

Chevron Rockies Business Unit

Field Qualitative Criteria for ECMC Reporting Associated with the Discovery of Potentially Impacted Material

If answered **Yes** to any of the questions listed below, this may suggest the presence of potentially impacted materials as outlined in ECMC Rule 912. Out of an abundance of caution, a “Yes” response will be reported to the ECMC within 24 hours after discovery, regardless of laboratory results. **Immediately notify the RBU Remediation Team.** Include a copy of this Field Qualitative Spill Criteria Checklist in the field Report.

Please answer the following questions when on-site:

1. Is there visible petroleum hydrocarbon staining in the soil?
Yes
2. Does the soil sample from the stained area have a petroleum odor?
No
3. Is there a petroleum hydrocarbon sheen on the nearby surface water?
No
4. Does there appear to be a sheen of the surface of accumulated groundwater or seeps within the excavation indicative of petroleum?
No
5. Is stained soil in contact with groundwater?
No

Please Include relevant photos of the site conditions for items 1-5.

Location name: Ball Ranch AC03-68HN (API #05-123-35242)

Please Circle Facility Type: Wellhead / Flowline



Form 19 Information Summary

| | |
|--|--|
| Site Name | Ball Ranch #AC03-68HN Wellhead and Flowline |
| API # | 05-123-35242 |
| REM # | 25962 |
| Facility ID | 428133 |
| Coordinates | 40.609607, -104.429888 (East sidewall) 40.609606, -104.429931 (West sidewall) |
| S/T/R | NWNW/S3/T7N/R63W |
| Cause of Release | Presumed production activities |
| Date of Discovery | May 12, 2025 |
| Spill Type | Historical |
| Land Use | Pastureland |
| Weather Conditions | Sunny and very warm, 90° F |
| Surface Water | Riverine system 0.22 mi N |
| Number of Water Wells within ½ Mile Radius | 0 |
| Distance to Closest Water Well | NA |
| Approximate Depth to Groundwater | > 20 feet |
| Distance to Nearest Wetland | 0.25 miles |
| Sensitive Area / Habitat | Pronghorn Winter Concentration; Riverine 0.25mi N |
| 100 Year Floodplain | No |
| Release in Municipality | No |
| Fluid Released | Presumed production fluids |
| Volume of Release | Unknown |
| Livestock Present | No |
| Closest Building | 1.2 mi NE |
| Soil Type(s) | SW |
| Disposal Facility | N/A – no material removed |
| Excavation Dimensions | N/A – no excavation; hand auguring only |
| <p>Notes: On Monday, May 12, 2025, Montrose personnel mobilized to the former Ball Ranch #AC03-68HN wellhead and flowline location (40.609607, -104.429888) to collect confirmation soil samples and perform soil screening in the vicinity of the former wellhead and associated flowline. Previously, the well was cut and capped, and approximately 315' of the flowline was abandoned-in-place. The location of the soil borings was predetermined based on ECMC regulations and locations of decommissioned facilities. During the advancement of the WH01-E@5' (east wellhead excavation sidewall sample, 40.609607, -104.429888), and WH01-W@5' (west wellhead excavation sidewall sample, 40.609606, -104.429931), stained soils were observed at varying depths between approximately 2.0 and 5.0 feet below ground surface (ft bgs). Odors were not observed. The maximum PID readings for these borings were 1.0 parts per million (ppm), and 0.9 ppm, respectively. Per Chevron guidance, soil samples were collected from these locations and submitted for the full ECMC Table 915-1 suite of analyses on a same-day / 24-hour turnaround time (TAT). Laboratory analyses are pending and will be submitted upon their receipt.</p> | |

| | | | |
|--------------------------------|---|--|-----------------------------|
| Client Name: Chevron | Project Name: Ball Ranch AC03-68HN Wellhead and Flowline | Project Location: 40.609607, -104.429888 | REM Number: 25962 |
|--------------------------------|---|--|-----------------------------|

| | | |
|--------------------|---------------------------|--|
| Photo: 1 | Date: 5/12/2025 | Description: Soil staining in at the WH01-E sidewall sampling location (40.609607, -104.429888) at a depth of approximately five (5) feet bgs (PID: 1.0 ppm). |
|--------------------|---------------------------|--|



| | | |
|--------------------|---------------------------|--|
| Photo: 2 | Date: 5/12/2025 | Description: Soil staining in at the WH01-E sidewall sampling location (40.609607, -104.429888) at a depth of approximately five (5) feet bgs (PID: 1.0 ppm). |
|--------------------|---------------------------|--|



| | | | |
|--------------------------------|---|--|-----------------------------|
| Client Name: Chevron | Project Name: Ball Ranch AC03-68HN Wellhead and Flowline | Project Location: 40.609607, -104.429888 | REM Number: 25962 |
|--------------------------------|---|--|-----------------------------|

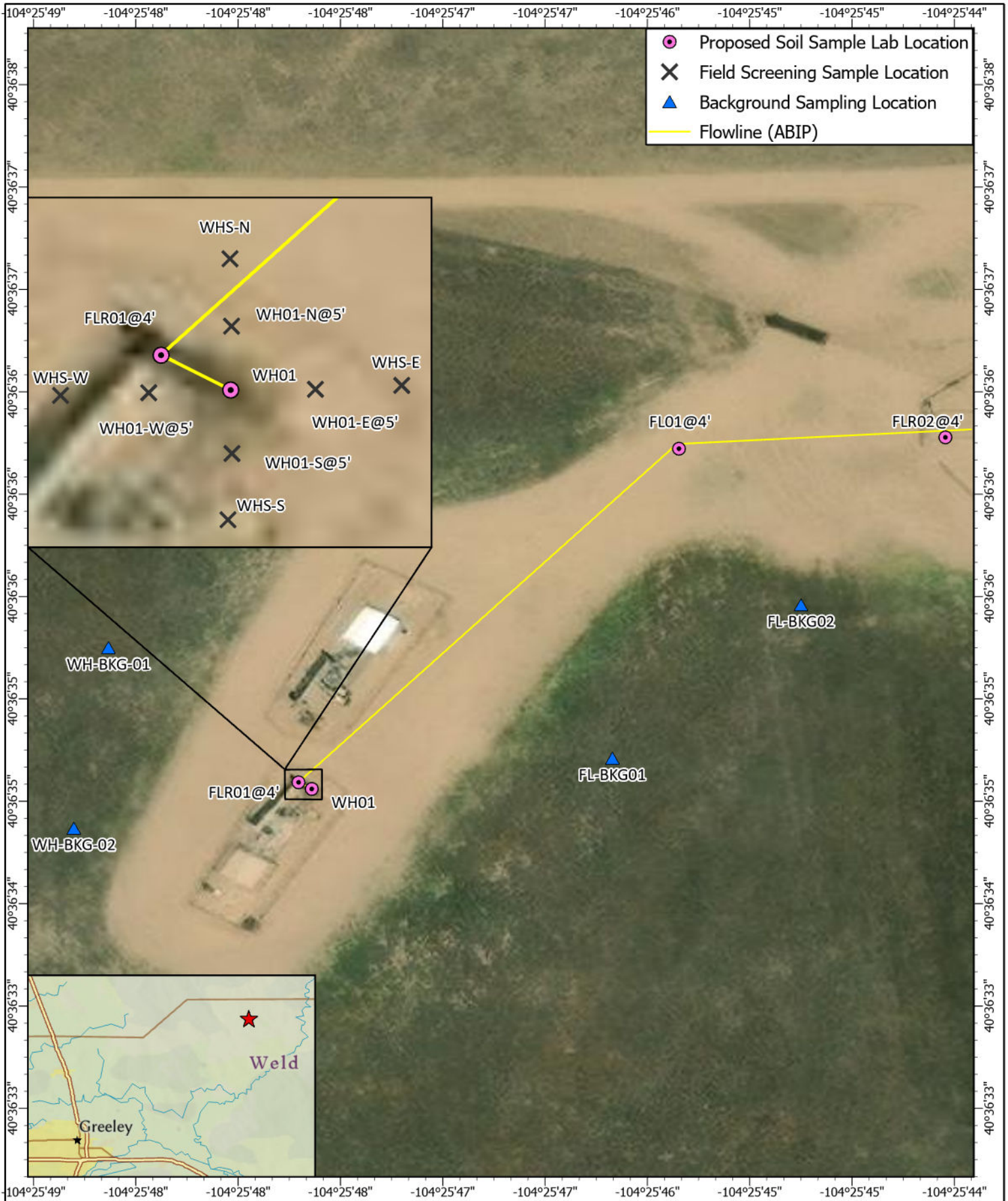
| | | |
|--------------------|---------------------------|--|
| Photo: 3 | Date: 5/12/2025 | Description: Soil staining in at the WH01-W sidewall sampling location (40.609606, -104.429931) at a depth of approximately five (5) feet bgs (PID: 0.9 ppm). |
|--------------------|---------------------------|--|



| | | | |
|--------------------------------|---|--|-----------------------------|
| Client Name: Chevron | Project Name: Ball Ranch AC03-68HN Wellhead and Flowline | Project Location: 40.609607, -104.429888 | REM Number: 25962 |
|--------------------------------|---|--|-----------------------------|

| | | |
|--------------------|---------------------------|--|
| Photo: 4 | Date: 5/12/2025 | Description: Soil staining in at the WH01-W sidewall sampling location (40.609606, -104.429931) at a depth of approximately five (5) feet bgs (PID: 0.9 ppm). |
|--------------------|---------------------------|--|





MONTROSE ENVIRONMENTAL

Montrose Environmental Group
Date: 05/09/25

Reviewed By: R. Bumgardner
Author: H. Spencer

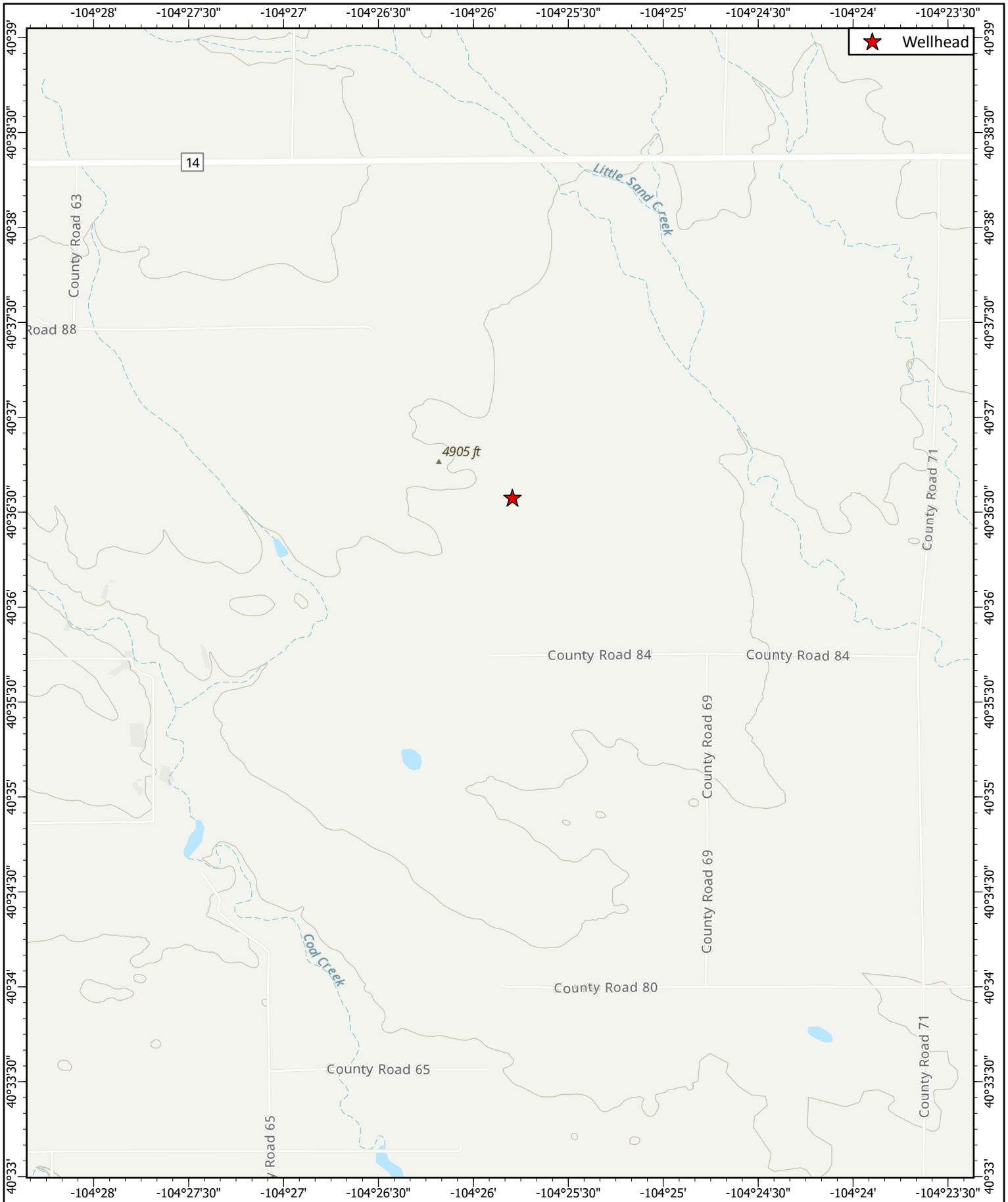
Proposed Soil Sampling Locations
Ball Ranch #AC03-68HN

Noble #100322 Facility Number: 428133
NWNW/S3/T7N/R63W REM Number: 25962
Weld County, Colorado API Number: 05-123-35242

Figure 1

0 25 50 100
Feet

Coord. Sys.: GCS North American 1983



★ Wellhead

14

4905 ft

County Road 84

County Road 84

County Road 69

County Road 80

County Road 65

County Road 71



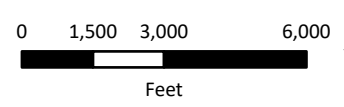
**Topographic Map of
Ball Ranch #AC03-68HN**

Noble-100322 Facility Number: 428133
 NWNW/S3/T7N/R63W REM Number: 25962
 Weld County, Colorado API Number: 05-123-35242

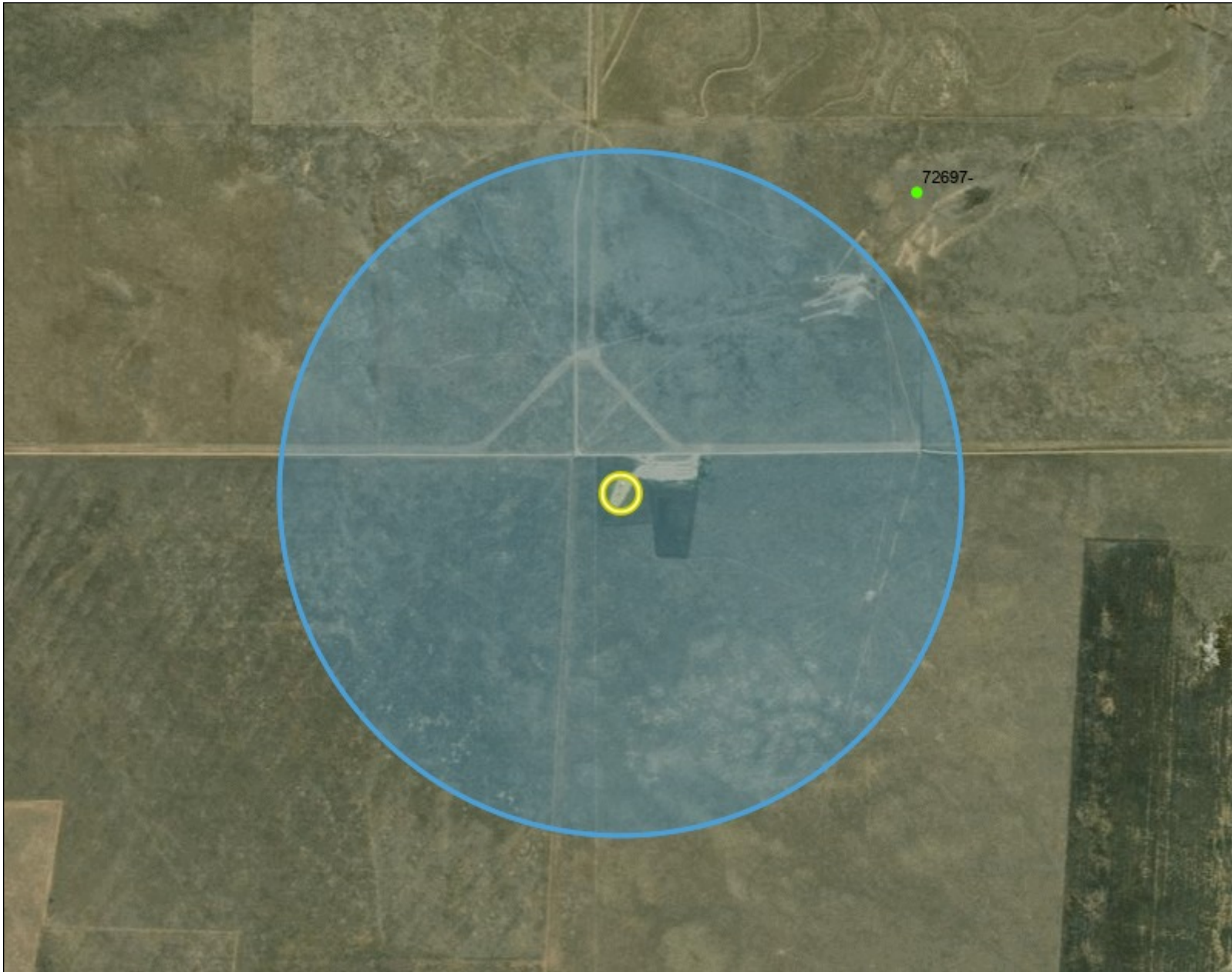
Montrose Environmental Group
Date: 05-13-2025

Reviewed By: R. Bumgardner
Author: R. Bumgardner

Figure 1



Coord. Sys.: GCS North American 1983



Legend

- Surface Water
- ▲ All Points of Interest
- Well Constructed
- Final Permit
- County

Location



Notes

Ball Ranch AC03-68HN

2,339 0 1,169 2,339 Feet



1: 14,032



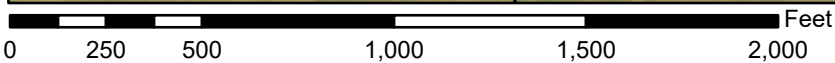
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 5/12/2025 2:38:11 PM

National Flood Hazard Layer FIRMMette



104°26'6"W 40°36'48"N



1:6,000

104°25'29"W 40°36'21"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
| | | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. |

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards








The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **5/12/2025 at 8:40 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



May 12, 2025

Wetlands

- | | | |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

TABLE 1
FIELD DATA SUMMARY TABLE
OPERATOR NOBLE 100322
Ball Ranch #AC03-68HN, WELD COUNTY, COLORADO
REM # 25962

| Sample ID | Sample Date | Depth (ft) | GPS Data Latitude/Longitude | | PDOP Value | VOC Concentration (ppm) |
|-----------|-------------|------------|--------------------------------|--------------|------------|----------------------------|
| WH01-E@5' | 05/12/2025 | 5 | 40.6096002 | -104.4298781 | 1.00 | 1.2 |
| WH01-W@5' | 05/12/2025 | 5 | 40.6095993 | -104.4299212 | 0.90 | 0.9 |

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dillation of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
OPERATOR NOBLE 100322
Ball Ranch #AC03-68HN, WELD COUNTY, COLORADO
REM # 25962

| Sample ID | Sample Date | Depth (ft) | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-Benzene (mg/kg) | Xylenes (mg/kg) | 1,2,4-Trimethyl-Benzene (mg/kg) | 1,3,5-Trimethyl-Benzene (mg/kg) | Naphthalene (mg/kg) | TPH (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) |
|---|-------------|------------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-------------|-----------------|-----------------|-----------------|
| ECMC Table 915-1 Limits (Residential SSL) | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500 | 500** | | |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500 | 500** | | |
| WH01-E@5' | 05/12/2025 | 5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <500 | <50 | <0.50 | <50 |
| WH01-W@5' | 05/12/2025 | 5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <500 | <50 | <0.50 | <50 |

1. Bold values exceed the ECMC Table 915-1 limit(s)

2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

3. * Indicates laboratory minimum detection limit in excess of SSL

4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

(<) = Analytical result is less than the indicated laboratory reporting limit.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

NA - Not analyzed