

NOBLE ENERGY, INC

Third Quarter 2025 Groundwater Monitoring Summary

December 3, 2025

Cornelius 63N65W 11SWNW

SWNW Sec 11, T3N, R65W

40.243751, -104.636822

Remediation # 28380

This groundwater monitoring summary has been prepared by Fremont Environmental, Inc. (Fremont) for the former Cornelius 63N65W 11SWNW tank battery location.

Site History and Background

The site consists of the former Cornelius T3N-R65W-S11 L01 facility, which serviced the Cornelius 11-22 and Cornelius 11-23 natural gas wells. The Cornelius 11-22 natural gas well was drilled in 1995 to a measured depth of approximately 7,705 feet and the Cornelius 11-23 natural gas well was drilled in 1994 to a measured depth of approximately 7,480 feet.

A historical release was discovered at the base of a former on-site produced water vault during decommissioning activities on May 2, 2023. A comprehensive site investigation was undertaken to define the magnitude and extent of soil impacts on February 8, 2024. Five monitoring wells were installed May 20, 2025 to delineate groundwater impacts encountered during the February 2024 site investigation.

Excavation to remove soil impacts at and adjacent to the former produced water vault began on October 13, 2025 and was completed on November 11, 2025. All five monitoring wells were destroyed during the excavation and will be replaced.

Groundwater Monitoring Activities

The third quarter 2025 (Q3 2025) groundwater sampling event was completed at the location on August 11, 2025. Monitoring wells (MW-1 to MW-5) were sampled and submitted to PACE Analytical Laboratory for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, 1,2,4-trimethylbenzene (TMB), and 1,3,5-TMB by EPA Method 8260B, semi volatile organic compounds by EPA Method 8270E-SIM, chloride ion & sulfate ion by EPA Method 9056A and total dissolved solids (TDS) by EPA Method 2540 C-2011.

The laboratory analytical results indicate that Table 915-1 dissolved phase organic constituents were compliant with their respective standards in four of the five wells sampled. One monitoring well (MW-3) was reported with concentrations exceeding the ECMC Table 915-1 standard of 67 µg/L for 1,2,4 trimethylbenzene. The laboratory analytical results indicate that Table 915-1 inorganic constituents, total dissolved solids, chloride, and sulfate comply with their respective standards and/or background concentrations in all five wells sampled. MW-5 is the

furthest upgradient well and has been temporarily selected for background comparison. One monitoring well will be installed in native soil, undisturbed by oil and gas activity, upgradient of the former tank battery, to provide a representative characterization of native groundwater conditions to be used for background comparison.

An eastern point of compliance (POC) has not been established since the wells were installed in May 2025. Two wells are proposed to be installed to the east of MW-3 to provide additional delineation of the impacted extent of groundwater and attempt to establish POC on site to the east.

The groundwater analytical data are summarized in Tables 1 and 2. The site location is illustrated on Figure 1, monitoring well locations are illustrated on Figure 2, groundwater elevations are illustrated on Figure 3, and groundwater chemistry is illustrated on Figure 4 and the proposed background and POC monitoring wells are displayed on Figure 5. Groundwater generally flows from west to east. The groundwater gradient measured at 0.003 ft/ft for the Q3 2025 groundwater sampling event. A copy of the laboratory report, quality control data, and chain-of-custody documentation is included separately.

Current Remediation Strategy and Path Forward

Monitored natural attenuation (MNA) will be implemented at the site to address dissolved-phase groundwater impacts until excavation commences.

Two additional monitoring wells will be installed to the east of MW-3 to establish an eastern POC at the site. Based on the May 2025 data, groundwater flows from west to east at the site. The Operator proposes to install one groundwater monitoring well upgradient (west of MW-5), away from the release location, in an area undisturbed by oil and gas activity to characterize native groundwater conditions for background comparison.

A no further action designation will be requested from the ECMC when remediation criteria have been achieved and following the observation of four consecutive quarters of groundwater compliant with the applicable ECMC Table 915-1 standards under static conditions at the site. The Q3 2025 sampling event marks zero consecutive quarters of ECMC-compliant groundwater at the site.

TABLE OF CONTENTS

Tables

- 1 Summary of Groundwater Organic Chemistry Data
- 2 Summary of Groundwater Inorganic Chemistry Data

Figures

- 1 Site Location Map
- 2 Site Map
- 3 Inferred Groundwater Contour Map
- 4 Groundwater Chemistry With 1,2,4 Trimethylbenzene Isoconcentration Contours
- 5 Proposed Monitoring Wells Map

ANALYTICAL TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
NOBLE 100322
CORNELIUS 63N65W 11SWNW, WELD COUNTY, COLORADO
REM # 28380

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethyl-Benzene (µg/L)	1,3,5-Trimethyl-Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater Below TOC (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67				
GW01	05/02/2023	9	2.2	200	1400	43	460	300	NA	NA	NA	
MW-1	02/08/24	<1.0	<1.0	76	<2.0	19	630	<1.0	NA	10.70	7.70	NP
	05/17/24	DES	DES	DES	DES	DES	DES	DES	DES	DES	DES	DES
	05/20/25	<1.00	<1.00	<1.00	<3.00	<5.00	9.3	1.3	98.44	4.45	93.99	NP
	08/11/25	<1.00	<1.00	<1.00	<3.00	<5.00	<2.00	<1.00		6.09	92.35	NP
MW-2	05/20/25	<1.00	<1.00	<1.00	<3.00	<5.00	2.22	<1.00	100.00	6.40	93.60	NP
	08/11/25	<1.00	<1.00	<1.00	<3.00	<5.00	<2.00	<1.00		7.96	92.04	NP
MW-3	05/20/25	<1.00	<1.00	128	306	17.6	1040	309	97.50	4.00	93.50	NP
	08/11/25	<1.00	<1.00	11.2	19.2	<5.00	167	32.7		5.53	91.97	NP
MW-4	05/20/25	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	98.10	4.32	93.78	NP
	08/11/25	<1.00	<1.00	<1.00	<3.00	<5.00	<2.00	<1.00		6.03	92.07	NP

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Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethyl-Benzene (µg/L)	1,3,5-Trimethyl-Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater Below TOC (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67				
MW-5	05/20/25	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	98.30	4.49	93.81	NP
	08/11/25	<1.00	<1.00	<1.00	<3.00	<5.00	<2.00	<1.00		6.19	92.11	NP

Notes:

1. Groundwater standards referenced from 2 CCR 404-1, Table 915-1, January 15, 2021.
2. Depth to water measurements were measured from ground surface for excavation samples. Monitoring well measurements were collected from top of casing.

ECMC = Colorado Energy and Carbon Management Commission

LNAPL = Light Non-Aqueous Phase Liquid

µg/L = Micrograms per liter

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

ft. = Feet

bgs = below ground surface

NM = Not measured

ND = Not detected

NA = Constituent not analyzed

Red highlighted groundwater analytical values indicate an exceedance of ECMC Groundwater Standard

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

TABLE 2
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE 100322
CORNELIUS 63N65W 11SWNW, WELD COUNTY, COLORADO
REM # 28380

Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
MW-1	5/20/25	1830	374	512
	8/11/25	1560	292	433
MW-2	5/20/25	1980	388	599
	8/11/25	1300	271	406
MW-3	5/20/25	1310	266	288
	8/11/25	1760	327	431
MW-4	5/20/25	1700	319	458
	8/11/25	1990	299	433

TABLE 2
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE 100322
CORNELIUS 63N65W 11SWNW, WELD COUNTY, COLORADO
REM # 28380

Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
MW-5	5/20/25	2200	392	604
	8/11/25	1760	284	461
Maximum BKG Concentration x1.25		2750.0	490.0	755.0

1. Groundwater standards referenced from 2 CCR 404-1, Table 915-1, January 15, 2021.

ECMC = Colorado Energy and Carbon Management Commission

mg/L = Milligrams per liter

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

ft. = feet

bgs = below ground surface

NM = Not measured

NA = Constituent not analyzed

BKG = Background

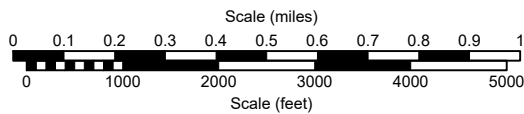
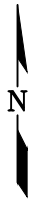
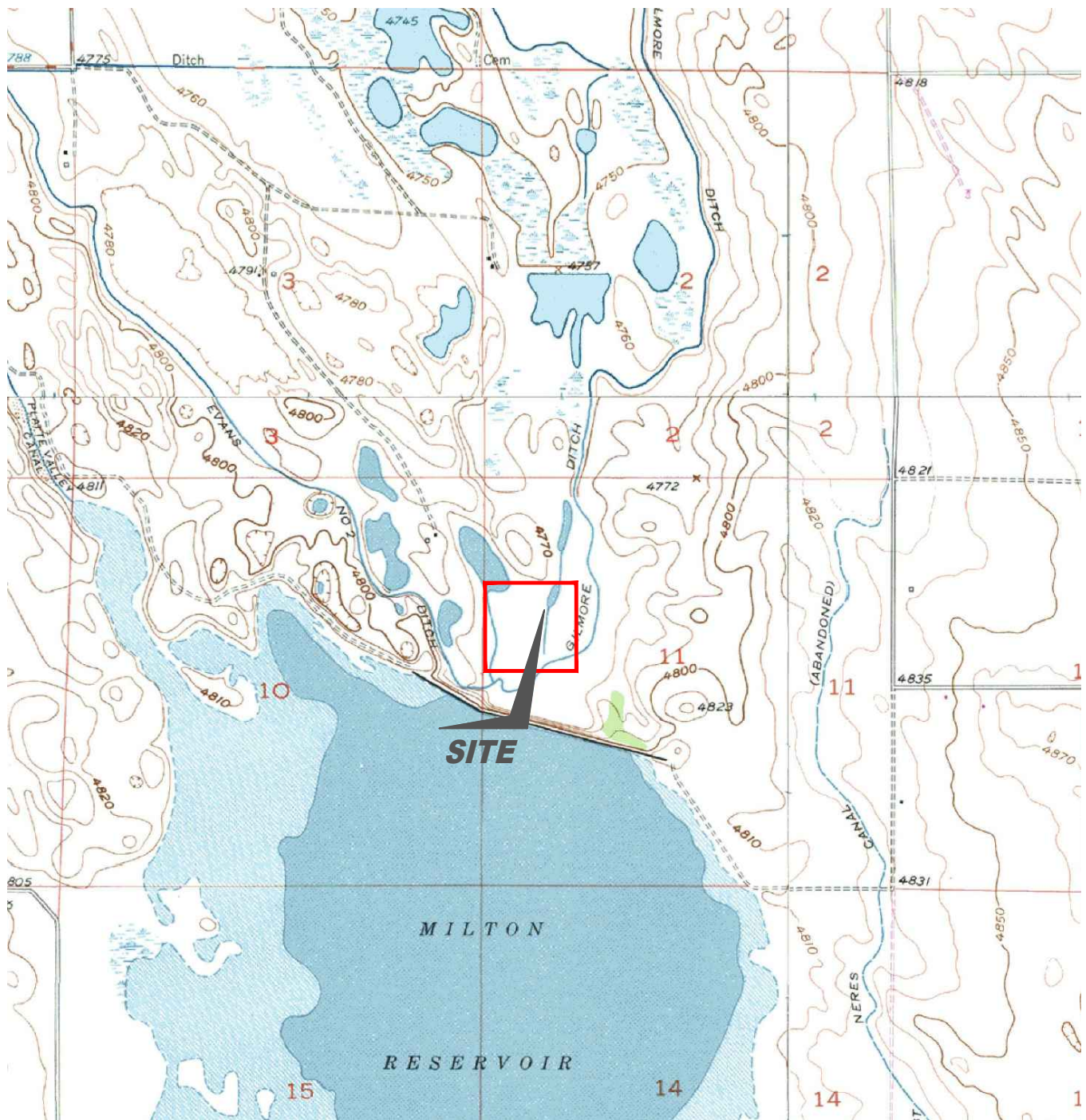
Up-gradient and/or cross-gradient well location used for background concentration.

Maximum historic background concentration used to compare to site inorganic parameters

Bold faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.

Bold faced values exceed the ECMC Table 915-1 limit(s) and greater than 1.25x background concentrations.

FIGURES

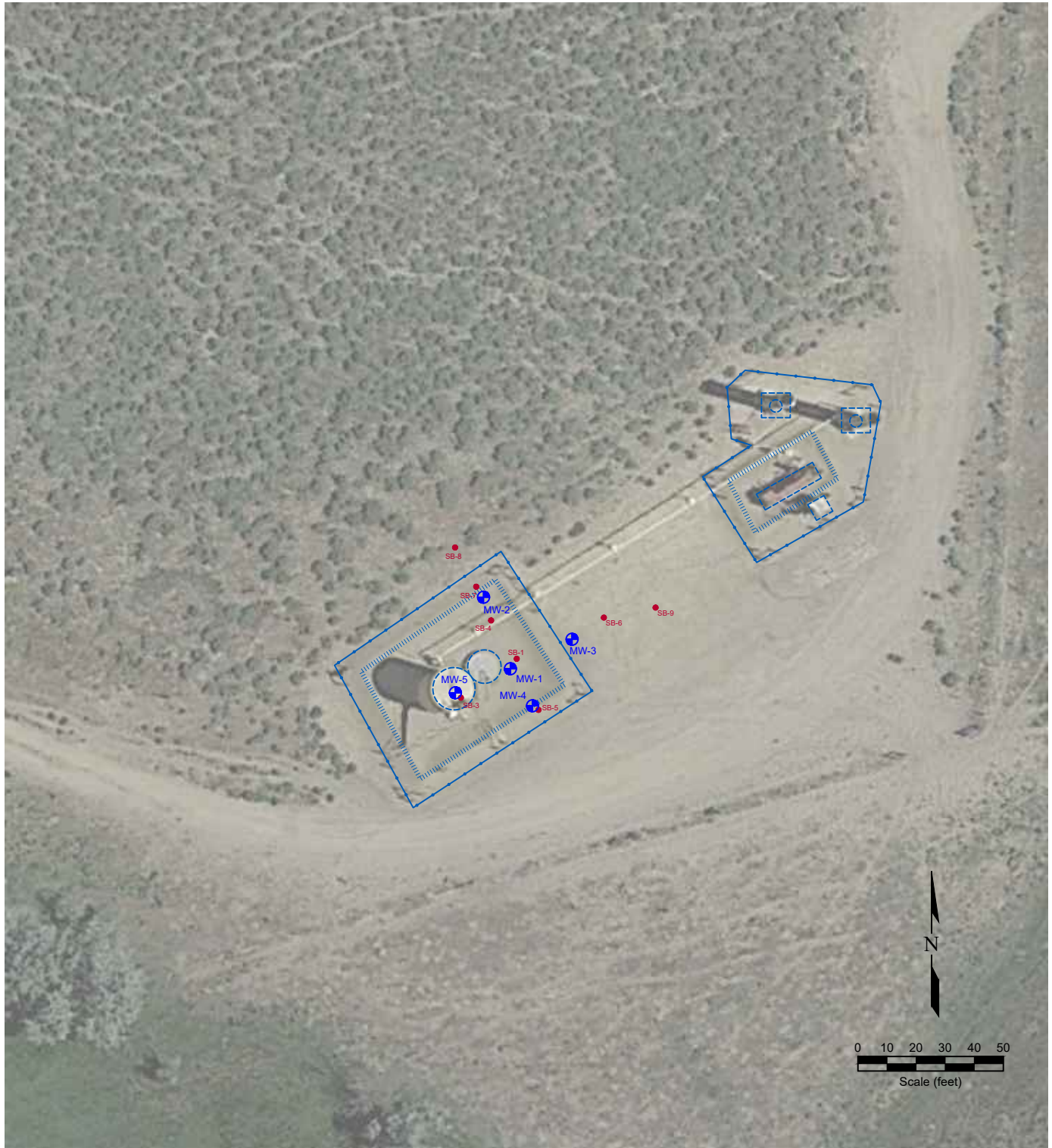


USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP
Q3 2025 Groundwater Monitoring
NOBLE ENERGY INC - CORNELIUS-63N65W 11SWNW
 SWNW Sec. 11, T3N, R65W, 6th PM
 Weld County, Colorado
 40.243751°, -104.636822°

Project # CO23-125	API #	Facility # 332721
Date 11/24/2025	Remediation # 28380	Filename 23125T





LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ⊕ MONITORING WELL LOCATION
- ⊕ DESTROYED MONITORING WELL
- FORMER FACILITY
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

Figure 2
SITE MAP
Q3 2025 Groundwater Monitoring
NOBLE ENERGY INC - CORNELIUS-63N65W 11SWNW
 SWNW Sec. 11, T3N, R65W, 6th PM
 Weld County, Colorado
 40.243751°, -104.636822°

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Date 11/24/2025	Remediation # 28380	Filename 23125Q2	



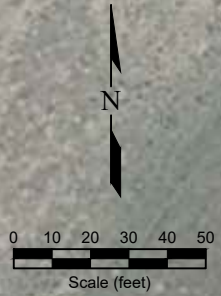
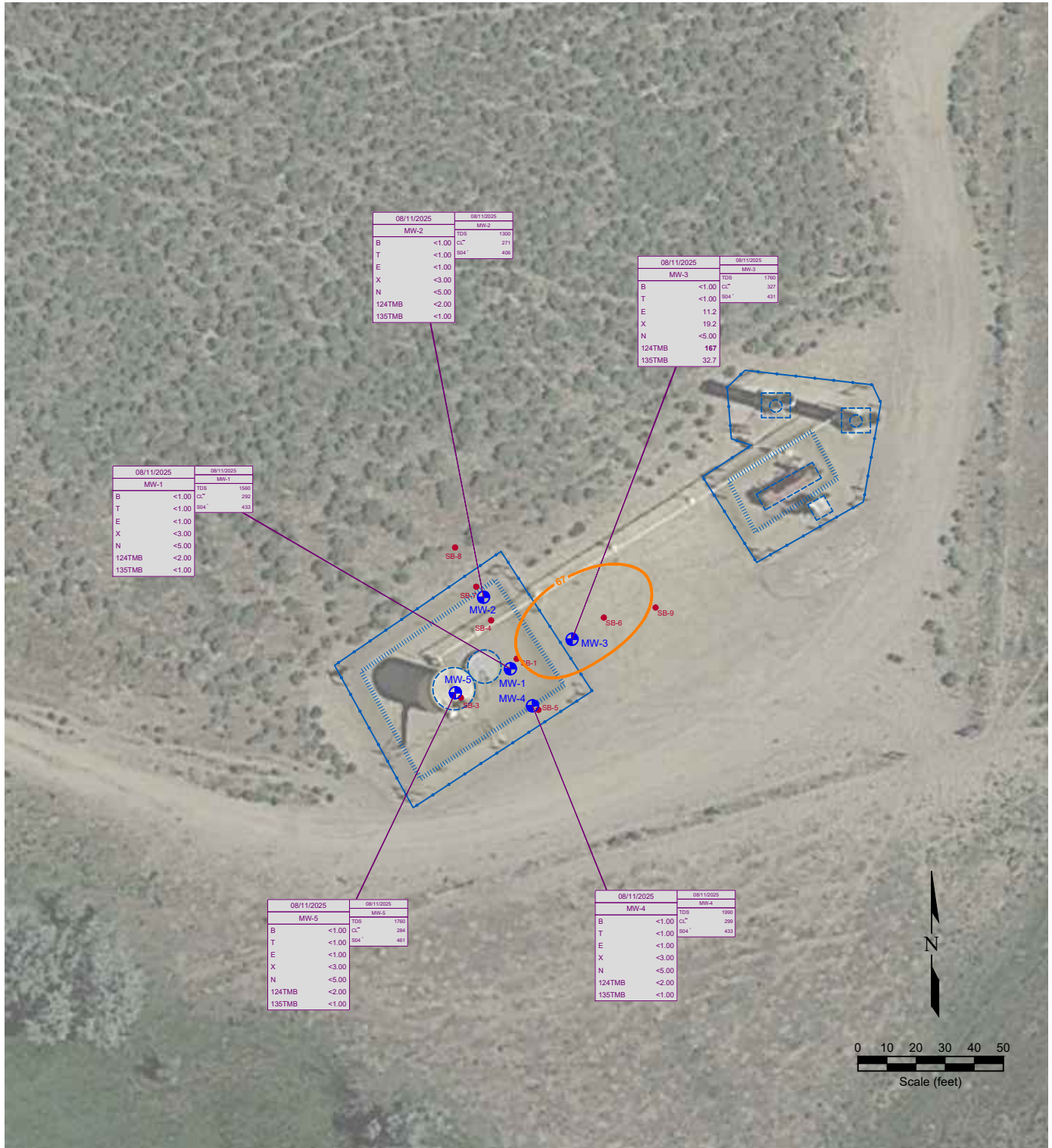
LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ⊕ MONITORING WELL LOCATION
- ⊕ DESTROYED MONITORING WELL
- FORMER FACILITY
- CONTAINMENT BERM
- CONTAINMENT WALL
- FENCE LINE
- GROUND WATER ELEVATION (ft above arbitrary datum)
- NOT MEASURED
- WATER TABLE CONTOUR
- GROUND WATER FLOW DIRECTION

Figure 3
INFERRED GROUNDWATER CONTOUR MAP
August 11, 2025
Q3 2025 Groundwater Monitoring
NOBLE ENERGY INC - CORNELIUS-63N65W 11SWNW
 SWNW Sec. 11, T3N, R65W, 6th PM
 Weld County, Colorado
 40.243751°, -104.636822°

Project No. CO23-125	API #	Facility # 332721
Date 11/24/2025	Remediation # 28380	Filename 23125Q2





LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ⊕ MONITORING WELL LOCATION
- ⊕ DESTROYED MONITORING WELL
- FORMER FACILITY
- CONTAINMENT BERM
- CONTAINMENT WALL
- FENCE LINE

08/11/2025		DATE SAMPLED	
MW-1		SAMPLE ID	
B	<1.00	BENZENE (ug/L)	
T	<1.00	TOLUENE (ug/L)	
E	<1.00	ETHYLBENZENE (ug/L)	
X	<3.00	TOTAL XYLENES (ug/L)	
N	<5.00	NAPHTHALENE (ug/L)	
124TMB	9.9	1,2,4-TRIMETHYLBENZENE (ug/L)	
135TMB	1.9	1,3,5-TRIMETHYLBENZENE (ug/L)	

08/11/2025		DATE SAMPLED	
MW-3		SAMPLE ID	
TDS	1760	TOTAL DISSOLVED SOLIDS (mg/L)	
CL ⁻	307	CHLORIDE ION (mg/L)	
SO4 ⁻	431	SULFATE ION (mg/L)	

Figure 4
GROUNDWATER CHEMISTRY MAP
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 SWNW Sec. 11, T3N, R65W, 6th PM
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LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ◻ FORMER FACILITY
- FENCE LINE
- ⊕ MONITORING WELL LOCATION
- ⊕ DESTROYED MONITORING WELL
- ⊕ PROPOSED MONITORING WELL
- ▤ CONTAINMENT BERM
- CONTAINMENT WALL

Figure 5
PROPOSED MONITORING WELLS MAP
Q3 2025 Groundwater Monitoring
NOBLE ENERGY INC - CORNELIUS-63N65W 11SWNW
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