development plan mailings. Not a single substantive complaint was submitted by the impacted residents. The proposed location has been public and available for consultation with RBU owners/tenants for over three years. Another disadvantage of the A02-07 Pad is its location HPH for pronghorn. Noble has proposed numerous BMPs to limit the impact to Pronghorn and other wildlife in the Wildlife Mitigation Plan submitted with the Form 2A for this location.

Summary AL 1

AL 1 would have fewer RBUs within 2,000 feet than the A02-07 Pad; however, depending on surface owner preference and siting collaboration three RBUs would be within 500 feet of AL 1 compared to zero within the same distance of the A02-07 Pad. Informed Consent has not been obtained from the RBUs within 500 feet of AL 1. Additionally, AL 1 would be located within an organic field which could potentially contribute to the loss of organic certification. The surface owner intends to use the field for organic farming and is unwilling to sign an SUA. The AL 1 is a previously reclaimed site that would require new disturbance. AL 1 is also located in HPH for pronghorn. The additional well pad necessary to recover the same targeted minerals as the A02-07 Pad would increase surface disturbance, add impacted receptors, and require approximately 10 acres of additional surface disturbance for the extra pad. Noble's broader development goal within the Wells Ranch CDP is to conduct operations efficiently and to minimize surface impacts, which can be achieved by consolidating operations and producing multiple well pads to centralized facilities as with the A02-07 Pad. AL 1 does not have the same Weld County WOGLA approval that has been granted for the A02-07 Pad. Thus, the A02-07 was selected for development over the AL 1.

Summary AL 3

Depending on surface owner preference and siting collaboration AL 3 would have an equivalent number of RBUs within 2,000 feet as the A02-07 Pad. AL 3 is located in HPH for pronghorn. AL 3 would require an additional standalone facility to support development of the target minerals. The additional standalone facility would increase surface disturbance,

add impacted receptors, and require approximately 6 acres of additional surface disturbance for the extra facility. AL 3 would not support Noble's overall concept for the Comprehensive Drilling Plan which is to greatly minimize surface impacts by consolidating operations and producing multiple well pads to centralized facilities. AL 3 does not have the same Weld County WOGLA approval that has been granted for the A02-07 Pad. Ultimately, the added benefit of consolidating locations by producing the A02-07 Pad at the AB35-10 Facility makes for a more prudent use of surface than creating a separate facility with additional surface footprint and the potential for more receptors, as required to use AL 3. For these reasons, A02-07 was selected over AL 3.

Summary AL 4

AL 4 would have more RBUs within 2,000 feet than the A02-07 Pad, including one RBU within 500 feet. Informed Consent has not been obtained from the RBU within 500 feet of AL 4. AL 4 is also located in HPH for pronghorn. AL 4 requires an additional well pad to recover the same targeted minerals as the A02-07 Pad, and therefore, would increase surface disturbance by approximately 10 acres. Noble's broader development goals within the Wells Ranch CDP is to conduct operations efficiently and to minimize surface impacts, which can be achieved by consolidating operations and producing multiple well pads to centralized facilities as with the A02-07 Pad. AL 4 does not have the same Weld County WOGLA approval that has been granted for the A02-07 Pad. Thus, the A02-07 was selected for development over AL 4.

Summary AL 5

AL 5 would have more RBUs within 2,000 feet than the A02-07 Pad. Informed Consent has not been obtained from the RBU within 500 feet of AL 5. AL 5 is not located in Pronghorn Winter Concentration HPH. However, AL 5 would be located within an organic field which could potentially contribute to the loss of organic certification. The surface owner intends to use the field for organic farming and is unwilling to sign an SUA. The additional standalone facility necessary to recover the same targeted minerals as the A02-07 Pad would increase surface disturbance, add impacted receptors, and require approximately 6 acres of additional surface disturbance for the extra facility. The additional well pad needed to fully develop the target minerals would require approximately 10 acres of additional surface disturbance. Noble's broader development goals within the Wells Ranch CDP is to conduct operations efficiently and to minimize surface impacts, which can be achieved by consolidating operations and producing multiple well pads to centralized facilities as with the A02-07 Pad. AL 5 does not have the same Weld County WOGLA approval that has been granted for the A02-07 Pad. Thus, the A02-07 was selected for development over AL 5.

Summary AL 6

Depending on surface owner preference and siting collaboration AL 6 would have an equivalent number of RBUs within 2,000 feet as the A02-07 Pad. AL 6 would be located within an organic field which could potentially contribute to the loss of organic certification. The surface owner intends to use the field for organic farming and is unwilling to sign an SUA. AL 6 is also located in HPH for pronghorn. AL 6 would require an additional well pad and standalone facility which would increase surface disturbance, add impacted receptors,

and require approximately 6 acres of additional surface disturbance for the extra facility. The additional well pad and facility would cause approximately 10 acres of additional surface disturbance. Noble's broader development goals within the Wells Ranch CDP is to conduct operations efficiently and to minimize surface impacts, which can be achieved by consolidating operations and producing multiple well pads to centralized facilities as with the A02-07 Pad. AL 6 does not have the same Weld County WOGLA approval that has been granted for the A02-07 Pad. Thus, the A02-07 was selected for development over AL 6.

Summary AL 7

AL 7 would have fewer RBUs within 2,000 feet than the A02-07 Pad. AL 7 would be located within an organic field which could potentially contribute to the loss of organic certification. The surface owner intends to use the field for organic farming and is unwilling to sign an SUA. AL 7 is also located in Pronghorn Winter Concentration HPH. The larger well pad or additional well pad necessary to recover the same targeted minerals as the A02-07 Pad would cause approximately 5-10 acres of additional surface disturbance and add impacted receptors. Noble's broader development goals within the Wells Ranch CDP is to conduct operations efficiently and to minimize surface impacts, which can be achieved by consolidating operations and producing multiple well pads to centralized facilities as with the A02-07 Pad. AL 7 does not have the same Weld County WOGLA approval that has been granted for the A02-07 Pad. Thus, the A02-07 was selected for development over AL 7.

Summary AL 8

AL 8 would have more RBUs within 2,000 feet than the A02-07 Pad. AL 8 is in HPH for pronghorn. AL 8 is located within an organic dairy farm which could potentially contribute to the loss of organic certification. The surface owner intends to use the field for organic farming and is unwilling to sign an SUA. AL 8 does not have the same Weld County WOGLA approval that has been granted for the A02-07 Pad. Thus, the A02-07 was selected for development over AL 8.

Final Selection of Well Pad Location

At the end of the evaluation process, Noble selected the well location that balances all the various factors mandated by applicable law, impacts to public health, safety, welfare, the environment, and wildlife, and operational constraints. The A02-07 Pad represents the most suitable location for oil and gas operations because it allows for a consolidated operational corridor development in a manner that minimizes impacts and surface disturbances while developing the target resources consistent with the CDP's comprehensive planning objectives. Many of the other ALs within this ALA did not provide the same level of consolidated operations and impact minimizations requiring additional well pads, facilities, and flowline disturbances resulting in increased impacts to more receptors. The A02-07 pad also does not jeopardize organic farming operations or other farming consideration as with other alternatives. The limited disadvantages associated with the recommended location can be mitigated through the use of technology (such as pipeline infrastructure, tankless production, closed-loop flowback, advanced drilling fluids) and BMPs (such as sound walls, dust and odor suppressants) to mitigate and minimize impacts.

EXHIBIT A

Pre-Production Phase BMPs

	Avoid	Minimize	Mitigate
Emissions	<ul style="list-style-type: none"> • Electrify rig, when possible, or utilize natural gas • Eliminate truck traffic via use of pipelines • Advanced flowback design • P&A legacy wells and decommission legacy facilities • Eliminate tanks • Utilize Instrument Air for pneumatics • Use low BTEX drilling fluids and odor neutralizer - use Type III fluids within 500' of RBU 	<ul style="list-style-type: none"> • Reduce activities during high ozone days 	<ul style="list-style-type: none"> • Utilize flares when necessary
Light	<ul style="list-style-type: none"> • Eliminate lighting not needed while maintaining site safety • Eliminate truck traffic via use of pipelines • When possible, schedule activities to occur during daylight hours 	<ul style="list-style-type: none"> • Direct light inward & downward • Use fixtures that reduce light intensity and glare • Utilize switches, timers, or motion sensors where possible 	<ul style="list-style-type: none"> • Use sound walls where appropriate • Provide training for site personnel to raise awareness of light issues and solutions • Respond promptly to complaints
Odor	<ul style="list-style-type: none"> • Use low BTEX drilling fluids and odor neutralizer - use Type III fluids within 500' of RBU • Advanced flowback design • Eliminate tanks • Eliminate truck traffic via use of pipelines • P&A legacy wells and decommission legacy facilities • Electrify rig, when possible, or utilize natural gas 	<ul style="list-style-type: none"> • Cover or screen odor-producing materials • Minimize residual oil on cuttings and promptly transport cuttings • Prohibit truck idling 	<ul style="list-style-type: none"> • Conduct regular odor surveillance • Provide training for site personnel to raise awareness of odor issues and solutions • Respond promptly to complaints
Noise	<ul style="list-style-type: none"> • Electrify rig, when possible, or utilize natural gas • Eliminate truck traffic via use of pipelines 	<ul style="list-style-type: none"> • Orient equipment to direct noise away from RBUs • Maintain equipment properly • Minimize traffic/engine brakes • Utilize quiet frac fleet 	<ul style="list-style-type: none"> • Use sound walls where appropriate • Conduct continuous monitoring to identify noise sources • Provide training for site personnel to raise awareness of noise issues and solutions • Respond promptly to complaints
Traffic/Dust	<ul style="list-style-type: none"> • Eliminate truck traffic via use of pipelines • Limit construction activity on high-wind days 	<ul style="list-style-type: none"> • Utilize dust suppressants • Promptly stabilize soil stockpiles/disturbed areas • Place road base on access roads and pads • Lower speed limits 	<ul style="list-style-type: none"> • Coordinate public road maintenance with Weld County • Install wind breaks or other measures as needed • Respond promptly to complaints
Visual	<ul style="list-style-type: none"> • Eliminate tanks and other equipment on well pads • P&A legacy wells and decommission legacy facilities 	<ul style="list-style-type: none"> • Housekeeping to keep locations free of trash and debris 	<ul style="list-style-type: none"> • Paint equipment with color that blends with background



Production Phase BMPs

	Avoid	Minimize	Mitigate
Emissions	<ul style="list-style-type: none"> • Electrify production facility • Implement LDAR program • Eliminate truck traffic via use of pipelines • P&A legacy wells and decommission legacy facilities • Eliminate tanks • Utilize IA for pneumatics 	<ul style="list-style-type: none"> • Use most current EcoNode design • Utilize ECDs, LACT and other technology to reduce emissions • Reduce activities during high ozone days • Repair leaks promptly 	<ul style="list-style-type: none"> •
Light	<ul style="list-style-type: none"> • Eliminate lighting not needed while maintaining site safety • Eliminate truck traffic via use of pipelines • When possible, schedule activities to occur during daylight hours 	<ul style="list-style-type: none"> • Direct light inward & downward • Use fixtures that reduce light intensity and glare • Utilize switches, timers, or motion sensors where possible 	<ul style="list-style-type: none"> • Provide training for site personnel to raise awareness of light issues and solutions • Respond promptly to complaints
Odor	<ul style="list-style-type: none"> • Electrify production facility • Implement LDAR program • Eliminate tanks • Eliminate truck traffic via use of pipelines • P&A legacy wells and decommission legacy facilities 	<ul style="list-style-type: none"> • Use most current EcoNode design • Utilize ECDs, LACT and other technology to reduce emissions • Prohibit truck idling • Repair leaks promptly 	<ul style="list-style-type: none"> • Conduct regular odor surveillance • Provide training for site personnel to raise awareness of odor issues and solutions • Respond promptly to complaints
Noise	<ul style="list-style-type: none"> • Electrify production facility • Eliminate truck traffic via use of pipelines 	<ul style="list-style-type: none"> • Orient equipment to direct noise away from RBUs • Maintain equipment properly • Minimize traffic/engine brakes 	<ul style="list-style-type: none"> • Use sound walls where appropriate • Conduct monitoring to identify noise sources, as necessary • Provide training for site personnel to raise awareness of noise issues and solutions • Respond promptly to complaints
Traffic/Dust	<ul style="list-style-type: none"> • Eliminate truck traffic via use of pipelines 	<ul style="list-style-type: none"> • Utilize dust suppressants • Place road base on access roads and surface of production facility • Lower speed limits 	<ul style="list-style-type: none"> • Coordinate public road maintenance with Weld County • Install wind breaks or other measures as needed • Respond promptly to complaints
Visual	<ul style="list-style-type: none"> • Eliminate tanks and other equipment on well pads • P&A legacy wells and decommission legacy facilities 	<ul style="list-style-type: none"> • Utilize gas lift to eliminate/delay need for more obtrusive artificial lift (e.g., pumpjacks) • Housekeeping to keep locations free of trash and debris 	<ul style="list-style-type: none"> • Paint equipment with color that blends with background



CDPHE Recommended Air BMPs	Chevron Response
Operator will implement ambient air quality monitoring on site	Yes
Operator will appropriately time activities associated with high emissions to reduce the potential for exposure (e.g. if development is occurring near a high occupancy building unit, such as a school, then hydraulic fracturing, flowback or hydrocarbon liquids loadout will only occur when school is not in session)	N/A - no schools, high-occupancy building units, etc. near these locations
Operator will properly maintain vehicles and equipment	Yes
Operator will use non-emitting pneumatic controllers	Yes, with the exception of 1 single intermittent bleed plunger lift control valve on each wellhead
Electrification: Operator will use electric drilling rigs	If utility is able to provide necessary electrical power and based on other considerations (e.g., surface-owner approval), electrification is Noble's goal and currently negotiating with utilities.
Electrification: Operator will use electric pumps for hydraulic fracturing	Utility backbone that services these locations is not strong enough to support the significant load that electric pumps entail. We will however be using Dual Fuel Diesel/Natural gas during frac.
Electrification: Operator will use electric equipment and devices (e.g. vapor recovery units or VRUs, fans, etc.) to minimize combustion sources on site (if yes, operator will provide a list outlining which equipment and devices will be electrified)	If utility is able to provide necessary electrical power and based on other considerations (e.g., surface-owner approval), electrification is Noble's goal
Tankless design: Operator will not store produced water or hydrocarbon liquids in storage tanks on site (other than a maintenance tank possibly used for well unloading or other maintenance activities)	Yes
Operator will implement a "hybrid production flowback method" or "modern production flowback method" (unlike the conventional or legacy flowback method, which uses temporary equipment to separate the oil, natural gas and water, the "hybrid-production flowback method" or "modern production flowback method" eliminates tanks by routing the oil, natural gas and water directly to permanent production equipment)	Yes
Venting/Flaring: Operator will not flare or vent gas during completion or flowback, except in upset or emergency conditions, or with prior written approval from the Director for necessary maintenance operations	Yes
Venting/Flaring: Operator will control emergency flaring with an enclosed combustor with a destruction efficiency of 98% or better	Yes
Venting/Flaring: Operator will control bradenhead/casinghead venting	Yes
Pipelines: Operator will use pipelines to transport water for hydraulic fracturing to and from location	Yes
Pipelines: Operator will have adequate and committed pipeline take away capacity for all produced gas and oil	Yes
Pipelines: Operator will shut in the facility to reduce the need for flaring if the pipeline is unavailable	Yes
Pipelines: Operator will incorporate options for recycling produced gas onsite during pipeline downtime, such as: using the gas for gas lift systems, routing it to the facility fuel system, or installing a natural gas liquid (NGL) skid to process the gas onsite	Yes
Engines: Operator will use tier IV or better engines for drilling	Yes, when possible.
Engines: Operator will use tier IV or better engines for hydraulic fracturing	Yes, when possible.
Engines: Operator will use tier IV or better engines for nonroad construction equipment	Yes, when possible. Noble has agreed that pump trucks used during hydraulic fracturing will be Tier IV/dual fuel.



CDPHE Recommended Air BMPs	Chevron Response
Engines: Operator will use tier IV or better engines for fleets accessing site (service vehicles, sand delivery, haul, produced water, etc.)	Yes, when possible.
Operator will use vapor recovery units (VRUs) to capture and route storage vessel gas to pipeline	Yes
Operator will use zero-emission desiccant dehydrators or 98% control of hydrocarbon emissions from glycol dehydrators	Yes
Operator will use compressors equipped with dry seals	Yes
Operator will collect emissions from rod packing on reciprocating compressors and rout them through a closed vent system to a process or emissions control device	No. Rod packing is replaced on all reciprocating compressors on a 3-year or 26,000 hour interval.
Operator will use lease automated custody transfer (LACT) system to remove/reduce the need for truck loadout	Yes
Odor mitigation: operator will use group III drilling mud	Implement Type III drilling fluids when operating within 500' of an occupied RBU, in all other instances review the use of D822 base fluid paired with odor neutralizer as an alternative mitigation. Please see https://www.benzaco.com/solutions_direct for information on the type of compound Noble is utilizing
Odor mitigation: operator will use a chiller to cool drilling fluid as it is piped through the recirculation system before routing to the suction tanks	No, Chillers are primarily used high pressure/high temperature ("HPHT") environments during drilling operations to cool mud and protect tools. The Wells Ranch CDP is not located in HPHT environment and the additional energy and associated emissions required to power chillers does not support the use of chillers and any unconfirmed benefits to potential receptors.
Odor mitigation: operator will cover trucks transporting drill cuttings	Yes
Odor mitigation: operator will use a squeegee or other device to remove drilling fluids from pipes as they exit the wellbore	Yes
Odor mitigation: Operator will ensure that all drilling fluid is removed from pipes before storage	Yes
Ozone mitigation on forecasted high ozone days: operator will eliminate use of VOC paints and solvents	In the event of an ozone action alert, Noble sends notifications company wide, instructing employees that activities such as refueling, vehicle idling, driving, painting, venting and flaring should be delayed or minimized, if they are not considered essential or critical to safe operations. Those actives are either rescheduled to non-ozone days or performed In the early hours of the day or later In the evening.
Ozone mitigation on forecasted high ozone days: operator will minimize vehicle and engine idling	
Ozone mitigation on forecasted high ozone days: operator will reduce truck traffic and worker traffic	
Ozone mitigation on forecasted high ozone days: operator will postpone the refueling of vehicles	
Ozone mitigation on forecasted high ozone days: operator will suspend or delay the use of fossil fuel powered ancillary equipment	
Ozone mitigation on forecasted high ozone days: operator will postpone construction activities	
Ozone mitigation on forecasted high ozone days: operator will reschedule non-essential operational activities such as pigging, well unloading and tank cleaning	Yes
Ozone mitigation on forecasted high ozone days: Operator will postpone flowback if emissions cannot be adequately captured with a vapor recovery unit (VRU)	



CDPHE Recommended Water BMPs	Chevron Response
Stormwater inspections: Operator will conduct stormwater inspections immediately after storm event	Yes
Stormwater inspections: Operator will conduct weekly stormwater inspections during normal operations	Yes
Operator will use Modular Large Volume Storage Tanks	Yes
Secondary containment: Operator will install perimeter controls to control potential sediment-laden runoff in the event of spill or release from Modular Large Volume Storage Tank	Yes
Operator will recycle or beneficially reuse flowback and produced water for use downhole	Yes, to the extent possible
Vehicle fueling: Operator will refuel vehicles only on impervious surfaces and never during storm events	Yes
Vehicle fueling: Operator will ensure that a fueling contractor is present during the entire fueling process to prevent overfilling, leaks and drips from improper connections	Yes
Dust suppression: Operator will not use produced water or other process fluids for dust suppression	Yes
CPGCC permit will incorporate other agency water quality protection plans by reference as applicable (e.g. stormwater management plan)	Yes
Down gradient controls: Operator will install adequate down gradient controls if they can not have a control at the source	Yes
Outfall locations: Outlet protection should be used when a conveyance discharges onto a disturbed area where there is potential for accelerated erosion due to concentrated flow. Outlet protection should be provided where the velocity at the culvert outlet exceeds the maximum permissible velocity of the material in the receiving channel.	Yes
Stream crossing and Road Construction: Operator will ensure that control measures are designed, installed and adequately sized in accordance with good engineering, hydrologic and pollution control practices	Yes
Documentation / stormwater management plan: If it is infeasible to install or repair a control measure immediately after discovering a deficiency, operator will document and keep on record in the stormwater management plan: (a) a description of why it is infeasible to initiate the installation or repair immediately; and (b) a schedule for installing or repairing the control measure and returning it to an effective operating condition as soon as possible.	Yes

CDPHE Recommended Waste BMPs	Chevron Response
Operator will properly characterize and dispose of all waste (i.e. the specific landfill/waste disposal location allows for acceptance of the waste stream)	Yes
Operator will properly test for and dispose of TENORM	Yes

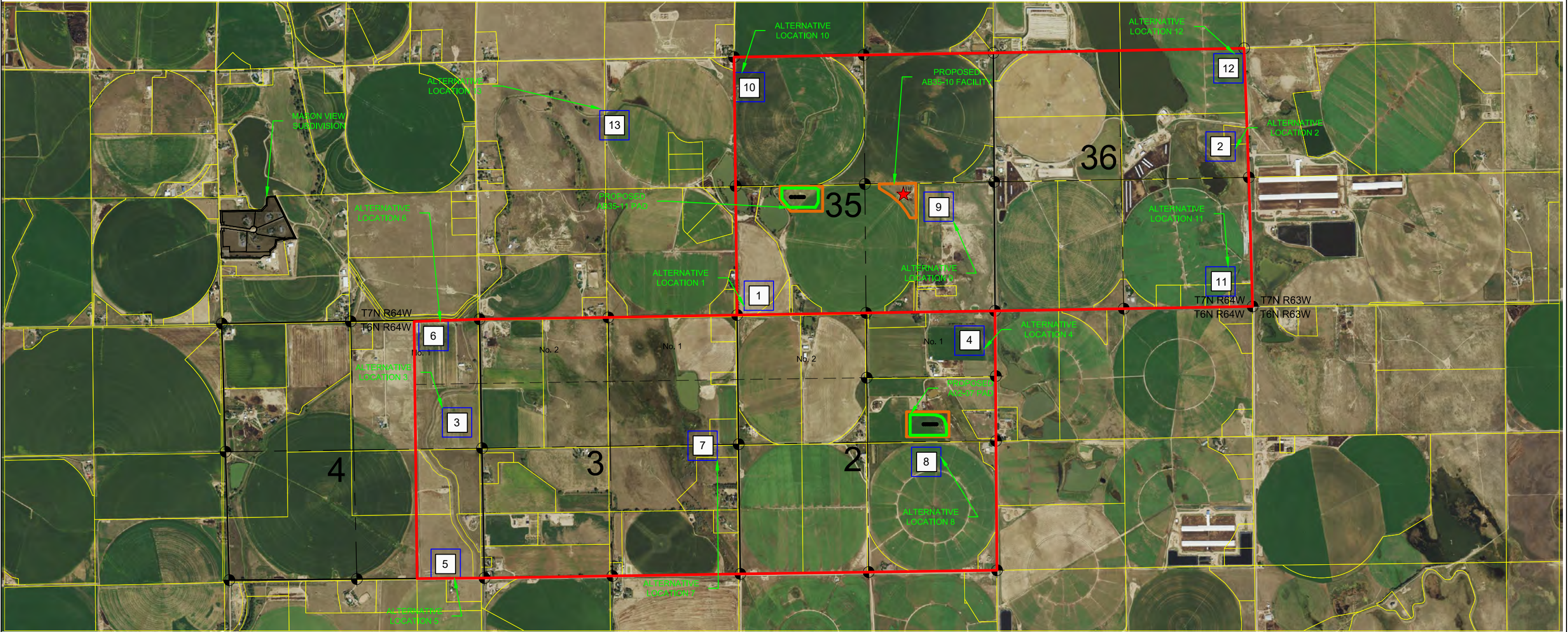


CDPHE Recommended PFAS BMPs	Chevron Response
Operator will not use fracturing fluids which contain PFAS compounds	Yes
Operator will provide funding for nearby fire district(s) to support transition away from PFAS-containing foam	Yes - participating in Colorado Preparedness & Response Network (CPRN), which has been working with Weld County fire districts on PFAS alternatives. Chevron/Noble provided funding to Briggsdale, SE Weld and Platte Valley Fire Protection Districts in 2021 to be used toward the PFAS transition or other projects.
Operator will coordinate with nearby fire district(s) to evaluate whether PFAS-free foam can provide the required performance for the specific hazard	Yes - participating in Colorado Preparedness & Response Network (CPRN) which assisted fire districts in developing data used for evaluating PFAS alternatives. Chevron/Noble also participated with Galeton Fire Protection District in performing an evaluation of a PFAS-free foam at one of our facilities.
If PFAS-containing foam is used at a location: operator will properly characterize the site to determine the level, nature and extent of contamination	Yes
If PFAS-containing foam is used at a location: operator will perform appropriate soil and water sampling to determine whether additional characterization is necessary and inform the need for and extent of interim or permanent remedial actions	Yes
If PFAS-containing foam is used at a location: operator will properly capture and dispose of PFAS-contaminated soil and fire and flush water	Yes



EXHIBIT B

OGDP 3
ALTERNATIVE LOCATION ANALYSIS
MAP 1



REFERENCE LOCATION

★
LAT: 40.52925° N
LONG: 104.51431° W
ELEVATION: 4817'
2426° FSL & 1838' FEL
PDOP: 1.3
GPS OPERATOR: ALAN HNIZDO

MEASUREMENTS:
(AS MEASURED FROM THE PROPOSED WORKING PAD SURFACE)

MUNICIPAL BOUNDARY	N/A
SUBDIVISION BOUNDARY	±5280'

DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES.
PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS, PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED
UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.



FIELD
DATE:
07-09-19

DRAWING
DATE:
06-24-22

DRAWN BY:
HJL

CHECKED BY:
IJM

SITE NAME:
OGDP 3
SURFACE LOCATION:
SEC. 35, T7N, R64W, SEC 2, T6N, R64W 6TH P.M.
WELD COUNTY, COLORADO

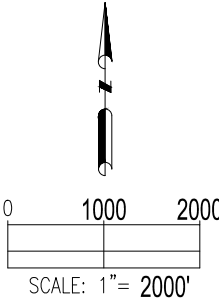
DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES:
COGCC
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT
BEEN INDEPENDENTLY VERIFIED BY ASCENT.

LEGEND:
● = EXISTING MONUMENT
○ = CALCULATED POSITION
● = PROPOSED WELL

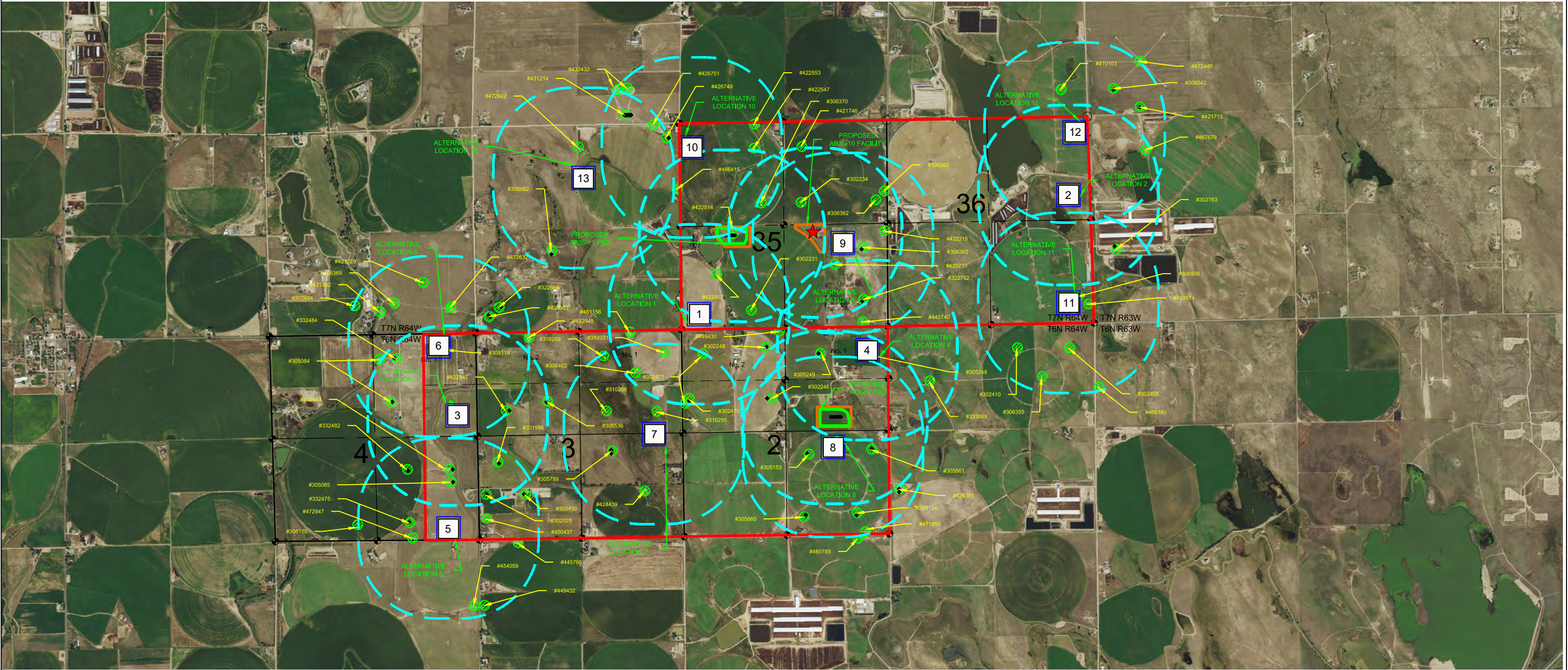
— = OIL & GAS LOCATION
— = WORKING PAD SURFACE
— = PROPERTY LINE

— = SUBDIVISION BOUNDARY
— = DSU BOUNDARY
X = ALTERNATIVE SITE
— = ALTERNATIVE SITE BOUNDARY

PREPARED FOR:
 noble energy



OGDP 3
ALTERNATIVE LOCATION ANALYSIS
MAP 2



REFERENCE LOCATION

★
LAT: 40.52925° N
LONG: 104.51431° W
ELEVATION: 4817'
2426' FSL & 1838' FEL
PDOP: 1.3
GPS OPERATOR: ALAN HNIZDO

MEASUREMENTS:
(AS MEASURED FROM THE PROPOSED WORKING PAD SURFACE)

DIC BOUNDARY

THERE ARE NO DISPROPORTIONATELY IMPACTED COMMUNITIES WITHIN 5280' OF WORKING PAD SURFACE OR ALTERNATE LOCATIONS

DISCLAIMER:
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PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS, PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED
UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.



FIELD DATE:
07-09-19
DRAWN BY:
HJL

DRAWING DATE:
06-24-22
CHECKED BY:
IJM

SITE NAME:
OGDP 3
SURFACE LOCATION:
SEC. 35, T7N, R64W, SEC 2, T6N, R64W 6TH P.M.
WELD COUNTY, COLORADO

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES:
COGCC
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

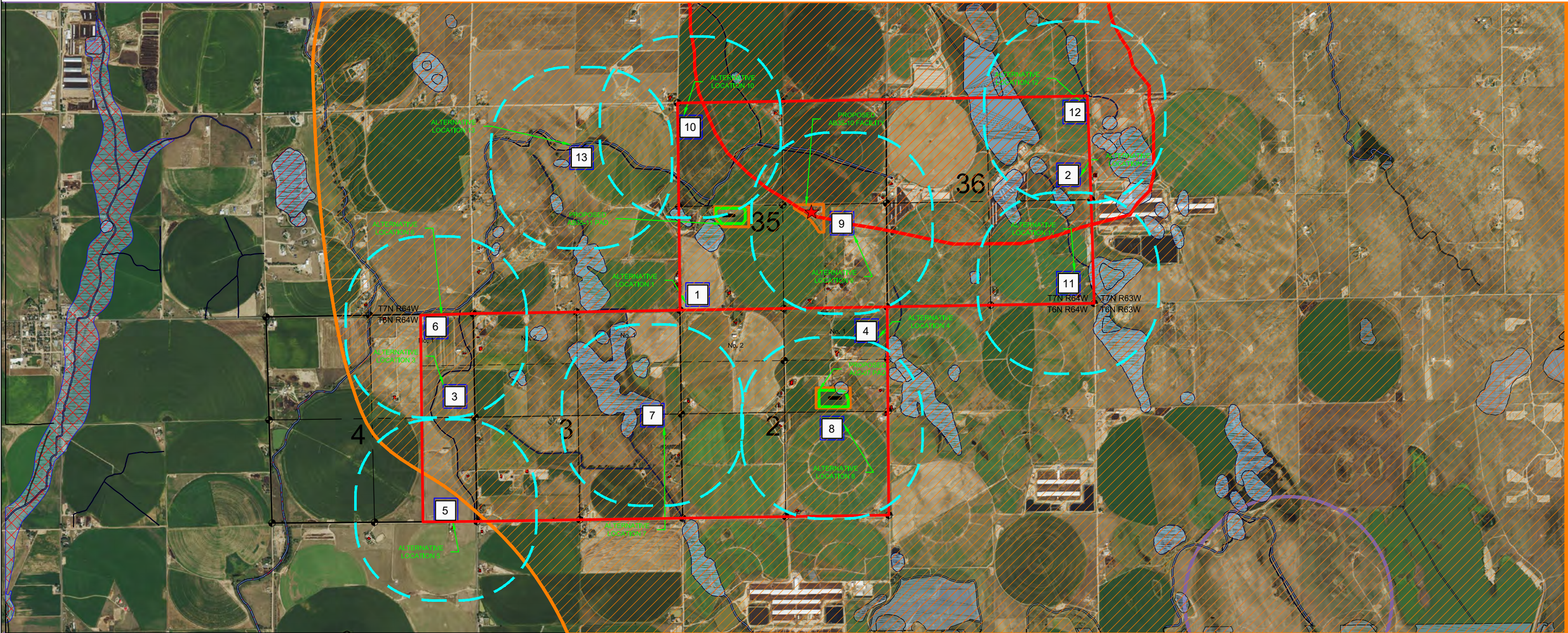
LEGEND:

- = EXISTING MONUMENT
- = CALCULATED POSITION
- = PROPOSED WELL
- ◆ = PRODUCING WELL
- ▭ = PERMITTED LOCATION
- ▭ = ALTERNATIVE SITE
- ▭ = OIL & GAS LOCATION
- ▭ = WORKING PAD SURFACE
- ▭ = ALTERNATIVE SITE BOUNDARY
- ▭ = DSU BOUNDARY
- ▭ = 2000' BUFFER

PREPARED FOR:



OGDP 3
ALTERNATIVE LOCATION ANALYSIS
MAP 3



REFERENCE LOCATION

★
LAT: 40.52925° N
LONG: 104.51431° W
ELEVATION: 4817'
2426' FSL & 1838' FEL
PDOP: 1.3
GPS OPERATOR: ALAN HNIZDO

DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES,
PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED
UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

ALA CRITERIA - PROPOSED AB35-10 FACILITY
40.52925, -104.51431

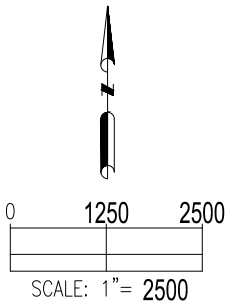
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	NO
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOB/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - PROPOSED AB35-11 PAD
40.529133, -104.522674

i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOB/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - PROPOSED A02-07 PAD
40.516295, -104.513093

i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOB/SCHOOL WITHIN A DIC	NO



FIELD
DATE:
07-09-19

DRAWN BY:
HJL

DRAWING
DATE:
06-24-22

CHECKED BY:
IJM

SITE NAME:
OGDP 3

SURFACE LOCATION:
SEC. 35, T7N, R64W, SEC 2, T6N, R64W 6TH P.M.
WELD COUNTY, COLORADO

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES:
COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT
BEEN INDEPENDENTLY VERIFIED BY ASCENT.

LEGEND:

● = EXISTING MONUMENT
○ = CALCULATED POSITION
● = PROPOSED WELL

■ = OIL & GAS LOCATION
■ = WORKING PAD SURFACE
■ = DSU BOUNDARY
■ = 2000' BUFFER
■ = FLOODPLAIN

■ = RESIDENTIAL BUILDING UNIT
■ = WETLAND
■ = ALTERNATIVE SITE BOUNDARY
■ = ALTERNATIVE SITE

■ = HIGH PRIORITY HABITAT -
MULE DEER WINTER CONCENTRATION
■ = HIGH PRIORITY HABITAT -
BALD EAGLE ACTIVE NEST SITE
■ = HIGH PRIORITY HABITAT -
PRONGHORN WINTER CONCENTRATION

PREPARED FOR:



OGDP 3
ALTERNATIVE LOCATION ANALYSIS
MAP 3

ALA CRITERIA - ALTERNATIVE LOCATION 1 40.523618, -104.525117	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	NO
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 2 40.531702, -104.491000	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 3 40.516686, -104.547437	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 4 40.520965, -104.509654	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 5 40.508758, -104.548383	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	NO
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 6 40.521553, -104.549103	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 7 40.40.515231, -104.529381	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 8 40.514186, -104.512931	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	NO
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 9 40.528500, -104.511806	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	NO
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 10 40.535333, -104.525606	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	NO
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 11 40.524125, -104.491125	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 12 40.536083, -104.490361	
i. <2,000' FROM RBU OR HOB	YES
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

ALA CRITERIA - ALTERNATIVE LOCATION 13 40.533275, -104.535614	
i. <2,000' FROM RBU OR HOB	NO
ii. <2,000' FROM SCHOOL OR CHILD CARE CENTER	NO
iii. <1,500' FROM DESIGNATED OUTSIDE ACTIVITY AREA	NO
iv. <2,000' FROM JURISDICTIONAL BOUNDARY AND PLG OBJECTS	NO
v. WITHIN FLOODPLAIN	NO
vi. aa. WITHIN A SURFACE WATER SUPPLY AREA	NO
vi. bb. <2,640' FROM TYPE III OR GUDI WELL	NO
vii. WITHIN/IMMEDIATELY UPGRADIENT OF WETLAND OR RIPARIAN	YES
viii. IN HIGH PRIORITY HABITAT AND CPW DID NOT WAIVE	YES
ix. OPERATOR USING SURFACE BOND	NO
x. <2,000' FROM A RBU/HOBU/SCHOOL WITHIN A DIC	NO

REFERENCE LOCATION



LAT: 40.52925° N
LONG: 104.51431° W
ELEVATION: 4817'
2426' FSL & 1838' FEL
PDOP: 1.3
GPS OPERATOR: ALAN HNIZDO

DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.



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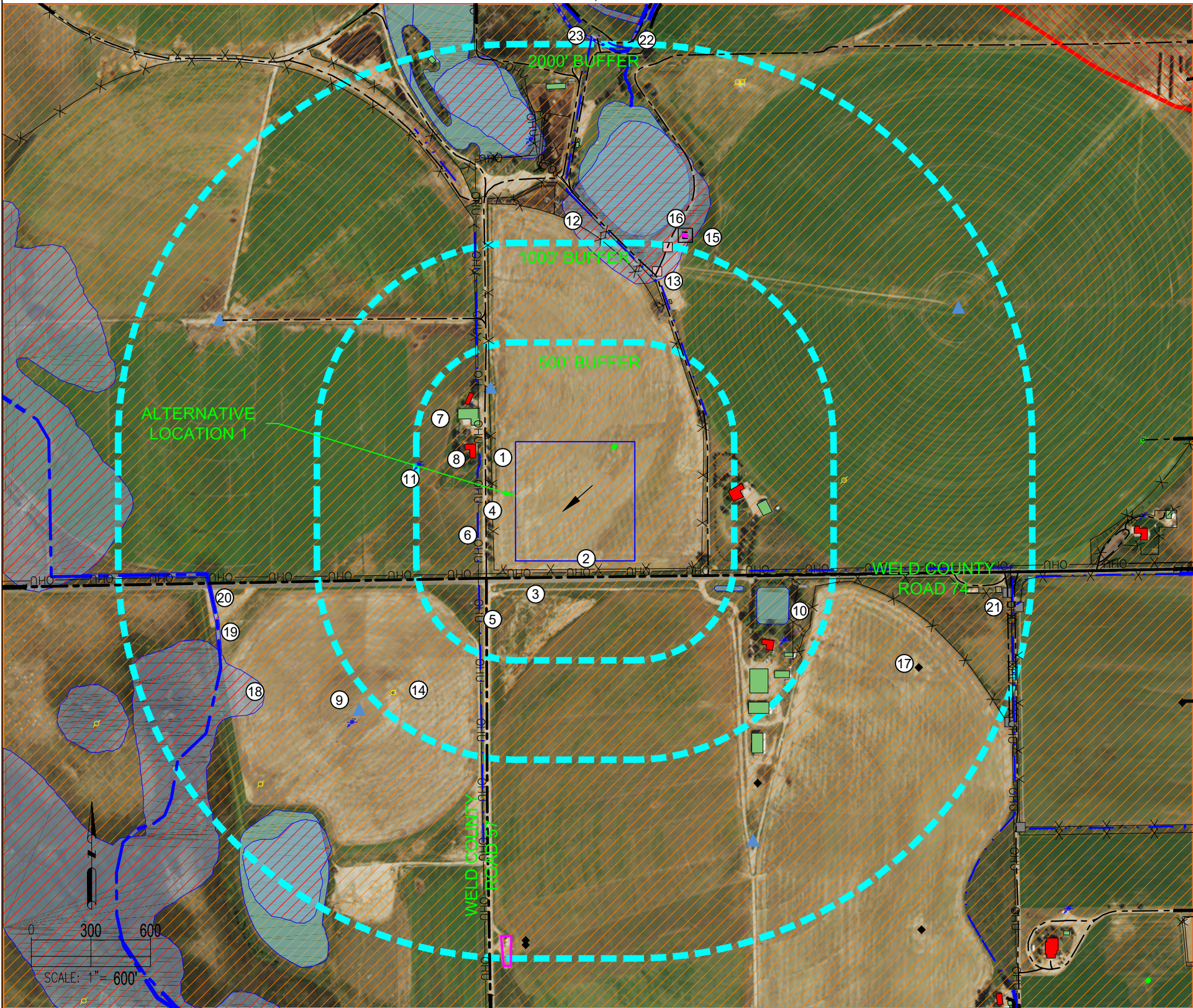
FIELD DATE: 07–09–19	DRAWING DATE: 06–24–22	SITE NAME: OGDP 3
DRAWN BY: HJL	CHECKED BY: IJM	SURFACE LOCATION: SEC. 35, T7N, R64W, SEC 2, T6N, R64W 6TH P.M. WELD COUNTY, COLORADO

PREPARED FOR:



OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 1

40.523618, -104.525117



1. FENCE:	±40' S, ±363' NW, ±394' NE, ±662' NW, ±688' N, ±716' NE, ±796' E, ±1028' E, ±1034' E, ±1100' E, ±1102' E, ±1115' NW, ±1128' N, ±1144' N, ±1193' N, ±1206' NW, ±1214' N, ±1223' N, ±1229' N, ±1336' N, ±1352' N, ±1358' N, ±1368' N, ±1395' N, ±1399' NW, ±1409' N, ±1419' N, ±1469' N, ±1533' N, ±1586' E, ±1642' NW, ±1669' E, ±1734' NW, ±1821' E, ±1895' E, ±1938' E, ±1952' E, ±1997' SE
2. OVERHEAD UTILITY:	±53' S, ±187' W, ±341' NW, ±854' E, ±1229' N, ±1442' N, ±1891' E, ±1982' N
3. WELD COUNTY ROAD 74:	±66' S
4. PRIVATE ROAD:	±148' W, ±179' SW, ±317' NW, ±362' E, ±373' NE, ±609' NW, ±643' NW, ±838' NW, ±844' N, ±1214' N, ±1220' N, ±1239' N, ±1262' N, ±1417' NE, ±1605' E, ±1801' N, ±1825' N, ±1861' E, ±1910' N, ±1914' E, ±1931' N, ±1959' N
5. WELD COUNTY ROAD 57:	±167' SW
6. DITCH:	±179' W, ±221' SW, ±359' NW, ±384' NE, ±582' E, ±660' NW, ±791' N, ±816' N, ±821' N, ±1221' N, ±1324' N, ±1350' NW, ±1904' E, ±1935' E, ±1947' E, ±1981' N
7. BUILDING:	±199' NW, ±615' E, ±793' SE, ±883' SE, ±895' SE, ±912' SE, ±1047' SE, ±1773' N, ±1948' NW
8. RESIDENTIAL BUILDING UNIT:	±200' W, ±299' NW, ±470' E, ±752' SE
9. PIVOT POINT:	±300' NW, ±1084' SW, ±1525' SE, ±1611' NW, ±1764' NE
10. POND:	±423' SE, ±633' SE, ±1034' N, ±1436' N, ±1867' NW
11. WATER WELL:	±486' W, ±486' W, ±853' SE, ±1155' SW, ±1523' N, ±1078' NE
12. SEMIPERMANENTLY FLOODED PALUSTRINE WETLAND:	±794' N, ±1425' N, ±1649' SW
13. CATTLEGUARD:	±860' N, ±987' N
14. ABANDONED OIL & GAS WELL:	±904' SW, ±1053' E, ±1704' SW, ±1882' NE, ±1889' NE
15. EXISTING FACILITY:	±1061' NE, ±1887' S
16. UTILITY BOX:	±1068' NE, ±1070' NE
17. EXISTING OIL & GAS WELL:	±1278' SE, ±1526' SE, ±1909' S, ±1932' S
18. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±1421' SW, ±1924' W
19. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND:	±1522' SW
20. STREAM:	±1532' SW, ±1689' N
21. GATE:	±1883' E, ±1945' E
22. SEMIPERMANENTLY FLOODED RIVERINE WETLAND:	±1954' N
23. EATON DITCH:	±1961' N

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	1	5	3
RESIDENTIAL BUILDING UNIT	3	1	0
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

LEGEND:

◆ = PRODUCING WELL

● = PLUGGED & ABANDONED WELL

⊕ = WATER WELL

⊙ = PIVOT POINT

○ = DRY & ABANDONED WELL

→ = FLOW DIRECTION

—X—X— = FENCE

—OHU— = OVERHEAD UTILITY

— — — = DITCH

— — — = GATE

— — — = STREAM

— — — = BUFFER ZONES

— — — = EXISTING FACILITY

— — — = POND

— — — = FLOODPLAIN

— — — = RESIDENTIAL BUILDING UNIT

— — — = BUILDING

— — — = WETLAND

— — — = CATTLE GUARD

— — — = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION

— — — = HIGH PRIORITY HABITAT - MULE DEER WINTER CONCENTRATION

— — — = ALTERNATIVE SITE BOUNDARY

— — — = EXISTING PUBLIC ROAD

— — — = EXISTING PRIVATE ROAD

CURRENT SURFACE USE: IRRIGATED CROP

FUTURE SURFACE USE: IRRIGATED CROP

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

ASCENT
GEOMATICS SOLUTIONS

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Westminster, CO 80031
(303) 928-7128
www.ascentgeomatics.com

FIELD DATE:
07-09-19

DRAWN BY:
HJL

DRAWING DATE:
07-07-22

CHECKED BY:
IJM

SITE NAME:
ALTERNATIVE LOCATION 1

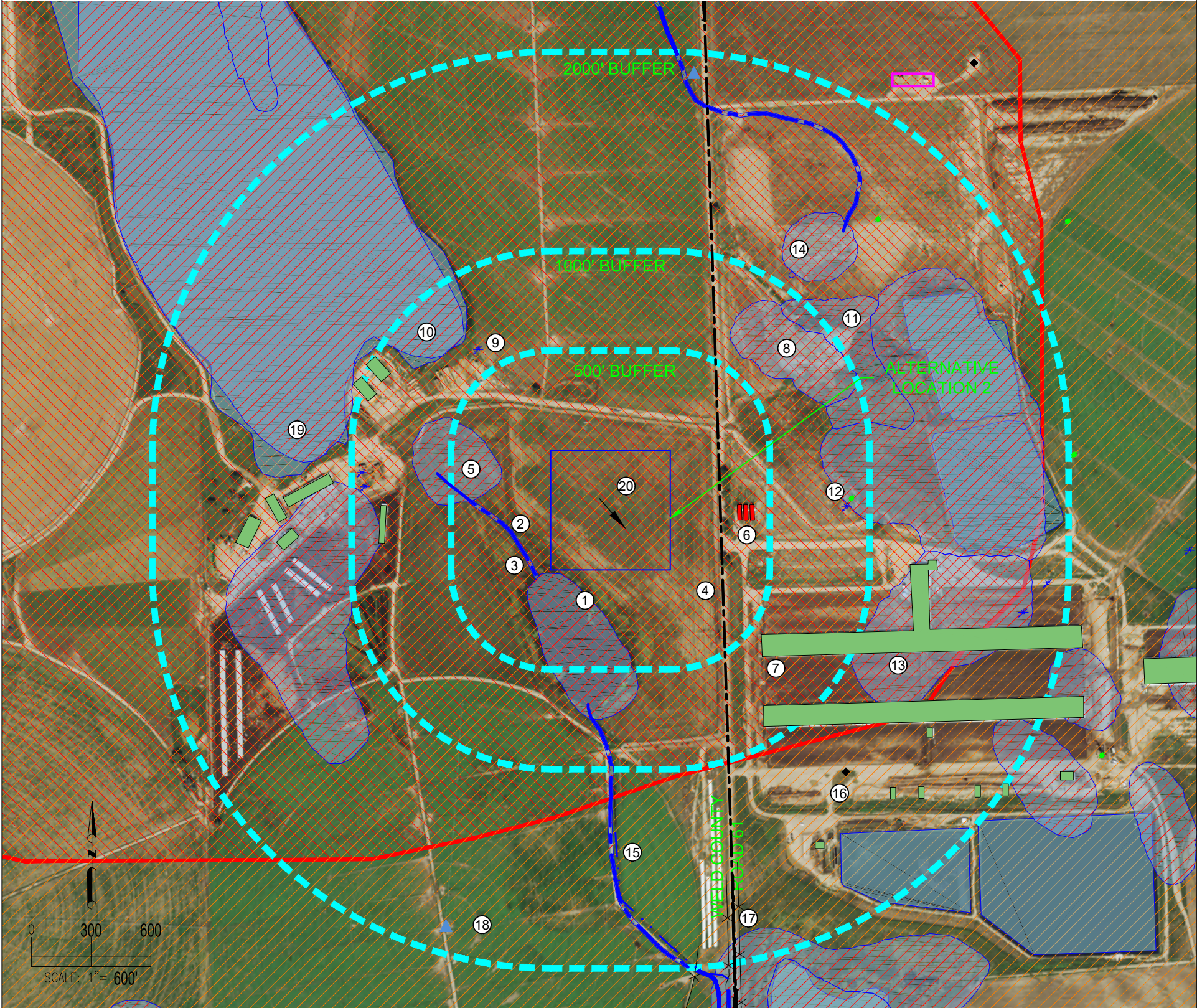
SURFACE LOCATION:
SEC. 35, T7N, R64W, 6TH P.M.
WELD COUNTY, COLORADO

DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

PREPARED FOR:

noble energy

OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 2
40.531702, -104.491000



1. SEMIPERMANENTLY FLOODED PALUSTRINE WETLAND:	±18' S, ±1085' NE
2. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND:	±70' SW, ±751' S, ±1439' NE
3. STREAM:	±80' SW, ±675' S, ±1402' NE
4. WELD COUNTY ROAD 61:	±230' E
5. TEMPORARY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±246' W, ±849' W, ±1807' SE, ±1853' SE, ±1969' SE
6. RESIDENTIAL BUILDING UNIT:	±337' E, ±368' E, ±399' E
7. BUILDING:	±561' SE, ±827' SE, ±1452' W, ±1513' SE, ±1548' SE, ±1553' SE, ±1655' SE, ±1873' SE, ±1986' SE
8. SEMIPERMANENTLY FLOODED LACUSTRINE WETLAND:	±589' NE, ±752' E
9. WATER WELL:	±624' NW, ±885' E, ±932' W, ±948' W, ±1786' E, ±1898' E
10. DIKED/IMPOUNDED INTERMITTENTLY EXPOSED LACUSTRINE WETLAND:	±715' NW
11. SEASONALLY FLOODED LACUSTRINE WETLAND:	±809' NE
12. ABANDONED OIL & GAS WELL:	±910' E, ±1561' NE
13. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±1009' SE
14. PERMANENTLY FLOODED RIVERINE WETLAND:	±1056' NE
15. DITCH:	±1277' S
16. EXISTING OIL & GAS WELL:	±1343' SE
17. FENCE:	±1507' SE, ±1551' SE, ±1896' S
18. PIVOT POINT:	±1862' SW, ±1900' N
19. POND:	±316' E, ±1375' E, ±1576' SE, ±1993' SE
20. OVERHEAD UTILITY	+0'

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	0	2	7
RESIDENTIAL BUILDING UNIT	3	0	0
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

CURRENT SURFACE USE: RANGELAND
FUTURE SURFACE USE: RANGELAND

LEGEND:

◆ = PRODUCING WELL
● = PLUGGED & ABANDONED WELL
▲ = WATER WELL
△ = PIVOT POINT

— = FLOW DIRECTION
—X—X— = FENCE
- - - = DITCH
- - - = STREAM
- - - = BUFFER ZONES

▨ = FLOODPLAIN
▨ = RESIDENTIAL BUILDING UNIT
▨ = BUILDING
▨ = WETLAND
▨ = POND

▭ = ALTERNATIVE SITE BOUNDARY
▭ = EXISTING PUBLIC ROAD
—OHU— = OVERHEAD UTILITY

▨ = HIGH PRIORITY HABITAT - MULE DEER WINTER CONCENTRATION
▨ = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

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FIELD DATE: 07-09-19
DRAWN BY: HJL

DRAWING DATE: 07-07-22
CHECKED BY: IJM

SITE NAME: ALTERNATIVE LOCATION 2
SURFACE LOCATION: SEC. 36, T7N, R64W, 6TH P.M. WELD COUNTY, COLORADO











DISCLAIMER:
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PREPARED FOR:

40.516686, -104.547437




LEGEND:

	= PRODUCING WELL		= FLOW DIRECTION		= STREAM
	= PLUGGED & ABANDONED WELL		= FENCE		= BUFFER ZONES
	= WATER WELL		= OVERHEAD UTILITY		= EXISTING FACILITY
			= DITCH		

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES:
COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

 = ALTERNATIVE SITE BOUNDARY

 = EXISTING PUBLIC ROAD
 = EXISTING PRIVATE ROAD

DISCLAIMER:
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PREPARED FOR:



OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 4
40.520965, -104.509654



1. FENCE: +0', ±92' S, ±138' SW, ±161' N, ±194' E, ±204' E, ±215' E, ±219' SE, ±251' S, ±253' E, ±262' S, ±266' N, ±276' SW, ±308' E, ±325' N, ±333' E, ±345' SW, ±357' S, ±368' SW, ±375' SW, ±385' N, ±402' N, ±435' S, ±457' N, ±462' W, ±483' W, ±502' W, ±518' SW, ±523' W, ±554' W, ±580' E, ±612' NE, ±659' SW, ±768' SW, ±782' N, ±807' NW, ±875' N, ±881' NW, ±909' NW, ±950' W, ±981' NW, ±986' NW, ±1007' NW, ±1014' NW, ±1021' NW, ±1034' NW, ±1043' NW, ±1055' NW, ±1073' NW, ±1077' SW, ±1085' NW, ±1091' SE, ±1105' S, ±1114' SW, ±1120' SW, ±1126' NW, ±1130' SW, ±1146' S, ±1161' SW, ±1170' SW, ±1208' NW, ±1226' SE, ±1230' S, ±1255' NW, ±1289' NW, ±1294' SW, ±1318' SE, ±1345' SW, ±1351' SE, ±1359' NW, ±1365' SE, ±1366' NW, ±1394' NW, ±1403' SE, ±1406' SE, ±1419' SE, ±1431' SE, ±1441' NW, ±1443' SE, ±1471' NW, ±1555' SE, ±1586' SE, ±1638' S, ±1685' S, ±1736' S, ±1750' S, ±1771' W, ±1779' W, ±1784' NW, ±1796' S, ±1806' W, ±1806' W, ±1821' SE, ±1822' W, ±1837' N, ±1865' W, ±1871' W, ±1890' S, ±1892' S, ±1969' S, ±1973' S, ±1985' W, ±1986' NW +0', ±120' SW, ±184' E, ±217' SE, ±220' SE, ±254' SW, ±256' S, ±473' W, ±504' W, ±513' W, ±620' NE, ±674' W, ±892' NW, ±1019' NW, ±1074' NW, ±1085' SW, ±1174' SE, ±1181' NW, ±1780' W, ±1817' SW, ±1823' W, ±1840' W ±171' N
2. GATE: ±201' SE, ±730' SE, ±1921' SE
3. EXISTING FACILITY: ±206' E, ±266' N, ±276' N, ±402' NE, ±558' W, ±621' NW, ±811' NW, ±830' NW, ±1101' NW, ±1809' W
4. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND: ±216' E
5. OVERHEAD UTILITY: ±0', ±233' NE, ±250' N, ±261' E, ±283' E, ±631' NE, ±659' W, ±862' SW, ±923' NW, ±999' NW, ±1745' S, ±1745' S, ±1776' W, ±1799' W, ±1814' W, ±1832' W, ±1932' N
6. WELD COUNTY ROAD 59: ±278' SW, ±486' W, ±530' SW, ±805' NW, ±860' NW, ±877' NW, ±899' NW, ±938' NW, ±955' NW, ±959' NW, ±1017' NW, ±1020' NW, ±1048' NW, ±1105' S, ±1106' S, ±1111' S, ±1141' NW, ±1151' SW, ±1154' NW, ±1190' S, ±1206' NW, ±1265' SE, ±1349' NW, ±1362' SE, ±1458' SE, ±1767' S, ±1789' SW, ±1878' S, ±1883' S, ±1969' S
7. DITCH: ±283' N
8. BUILDING: ±0', ±298' N, ±387' N, ±387' SW, ±455' S, ±500' NW, ±517' W, ±537' W, ±572' SW, ±606' W, ±807' NW, ±808' SE, ±850' NW, ±863' SW, ±880' NW, ±964' NW, ±970' NW, ±997' NW, ±1020' NW, ±1030' SW, ±1081' NW, ±1153' S, ±1178' NW, ±1225' NW, ±1267' NW, ±1304' NW, ±1342' SE, ±1429' SE, ±1541' SE, ±1618' S, ±1638' SW, ±1728' S, ±1787' W, ±1804' W, ±1808' S, ±1812' S, ±1823' W, ±1859' W, ±1953' SW
9. WELD COUNTY ROAD 74: ±306' SW, ±685' NW, ±780' NW, ±953' N, ±1074' NW, ±1074' NW, ±1271' NW, ±1429' S, ±1737' SW
10. PRIVATE ROAD: ±326' E
11. WATER WELL: ±347' N, ±518' SE, ±698' SE, ±806' SW, ±1079' SE, ±1497' NW, ±1759' SE
12. WETLAND: ±401' E
13. POND: ±411' E, ±1049' SE, ±1599' SE
14. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND: ±474' SW, ±893' NW, ±989' NW, ±998' NW, ±1134' NW, ±1192' S, ±1208' NW, ±1639' SE, ±1801' S, ±1858' SW
15. STREAM: ±650' SE
16. RESIDENTIAL BUILDING UNIT: ±822' SE
17. SEMIPERMANENTLY FLOODED PALUSTRINE WETLAND: ±871' E, ±1442' SE, ±1474' SE, ±1479' NW, ±1640' SW
18. CATTLE GUARD: ±0', ±948' N, ±953' W, ±1992' NW
19. ABANDONED OIL & GAS WELL: ±1055' SW
20. EXISTING OIL & GAS WELL: ±1352' SE
21. SEASONALLY FLOODED PALUSTRINE WETLAND:
22. PIVOT POINT:

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	2	8	20
RESIDENTIAL BUILDING UNIT	1	3	6
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

CURRENT SURFACE USE: IRRIGATED CROP
FUTURE SURFACE USE: IRRIGATED CROP

LEGEND:

- ◆ = PRODUCING WELL
- = PLUGGED & ABANDONED WELL
- = TEMPORARILY ABANDONED WELL
- ★ = WATER WELL
- ▲ = PIVOT POINT
- = FLOW DIRECTION
- ✕ = FENCE
- OHU— = OVERHEAD UTILITY
- DITCH— = DITCH
- = STREAM
- = BUFFER ZONES
- = EXISTING FACILITY
- = POND
- = GATE
- = RESIDENTIAL BUILDING UNIT
- = BUILDING
- = WETLAND
- = CATTLE GUARD
- = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION
- = HIGH PRIORITY HABITAT - MULE DEER WINTER CONCENTRATION
- = ALTERNATIVE SITE BOUNDARY
- = EXISTING PUBLIC ROAD
- = EXISTING PRIVATE ROAD

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

8620 Wolff Court,
Westminster, CO 80031
(303) 928-7128
www.ascentgeomatics.com

FIELD DATE: 07-09-19

DRAWN BY: HJL

DRAWING DATE: 07-07-22

CHECKED BY: IJM

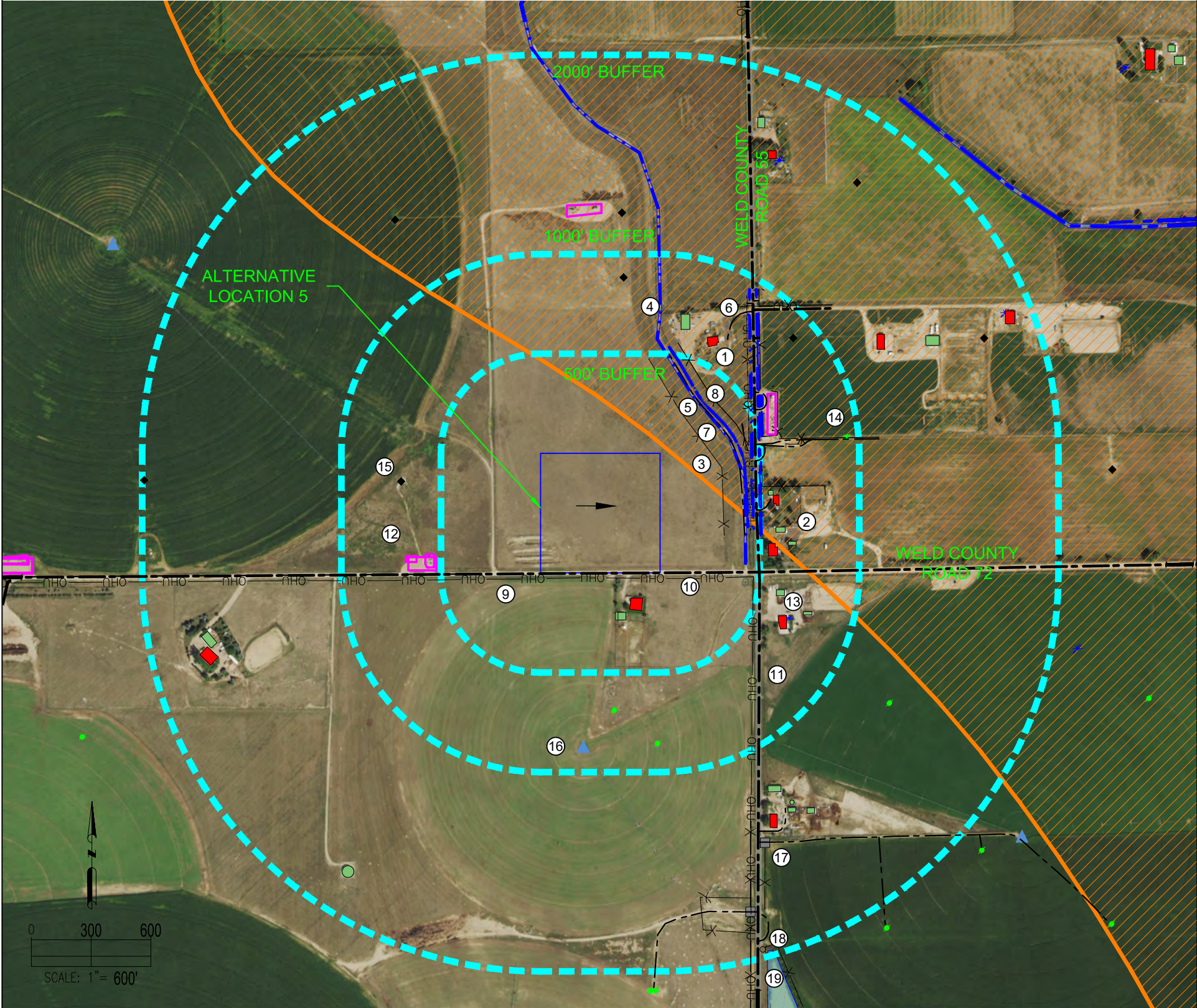
SITE NAME: ALTERNATIVE LOCATION 4

SURFACE LOCATION: SEC. 02, T6N, R64W, 6TH P.M. WELD COUNTY, COLORADO

DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

PREPARED FOR:

OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 5
40.508758, -104.548383



1. RESIDENTIAL BUILDING UNIT:	±127' S, ±569' E, ±545' E, ±588' NE, ±633' SE, ±1209' NE, ±1332' SE, ±1576' NE, ±1672' SW, ±1852' NE ±196' S, ±543' E, ±582' E, ±590' E, ±631' N, ±644' E, ±745' SE, ±1198' SE, ±1317' SE, ±1342' SE, ±1392' SE, ±1440' NE, ±1579' SW, ±1707' NE, ±1746' SW, ±1661' SW
2. BUILDING:	±207' NE, ±381' NE, ±381' NE, ±448' E, ±510' E, ±515' E, ±599' NE, ±603' E, ±633' E, ±701' E, ±780' NE, ±849' NE, ±892' NE, ±946' E, ±1212' SE, ±1433' SE, ±1641' S, ±1949' SE
3. FENCE:	±306' NE
4. SEMIPERMANENTLY FLOODED RIVERINE WETLAND:	±313' NE
5. CANAL:	±315' NE, ±479' E, ±480' E, ±484' E, ±497' E, ±509' E, ±523' NE, ±659' NE, ±771' E, ±830' NE, ±871' NE, ±896' NE, ±1339' SE, ±1438' SE, ±1717' S, ±1722' SE, ±1780' SE
6. PRIVATE ROAD:	±333' NE, ±457' E, ±458' E, ±461' E, ±499' E, ±500' E, ±516' E, ±544' NE, ±551' NE, ±560' NE, ±564' NE, ±585' NE, ±594' NE, ±764' NE, ±770' NE, ±891' NE, ±896' NE, ±919' NE, ±933' NE
7. DITCH:	±333' NE
8. STREAM:	±28' S, ±448' E, ±448' E, ±453' E, ±469' E, ±861' NE
9. OVERHEAD UTILITY:	±3' S
10. WELD COUNTY ROAD 72:	±489' E
11. WELD COUNTY ROAD 55:	±534' W, ±547' NE, ±622' W, ±1187' N
12. EXISTING FACILITY:	±686' SE, ±1587' NE, ±1587' NE, ±1873' NE
13. WATER WELL:	±690' S, ±856' S, ±941' E, ±1324' SE
14. ABANDONED OIL & GAS WELL:	±700' W, ±883' N, ±885' NE, ±1208' N, ±1381' NW, ±1681' NE, ±1727' NE, ±1990' W
15. EXISTING OIL & GAS WELL:	±871' S
16. PIVOT POINT:	±1453' SE, ±1760' SE
17. GATE:	±1960' SE
18. FIRE HYDRANT:	±1973' SE
19. POND:	

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	1	6	9
RESIDENTIAL BUILDING UNIT	1	4	5
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

CURRENT SURFACE USE: RANGELAND
FUTURE SURFACE USE: RANGELAND

LEGEND:

◆ = PRODUCING WELL
● = PLUGGED & ABANDONED WELL
⚡ = WATER WELL
▲ = PIVOT POINT
⊕ = FIRE HYDRANT

→ = FLOW DIRECTION
—X—X— = FENCE
—OHU— = OVERHEAD UTILITY
- - - = DITCH
- - - - - = CANAL

— = STREAM
--- = BUFFER ZONES
--- = EXISTING FACILITY
--- = POND

--- = GATE
--- = RESIDENTIAL BUILDING UNIT
--- = BUILDING
--- = WETLAND
--- = CATTLE GUARD

--- = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION
--- = ALTERNATIVE SITE BOUNDARY
--- = EXISTING PUBLIC ROAD
--- = EXISTING PRIVATE ROAD

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

8620 Wolff Court,
Westminster, CO 80031
(303) 928-7128
www.ascentgeomatics.com

FIELD DATE: 07-09-19
DRAWN BY: HJL

DRAWING DATE: 07-07-22
CHECKED BY: IJM

SITE NAME:
ALTERNATIVE LOCATION 5
SURFACE LOCATION:
SEC. 04, T6N, R64W, 6TH P.M.
WELD COUNTY, COLORADO

DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

PREPARED FOR:

OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 6
40.521553, -104.549103



1. WELD COUNTY ROAD 74:	±7' N
2. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND:	±72' N
3. CANAL:	±79' N, ±281' E
4. SEMIPERMANENTLY FLOODED RIVERINE WETLAND:	±274' E
5. WELD COUNTY ROAD 55:	±294' E
6. OVERHEAD UTILITY:	±305' W
7. BUILDING:	±336' SE, ±736' E, ±783' E, ±869' W, ±1257' W, ±1432' W, ±1536' NW, ±1575' W, ±1594' NW, ±1613' W, ±1662' W, ±1686' W, ±1699' W, ±1124' W, ±1618' NW, ±1791' NW
8. EATON DITCH:	±337' NE, ±1378' NW, ±1538' NW
9. WATER WELL:	±419' SE, ±706' E, ±711' E, ±745' W, ±795' E, ±827' SW, ±1356' NE
10. DITCH:	±497' W, ±1358' NW, ±1420' NW
11. RESIDENTIAL BUILDING UNIT:	±528' SE, ±739' E, ±830' SE, ±990' W, ±1325' NE, ±1482' W, ±1628' SW, ±1855' NE
12. PRIVATE ROAD:	±566' NW, ±1274' NW, ±1319' NW, ±1360' W, ±1576' NW
13. FENCE:	±617' W, ±969' NW, ±1117' W, ±1195' W, ±1201' NW, ±1221' NW, ±1226' NW, ±1340' W
14. ABANDONED OIL & GAS WELL:	±703' N, ±1149' NW, ±1151' S, ±1348' N, ±1506' E
15. EXISTING OIL & GAS WELL:	+0', ±834' W, ±1085' NE, ±1099' NE, ±1112' NE, ±1431' SW, ±1474' NE
16. EXISTING FACILITY:	±1206' NW, ±1232' NW
17. CATTLE GUARD:	±1320' W, ±1373' NW
18. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±1807' SE
19. SEMIPERMANENTLY FLOODED PALUSTRINE WETLAND:	±1917' NE

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	1	3	12
RESIDENTIAL BUILDING UNIT	0	4	4
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

CURRENT SURFACE USE: IRRIGATED CROP
FUTURE SURFACE USE: IRRIGATED CROP











LEGEND: ◆ = PRODUCING WELL ● = PLUGGED & ABANDONED WELL ⚡ = WATER WELL ⚙ = PIVOT POINT ⦿ = TAPPED & ABANDONED WELL → = FLOW DIRECTION X = FENCE —OHU— = OVERHEAD UTILITY - - - = DITCH - - - = CANAL - - - = STREAM - - - = BUFFER ZONES - - - = EXISTING FACILITY - - - = POND - - - = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION - - - = RESIDENTIAL BUILDING UNIT - - - = BUILDING - - - = WETLAND - - - = CATTLE GUARD - - - = ALTERNATIVE SITE BOUNDARY - - - = EXISTING PUBLIC ROAD - - - = EXISTING PRIVATE ROAD	DATA SOURCE: AERIAL IMAGERY: NAIP 2019 DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.
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ASCENT GEOMATICS SOLUTIONS 8620 Wolff Court, Westminster, CO 80031 (303) 928-7128 www.ascentgeomatics.com	FIELD DATE: 07-09-19 DRAWN BY: HJL	DRAWING DATE: 07-07-22 CHECKED BY: IJM	SITE NAME: ALTERNATIVE LOCATION 6 SURFACE LOCATION: SEC. 04, T6N, R64W, 6TH P.M. WELD COUNTY, COLORADO	DISCLAIMER: THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.	PREPARED FOR: noble energy
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40.515231, -104.529381



LEGEND:

	= PRODUCING WELL		= FLOW DIRECTION		= STREAM
	= PLUGGED & ABANDONED WELL		= FENCE		= BUFFER ZONES
	= WATER WELL		= OVERHEAD UTILITY		= EXISTING FACILITY
	= PIVOT POINT		= DITCH		= POND
	= TEMPORARILY ABANDONED WELL				

DATA SOURCE:	
AERIAL IMAGERY: NAIP 2019	
DISPROPORTIONATELY IMPACTED COMMUNITIES	
COGCC	
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT	
BEEN INDEPENDENTLY VERIFIED BY ASCENT.	

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.



OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 8
40.514186, -104.512931





1. FENCE:	±111' N, ±116' NW, ±531' E, ±714' NE, ±760' N, ±767' N, ±770' NE, ±774' N, ±779' N, ±780' N, ±781' N, ±831' E, ±851' NE, ±863' W, ±869' N, ±883' N, ±887' E, ±889' N, ±890' N, ±891' W, ±899' NE, ±905' E, ±918' NE, ±922' N, ±928' N, ±949' N, ±956' NE, ±980' N, ±980' N, ±980' NE, ±1026' E, ±1076' NE, ±1089' NE, ±1104' W, ±1116' NE, ±1164' E, ±1172' E, ±1199' NE, ±1225' NE, ±1255' NE, ±1258' NE, ±1261' NE, ±1287' SE, ±1292' NE, ±1301' NE, ±1327' SE, ±1344' SE, ±1351' E, ±1368' NE, ±1398' NE, ±1399' E, ±1406' NE, ±1421' NE, ±1432' NE, ±1440' N, ±1472' N, ±1495' NE, ±1502' NE, ±1510' NE, ±1522' NE, ±1534' N, ±1550' N, ±1606' SE, ±1614' N, ±1621' NE, ±1623' N, ±1624' NE, ±1633' N, ±1649' N, ±1652' N, ±1670' NE, ±1700' NE, ±1716' SE, ±1722' SE, ±1786' N, ±1789' SE, ±1791' N, ±1791' N, ±1819' SE, ±1836' NE, ±1875' N, ±1898' SE, ±1904' SE, ±1907' SE, ±1953' SE, ±1970' S, ±1993' NE
2. DITCH:	±115' N, ±543' NE, ±877' W, ±893' W, ±909' W, ±919' W, ±921' SW, ±936' W, ±1104' W, ±1168' W, ±1170' W, ±1337' W, ±1417' NW, ±1449' N, ±1863' NW +0', ±128' N, ±850' E, ±853' N, ±878' W, ±885' NE, ±892' W, ±897' W, ±946' W, ±955' W, ±957' NW, ±958' N, ±961' NW, ±990' NW, ±1010' NW, ±1011' NW, ±1039' NW, ±1042' NW, ±1061' W, ±1076' NW, ±1091' E, ±1116' NW, ±1125' NW, ±1141' E, ±1157' W, ±1171' NE, ±1192' NE, ±1229' NE, ±1282' NE, ±1309' SE, ±1444' N, ±1584' NE, ±1741' N, ±1775' N, ±1813' N, ±1848' NW, ±1936' SE, ±1978' SE
3. PRIVATE ROAD:	±361' W, ±693' E, ±1482' SE, ±1491' SW, ±1594' SE, ±1632' SE, ±1674' NW
4. EXISTING OIL & GAS WELL:	±553' N
5. SEASONALLY FLOODED PALUSTRINE WETLAND:	±599' S, ±1807' E
6. PIVOT POINT:	±729' NW, ±1612' SE, ±1675' E
7. ABANDONED OIL & GAS WELL:	±764' W, ±1012' N, ±1751' NE, ±1757' NE, ±1781' E, ±1924' NE
8. POND:	±826' E, ±862' E, ±869' N, ±893' W, ±901' E, ±920' E, ±925' W, ±942' W, ±975' NE, ±994' NW, ±1023' NW, ±1074' NW, ±1079' NW, ±1083' NE, ±1084' NW, ±1097' NE, ±1109' NE, ±1116' NW, ±1161' NE, ±1185' NE, ±1200' NE, ±1415' NE, ±1467' N, ±1508' NE, ±1544' SE, ±1564' SE, ±1586' SE, ±1681' NE, ±1754' N, ±1811' N, ±1825' SW, ±1840' SW, ±1843' SE, ±1857' SE, ±1869' SW, ±1901' SE, ±1961' SE
9. BUILDING:	±827' W, ±1009' NE, ±1230' NW, ±1393' SE, ±1648' SE, ±1690' N
10. WATER WELL:	±887' W, ±900' W, ±1114' E, ±1136' E, ±1759' N, ±1914' S, ±1914' S, ±1968' S
11. OVERHEAD UTILITY:	±959' N, ±1316' NE, ±1681' NE, ±1706' NW, ±1791' N, ±1800' N
12. GATE:	±972' W, ±1047' E, ±1071' NW, ±1084' NW, ±1111' NE, ±1127' NW, ±1210' E, ±1532' N, ±1917' SE
13. RESIDENTIAL BUILDING UNIT:	±1114' E, ±1617' NE
14. CATTLE GUARD:	±1127' E
15. WELD COUNTY ROAD 59:	±1934' S
16. WELD COUNTY ROAD 72:	
17. EXISTING FACILITY:	±1382' SE, ±1901' SE, ±1907' SE
18. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±1459' E, ±1848' NE
19. SEMIPERMANENTLY FLOODED PALUSTRINE WETLAND:	±1814' NE

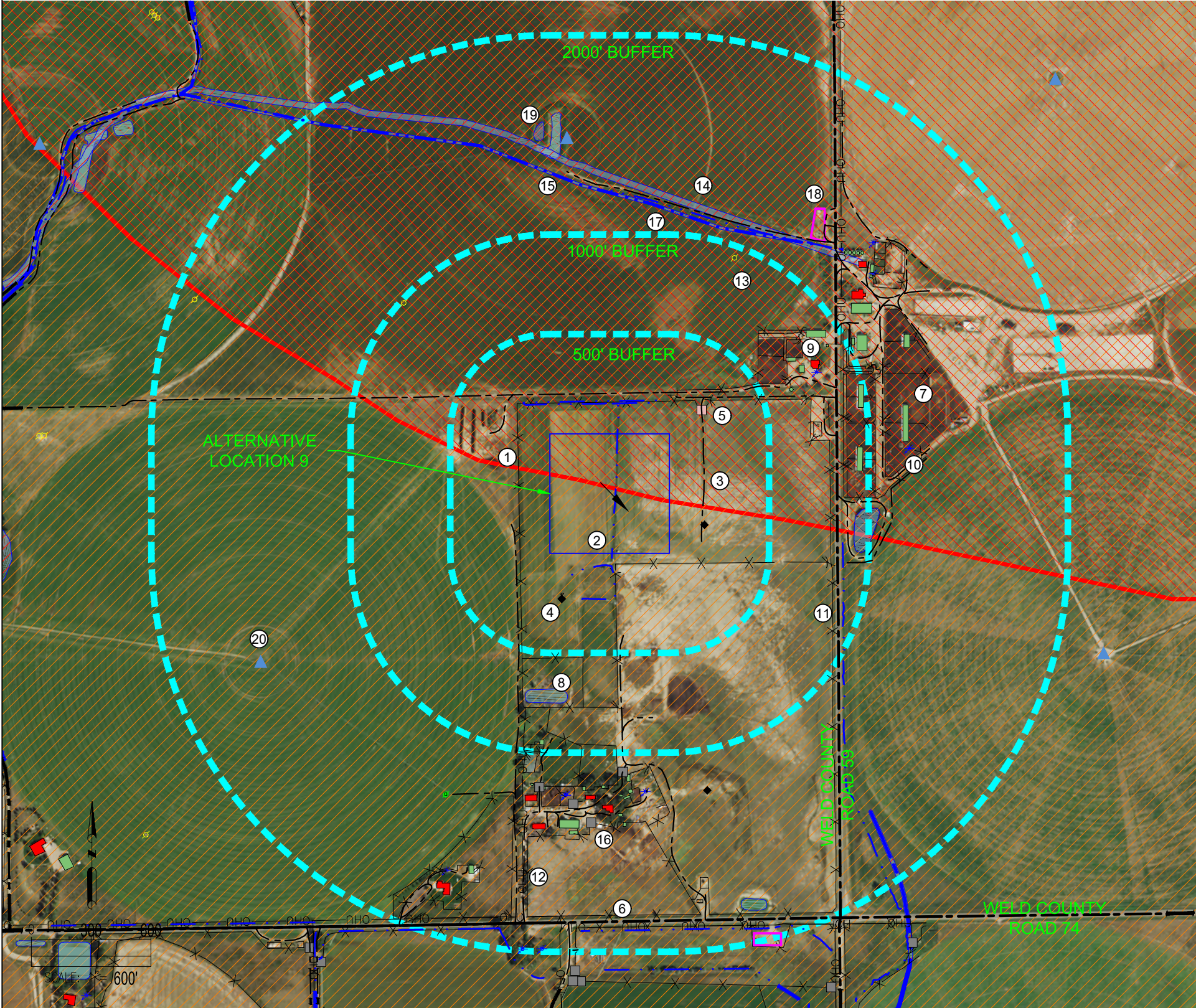
	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	0	10	27
RESIDENTIAL BUILDING UNIT	0	1	8
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

CURRENT SURFACE USE: IRRIGATED CROP
FUTURE SURFACE USE: IRRIGATED CROP

LEGEND: ◆ = PRODUCING WELL ● = PLUGGED & ABANDONED WELL ⚡ = WATER WELL ▲ = PIVOT POINT → = FLOW DIRECTION ✕ = FENCE —OHU— = OVERHEAD UTILITY - - - = DITCH = GATE = BUFFER ZONES = EXISTING FACILITY = POND = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION = RESIDENTIAL BUILDING UNIT = BUILDING = WETLAND = CATTLE GUARD = ALTERNATIVE SITE BOUNDARY = EXISTING PUBLIC ROAD = EXISTING PRIVATE ROAD	DATA SOURCE: AERIAL IMAGERY: NAIP 2019 DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.
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 8620 Wolff Court, Westminster, CO 80031 (303) 928-7128 www.ascentgeomatics.com	FIELD DATE: 07-09-19 DRAWN BY: HJL	DRAWING DATE: 07-07-22 CHECKED BY: IJM	SITE NAME: ALTERNATIVE LOCATION 8 SURFACE LOCATION: SEC. 02, T6N, R64W, 6TH P.M. WELD COUNTY, COLORADO	DISCLAIMER: THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.	PREPARED FOR: 
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OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 9
40.528500, -104.511806



1. FENCE:
2. DITCH:
3. PRIVATE ROAD:
4. EXISTING OIL & GAS WELL:
5. CATTLE GUARD:
6. WELD COUNTY ROAD 74:
7. BUILDING:
8. POND:
9. RESIDENTIAL BUILDING UNIT:
10. WATER WELL:
11. WELD COUNTY ROAD 59:
12. OVERHEAD UTILITY:
13. ABANDONED OIL & GAS WELL:
14. SEMIPERMANENTLY FLOODED RIVERINE WETLAND:
15. CANAL:
16. GATE:
17. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND:
18. EXISTING FACILITY:
19. WETLAND:
20. PIVOT POINT:
21. STREAM:
- ±51' S, ±149' W, ±193' N, ±199' S, ±220' S, ±222' NE, ±325' S, ±510' NE, ±524' S, ±593' NE, ±607' S, ±659' NE, ±673' NE, ±691' NE, ±700' NE, ±724' E, ±773' S, ±803' E, ±813' E, ±874' E, ±891' E, ±892' E, ±892' E, ±909' NE, ±922' NE, ±928' NE, ±949' S, ±950' NE, ±956' S, ±1004' S, ±1008' NE, ±1021' E, ±1024' E, ±1136' S, ±1159' S, ±1169' S, ±1170' S, ±1171' S, ±1171' S, ±1175' S, ±1185' S, ±1200' E, ±1232' S, ±1248' NE, ±1249' S, ±1260' NE, ±1264' S, ±1273' NE, ±1292' NE, ±1292' NE, ±1306' NE, ±1308' SW, ±1327' NE, ±1333' NE, ±1348' S, ±1351' NE, ±1352' NE, ±1368' S, ±1374' NE, ±1385' NE, ±1634' S, ±1689' S, ±1691' S, ±1742' S, ±1813' S, ±1823' S, ±1872' S, ±1912' SE, ±1916' S, ±1957' SE, ±1999' S
+0', ±59' S, ±152' N, ±870' E, ±1094' NE, ±1261' NE, ±1265' NE, ±1888' S, ±1898' S, ±1899' S, ±1914' SW, ±1951' SE
±161' E, ±171' W, ±188' NE, ±198' N, ±207' N, ±239' NW, ±413' S, ±780' E, ±824' S, ±843' E, ±871' E, ±894' E, ±921' S, ±987' NE, ±997' NE, ±1059' S, ±1070' E, ±1110' NE, ±1113' E, ±1136' NE, ±1187' S, ±1214' S, ±1227' NE, ±1238' NE, ±1243' NE, ±1253' NE, ±1285' S, ±1298' S, ±1300' S, ±1300' S, ±1305' NE, ±1320' NE, ±1365' NE, ±1429' NE, ±1632' SW, ±1702' S, ±1769' SW, ±1853' S, ±1988' S
±176' E, ±229' S, ±229' S, ±1205' S
±190' NE, ±201' NE
±1831' S
±642' NE, ±697' NE, ±720' NE, ±841' NE, ±900' NE, ±937' S, ±941' E, ±956' E, ±1018' NE, ±1029' NE, ±1094' NE, ±1111' S, ±1158' S, ±1163' S, ±1171' S, ±1171' S, ±1173' E, ±1182' S, ±1210' S, ±1213' S, ±1255' NE, ±1261' NE, ±1275' NE, ±1276' NE, ±1289' NE, ±1293' NE, ±1303' NE, ±1305' S, ±1319' NE, ±1338' S, ±1350' S, ±1393' S, ±1612' SW
±681' S, ±927' E, ±1380' N, ±1775' SE
±786' NE, ±1139' NE, ±1213' S, ±1214' S, ±1262' S, ±1265' NE, ±1357' S, ±1729' SW
±800' NE, ±1196' S, ±1204' E, ±1214' S, ±1214' S, ±1304' NE, ±1405' NE, ±1674' SW, ±1985' S, ±1990' S
±828' E
±920' NE, ±993' S, ±1273' NE, ±1822' S, ±1822' S, ±1832' S, ±1879' SW, ±1880' S, ±1913' S, ±1976' SE
±941' NE, ±984' NW, ±1318' SW, ±1906' NW
±1059' NE
±1065' NE
±1097' S, ±1174' S, ±1257' S, ±1351' S
±1107' NE, ±1635' SE
±1214' NE, ±1953' SE
±1471' N
±1487' N, ±1550' SW
±1645' SE

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	0	8	25
RESIDENTIAL BUILDING UNIT	0	1	7
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

CURRENT SURFACE USE: IRRIGATED CROP
FUTURE SURFACE USE: IRRIGATED CROP

LEGEND:

- ◆ = PRODUCING WELL
- = PLUGGED & ABANDONED WELL
- = TEMPORARILY ABANDONED WELL
- ▲ = WATER WELL
- △ = PIVOT POINT
- = FLOW DIRECTION
- ✕ = FENCE
- OHU— = OVERHEAD UTILITY
- = DITCH
- = CANAL
- = STREAM
- = GATE
- = BUFFER ZONES
- = EXISTING FACILITY
- = POND
- = HIGH PRIORITY HABITAT - MULE DEER WINTER CONCENTRATION
- = RESIDENTIAL BUILDING UNIT
- = BUILDING
- = WETLAND
- = CATTLE GUARD
- = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION
- = ALTERNATIVE SITE BOUNDARY
- = EXISTING PUBLIC ROAD
- = EXISTING PRIVATE ROAD

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

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07-09-19

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HJL

DRAWING DATE:
07-07-22

CHECKED BY:
IJM

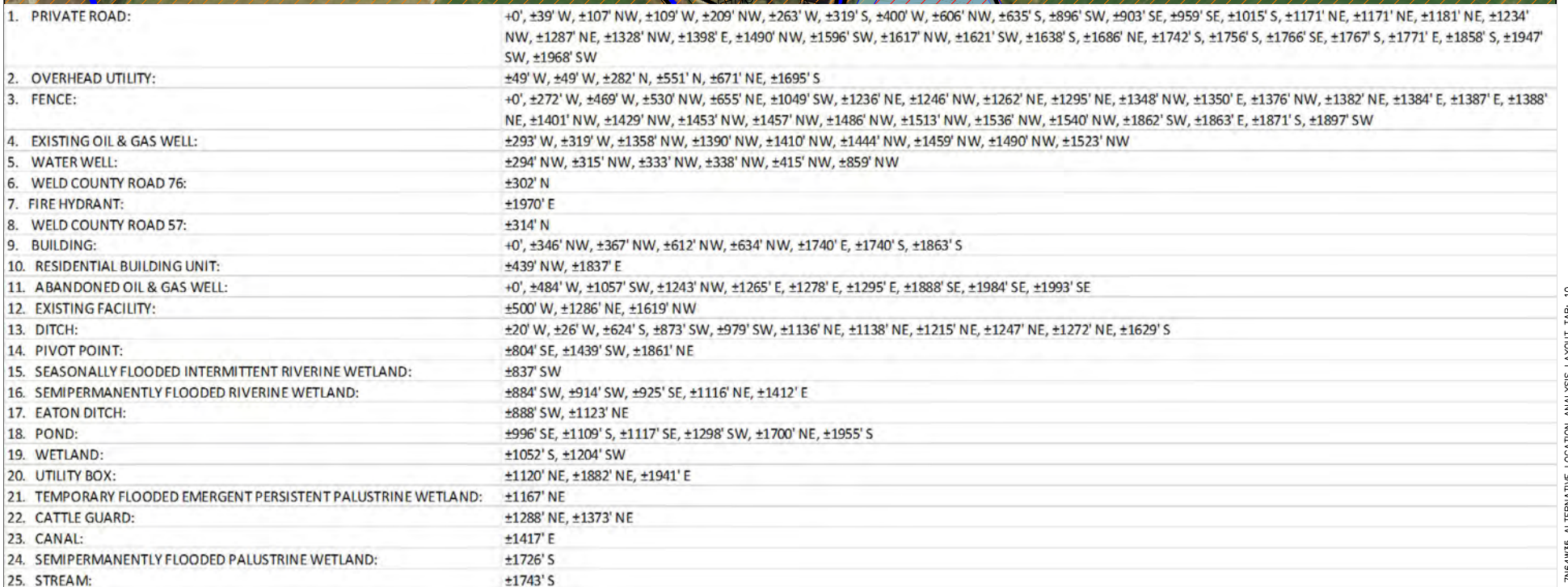
SITE NAME:
ALTERNATIVE LOCATION 9

SURFACE LOCATION:
SEC. 35, T7N, R64W, 6TH P.M.
WELD COUNTY, COLORADO


















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PREPARED FOR:

40.535333, -104.525606



LEGEND:

	= PRODUCING WELL		= FLOW DIRECTION		= STREAM		
	= PLUGGED & ABANDONED WELL		= FENCE		= GATE		
	= WATER WELL		= OVERHEAD UTILITY		= BUFFER ZONES		
	= PIVOT POINT		= DITCH		= EXISTING FACILITY		
	= FIRE HYDRANT		= CANAL		= POND		
	= TEMPORARILY ABANDONED WELL						

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES:
COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

FIELD DATE: 07-09-19	
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SITE NAME:
ALTERNATIVE LOCATION 10
SURFACE LOCATION:
SEC. 35, T7N, R64W, 6TH P.M.
WELD COUNTY, COLORADO

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LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE
DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

PREPARED FOR:

ne noble energy

OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 11
40.524125, -104.491125



1. RESIDENTIAL BUILDING UNIT:	±4' S, ±1170' SE, ±1572' W
2. BUILDING:	±39' E, ±43' S, ±1056' NE, ±1454' NE, ±1479' W, ±1499' NE, ±1580' W, ±1609' NE, ±1788' NE, ±1842' NE, ±1846' NE, ±1963' NE
3. FENCE:	+0', ±40' E, ±123' E, ±285' E, ±314' E, ±359' E, ±1586' SE
4. EXISTING FACILITY:	±117' E, ±1832' SE
5. PRIVATE ROAD:	±123' E, ±199' E, ±325' E, ±327' E
6. WATER WELL:	±150' SE, ±150' SE, ±150' SE, ±653' SE, ±1332' SE, ±1392' SE, ±1445' W, ±1445' W
7. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND:	±181' NE, ±265' E
8. STREAM:	±191' NE
9. WELD COUNTY ROAD 74:	±206' S
10. TEMPORARY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±210' E, ±629' SE, ±1571' NW, ±1938' W
11. DITCH:	±210' NE, ±297' E, ±307' E, ±375' E
12. WELD COUNTY ROAD 61:	±316' E
13. SEMIPERMANENTLY FLOODED PALUSTRINE WETLAND:	±490' E, ±829' SE, ±1410' N
14. POND:	±508' E, ±667' SE, ±1046' NE, ±1622' NE
15. PIVOT POINT:	±643' NW, ±1684' SW
16. ABANDONED OIL & GAS WELL:	±888' S, ±1360' SW, ±1362' SE, ±1609' SW
17. EXISTING OIL & GAS WELL:	+0', ±1449' NE
18. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±1824' NE

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	2	0	10
RESIDENTIAL BUILDING UNIT	1	0	2
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

LEGEND:

◆ = PRODUCING WELL

● = PLUGGED & ABANDONED WELL

○ = TEMPORARILY ABANDONED WELL

⚡ = WATER WELL

▲ = PIVOT POINT

→ = FLOW DIRECTION

—X—X— = FENCE

—OHU— = OVERHEAD UTILITY

— · · — = DITCH

— = STREAM

--- = BUFFER ZONES

--- = EXISTING FACILITY

■ = POND

▨ = HIGH PRIORITY HABITAT - MULE DEER WINTER CONCENTRATION

■ = RESIDENTIAL BUILDING UNIT

■ = BUILDING

▨ = WETLAND

▨ = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION

▭ = ALTERNATIVE SITE BOUNDARY

— = EXISTING PUBLIC ROAD

- - - = EXISTING PRIVATE ROAD

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

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FIELD DATE:
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07-07-22

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SITE NAME:
ALTERNATIVE LOCATION 11

SURFACE LOCATION:
SEC. 36, T7N, R64W, 6TH P.M.
WELD COUNTY, COLORADO

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PREPARED FOR:

OGDP 3
ALTERNATIVE LOCATION ANALYSIS
ALTERNATIVE LOCATION 12
40.536083, -104.490361



1. WELD COUNTY ROAD 61:	±19' E
2. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND:	±117' NE, ±1365' SW, ±1628' N
3. STREAM:	±127' NE, ±1331' SW, ±1627' N
4. PIVOT POINT:	±298' N
5. SEMIPERMANENTLY FLOODED LACUSTRINE WETLAND:	±359' SE, ±906' SE
6. SEMIPERMANENTLY FLOODED PALUSTRINE WETLAND:	±403' E, ±1622' S
7. PERMANENTLY FLOODED RIVERINE WETLAND:	±451' SE, ±1582' N
8. SEASONALLY FLOODED LACUSTRINE WETLAND:	±479' SE
9. DIKED/IMPOUNDED INTERMITTENTLY EXPOSED LACUSTRINE WETLAND:	±677' SW
10. WATER WELL:	±719' SW, ±785' N, ±1472' SE, ±1567' SW, ±1608' SW
11. ABANDONED OIL & GAS WELL:	±791' N, ±884' E, ±1448' SE, ±1835' E
12. TEMPORARY FLOODED PALUSTRINE WETLAND:	±891' N
13. EXISTING FACILITY:	±983' NE
14. TEMPORARY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±1053' SW, ±1538' W, ±1643' SW
15. EXISTING OIL & GAS WELL:	±1055' NE, ±1408' NE
16. RESIDENTIAL BUILDING UNIT:	±1283' S, ±1288' S, ±1294' SE
17. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±1878' SE
18. BUILDING:	±1886' SE, ±1257' SW, ±1142' SW, ±1611' SW, ±1694' SW, ±1971' SW
19. LONG LAKE:	±644' SW
20. POND:	±1037' SE, ±1490' SE

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	0	0	6
RESIDENTIAL BUILDING UNIT	0	0	3
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

LEGEND:

- ◆ = PRODUCING WELL
- = PLUGGED & ABANDONED WELL
- = TAPPED & ABANDONED WELL
- ⚡ = WATER WELL
- ▲ = PIVOT POINT
- = FLOW DIRECTION
- = STREAM
- = BUFFER ZONES
- = EXISTING FACILITY
- = POND/LAKE
- = HIGH PRIORITY HABITAT - MULE DEER WINTER CONCENTRATION
- = RESIDENTIAL BUILDING UNIT
- = BUILDING
- = WETLAND
- = HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION
- = ALTERNATIVE SITE BOUNDARY
- = EXISTING PUBLIC ROAD
- = EXISTING PRIVATE ROAD

CURRENT SURFACE USE: IRRIGATED CROP
FUTURE SURFACE USE: IRRIGATED CROP

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES: COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

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SITE NAME:
ALTERNATIVE LOCATION 12

SURFACE LOCATION:
SEC. 36, T7N, R64W, 6TH P.M.
WELD COUNTY, COLORADO

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PREPARED FOR:

OGDP 3

ALTERNATIVE LOCATION ANALYSIS

ALTERNATIVE LOCATION 13

40.533275, -104.535614



1. SEASONALLY FLOODED INTERMITTENT RIVERINE WETLAND:	±9' N, ±558' SW, ±1145' SW
2. SEASONALLY FLOODED EMERGENT PERSISTENT PALUSTRINE WETLAND:	±15' W, ±727' SW, ±1671' S
3. SEMIPERMANENTLY FLOODED RIVERINE WETLAND:	+0', ±91' NE, ±1030' W, ±1834' E
4. FENCE:	±137' S, ±890' S, ±1077' N, ±1337' NE, ±1474' NE, ±1497' NE, ±1499' NE, ±1510' NE, ±1527' NE, ±1544' NE, ±1561' NE, ±1577' NE, ±1595' NE, ±1606' SE, ±1706' E, ±1708' E, ±1941' NE, ±1946' NE
5. PRIVATE ROAD:	±225' S, ±1460' NE, ±1480' NE, ±1552' E, ±1554' SE, ±1683' NE, ±1697' NE, ±1721' E, ±1759' SE, ±1914' NE, ±1932' NE, ±1957' NE, ±1970' E
6. ABANDONED OIL & GAS WELL:	±321' S, ±582' N, ±1705' E, ±1707' E, ±1878' SW, ±1947' NE
7. WATER WELL:	±563' SW, ±1028' S, ±1911' SW, ±1911' SW
8. STREAM:	±568' SW
9. PIVOT POINT:	±805' E
10. WELD COUNTY ROAD 76:	±1041' N
11. EXISTING OIL & GAS WELL:	±1505' NE, ±1516' NE, ±1534' NE, ±1552' NE, ±1570' NE, ±1585' NE, ±1601' NE, ±1733' SW, ±1995' NE
12. DITCH:	±1564' E
13. EXISTING FACILITY:	±1680' NE, ±1921' NE
14. WETLAND (MAPPED BY ASCENT):	±1696' SE
15. POND:	±1820' SE, ±1913' SE
16. EATON DITCH:	+0'

	0-500 FEET	501-1000 FEET	1001-2000 FEET
BUILDING	0	0	0
RESIDENTIAL BUILDING UNIT	0	0	0
HIGH OCCUPANCY BUILDING UNIT	0	0	0
SCHOOL PROPERTIES	0	0	0
SCHOOL FACILITIES	0	0	0
DESIGNATED OUTDOOR ACTIVITY AREA	0	0	0

LEGEND:

◆

= PRODUCING WELL

●

= PLUGGED & ABANDONED WELL

⬇

= WATER WELL

▲

= PIVOT POINT

→

= FLOW DIRECTION

—X—X—

= FENCE

— · — · —

= DITCH

— — — — —

= STREAM

= BUFFER ZONES

= EXISTING FACILITY

= POND

= FLOODPLAIN

= RESIDENTIAL BUILDING UNIT

= BUILDING

= WETLAND

= HIGH PRIORITY HABITAT - PRONGHORN WINTER CONCENTRATION

= ALTERNATIVE SITE BOUNDARY

= EXISTING PUBLIC ROAD

= EXISTING PRIVATE ROAD

CURRENT SURFACE USE: IRRIGATED CROP

FUTURE SURFACE USE: IRRIGATED CROP

DATA SOURCE:
AERIAL IMAGERY: NAIP 2019
DISPROPORTIONATELY IMPACTED COMMUNITIES:
COGCC

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT
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07-07-22

CHECKED BY:
IJM

SITE NAME:
ALTERNATIVE LOCATION 13

SURFACE LOCATION:
SEC. 34, T7N, R64W, 6TH P.M.
WELD COUNTY, COLORADO

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DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

PREPARED FOR:

noble

energy

PLAT: P:\NOB_B210014\PROD\VA\LA_LOCATION MAPS\LOCATIONDRAWINGS_GODP_3_7N64W35_ALTERNATIVE_LOCATION_ANALYSIS_LAYOUT.TAB: 13