

# FREMONT ENVIRONMENTAL INC.

December 27, 2024

Mr. Daniel Peterson  
Noble Energy Inc.  
2115 117<sup>th</sup> Ave  
Greeley, CO 80634

Subject:     **Excavation Report**  
              CDOT F 1-10  
              API # 05-123-25082  
              NWSE Sec. 1, T5N, R65W  
              Weld County, Colorado  
              Fremont Project No. C024-010  
              Remediation # 31034

Dear Mr. Peterson:

Enclosed please find a copy of the above referenced Excavation Report for the CDOT F 1-10 release location in Weld County, Colorado. The enclosed report describes excavation actions to remediate impacted soil and groundwater at the site.

Please contact me at (603) 477-6907 if you require any additional information.

Fremont appreciates the opportunity to provide this service.

Sincerely,  
**FREMONT ENVIRONMENTAL INC.**



Ethan D. Black, PG  
Consultant

Enclosure

**EXCAVATION REPORT**  
**NOBLE ENERGY INC.**  
**CDOT F 1-10**  
**WELD COUNTY, COLORADO**  
**FREMONT PROJECT NO. C024-010**  
**API #05-123-25082, REMEDIATION #31034**

**Prepared by:**

**Fremont Environmental Inc.**  
**1759 Redwing Lane**  
**Broomfield, CO 80020**  
**(303) 956-8714**

**December 27, 2024**

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**EXCAVATION REPORT**  
**NOBLE ENERGY INC.**  
**CDOT F 1-10**  
**WELD COUNTY, COLORADO**  
**FREMONT PROJECT NO. C024-010**  
**API #05-123-25082, REMEDIATION #31034**

**1.0 INTRODUCTION**

The purpose of this document is to present information collected during the excavation of impacted soil at the CDOT F 1-10 (CDOT) flowline wellhead riser release location in Weld County, Colorado. Excavation of impacted soil was completed on December 10, 2024.

**2.0 BACKGROUND INFORMATION**

**2.1 Site Location**

The CDOT F 1-10 site is located approximately 5.38 miles east of Greeley, Colorado in Weld County as shown on Figure 1. The site is located in an industrial area approximately 0.39 miles west of the intersection of County Road 60 1/2 and County Road 49. The location is further described as the NW ¼ of the SE ¼ of Section 1, Township 5N, Range 65W.

**2.2 Site History**

The CDOT F 1-10 wellhead was completed in 2007 to a measured depth of 7,075 feet. Laboratory analytical data indicated a historical release occurred along the CDOT F 1-10 decommissioned flowline adjacent to the wellhead. Excavation was undertaken following the discovery of the release to remove soil impacts observed at the release location.

### **3.0 FIELD ACTIVITIES**

Remediation efforts consisted of the excavation of impacted soil at and adjacent to the release area. The subsurface generally consisted of three feet of clay underlain by one foot feet of poorly-graded sand. Groundwater was not encountered within the excavation.

Excavation of the release area began on September 19, 2024 and was completed on December 10, 2024. Six soil samples were collected at the CDOT location at a depths of three, and four feet and field screened using a photoionization detector (PID). All soil samples collected within the excavation were submitted for laboratory analysis.

The soil samples were analyzed by Summit Scientific Laboratory Inc. in Golden, Colorado for benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene, trimethylbenzenes, total petroleum hydrocarbons (TPH) - gasoline range organics (TPH-GRO) by EPA Method 8260B, and TPH - diesel range organics (TPH-DRO) and TPH - residual range organics (TPH-ORO) by EPA Method 8015, polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270D, pH by APHA/ASTM/EPA methods, Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction for calculated analysis of sodium absorption ratio (SAR), electrical conductivity (EC) by EPA Method 120.1, Saturated Paste Extraction, boron (hot water soluble) and Table 915-1 metals by EPA 6020B. The laboratory's reports and chain-of-custody documentation are included as separated attachments and summarized in Tables 2 to 5.

The laboratory analyses indicate that petroleum constituents in soil samples collected from the excavation achieved the ECMC Table 915-1 Protection of Groundwater Standards (PGSSLs) for organic petroleum constituents. However, the E2 Wall 3FT sample collected within the excavation exceeded the ECMC Table 915-1 Residential Soil Screening Levels (RSSLs) for arsenic, and the sample exceeded the Table 915-1 Protection of Groundwater Soil Screening Levels (PGSSLs) for barium, cadmium, selenium, and

lead, and the Floor 4FT sample exceeded the Table 915-1 Soil Suitability for Reclamation (SSR) standard for pH.

Approximately 53 cubic yards of impacted soil were removed via backhoe by 4X Industrial during the excavation. The impacted soil was disposed of at the Buffalo Ridge Landfill in Keenesburg, Colorado as non-hazardous waste. The excavation was backfilled using clean, imported fill.

#### **4.0 DISCUSSION**

As demonstrated by soil sampling, petroleum-impacted soil was removed from the release area at the Elise location by excavation. This was confirmed by the analyses of soil samples collected from the excavation which were below the ECMC Table 915-1 PGSSLs for organic petroleum constituents.

Approximately 53 cubic yards of impacted soil were removed and transported to the landfill. The soil data are illustrated and summarized in the attached tables and figures. Elevated concentrations of metals and SSR constituents greater than the Table 915-1 standards remain in situ in two of six excavation confirmation sample locations. Since elevated levels of arsenic, barium, cadmium, selenium, and lead exceeding the Table 915-1 standards were observed in both the excavation samples and background samples, and concentrations of arsenic, barium, cadmium, selenium, and lead in the E2 Wall 3 Ft sample was less than 125% of the maximum background arsenic, barium, cadmium, selenium, and lead concentrations, and pH in the Floor 4 Ft sample was less than the maximum background concentration it is proposed that elevated metals and pH concentrations be attributed to native soil conditions.

**5.0 REMARKS**

The discussion and conclusions contained in this report represent our professional opinions. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

This report was prepared by **FREMONT ENVIRONMENTAL INC.**



12/27/24

Date \_\_\_\_\_

\_\_\_\_\_  
Ethan D. Black, PG

Geologist

Reviewed by:



12/27/24

Date \_\_\_\_\_

\_\_\_\_\_  
Paul V. Henehan, P.E.

Senior Consultant

## TABLES

**TABLE 1**  
**FIELD DATA SUMMARY TABLE**  
**NOBLE 100322**  
**CDOT F 1-10, WELD COUNTY, COLORADO**  
**REM # 31034**

Sample ID	Sample Date	Depth (ft)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
FL01 3'	01/12/2024	3	40.4261666	-104.6090102	-	0.0
FL02 3'	01/12/2024	3	40.4259994	-104.6086077	-	0.0
E Wall 3 Ft	9/19/2024	3	40.4261700	-104.6090000	0.90	3.4
Floor 4 Ft	9/19/2024	4	40.4261600	-104.6090000	-	0.0
N Wall 3 Ft	9/19/2024	3	40.4261800	-104.6090000	0.90	1.2
S Wall 3 Ft	9/19/2024	3	40.4261400	-104.6090000	0.90	0.8
W Wall 3 Ft	9/19/2024	3	40.4261600	-104.6090000	0.90	3.5
E2 Wall 3 Ft	12/10/2024	3	40.4261696	-104.6089857	0.80	0.0
BKG01 3'	01/12/2024	3	40.4259800	-104.6080000	-	0.0
BKG02 3'	01/12/2024	3	40.4259500	-104.6080000	-	0.0
BKG03 3'	01/12/2024	3	40.4258700	-104.6090000	-	0.0
BKG04 3'	01/12/2024	3	40.4261500	-104.6090000	-	0.0
BKG05 3'	01/12/2024	3	40.4261700	-104.6080000	-	0.0

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 Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

Material excavated and transported off site for disposal.

TABLE 2  
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA  
NOBLE 100322  
CDOT F 1-10, WELD COUNTY, COLORADO  
REM # 31034

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**		
FL01 3'	01/12/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL02 3'	01/12/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
E Wall 3FT	09/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA	NA	NA	NA	NA
Floor 4FT	09/19/2024	4	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA	NA	NA	NA	NA
N Wall 3FT	09/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA	NA	NA	NA	NA
S Wall 3FT	09/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA	NA	NA	NA	NA
W Wall 3FT	09/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA	NA	NA	NA	NA
E2 Wall 3FT	12/10/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<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

Material excavated and transported off site for disposal.

TABLE 3  
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA  
NOBLE 100322  
CDOT F 1-10, WELD COUNTY, COLORADO  
REM # 31034

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
FL01 3'	01/12/2024	3.0 Ft	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL02 3'	01/12/2024	3.0 Ft	<0.00500	0.00605	<b>0.0122</b>	0.0132	0.016	0.00675	0.012	<0.00500	0.0307	<0.00500	<0.00500	0.0288	<0.00500	<0.00500
E Wall 3FT	09/19/2024	3	0.0174	0.0183	<b>0.063</b>	0.0367	0.0571	0.0219	0.0571	0.00756	0.136	0.0184	0.0367	0.103	<0.00500	0.00501
Floor 4FT	09/19/2024	4	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
N Wall 3FT	09/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
S Wall 3FT	09/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
W Wall 3FT	09/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
E2 Wall 3FT	12/10/2024	3	<0.00500	<0.00500	0.0061	0.00574	<0.00500	0.0164	0.0125	<0.00500	0.0122	<0.00500	0.00677	0.0115	<0.00500	<0.00500

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

Material excavated and transported off site for disposal.

**TABLE 4**  
**SUMMARY OF SOIL SUITABILITY FOR RECLAMATION**  
**NOBLE 100322**  
**CDOT F 1-10, WELD COUNTY, COLORADO**  
**REM # 31034**

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
FL01 3'	01/12/2024	3.0 Ft	<b>9.06</b>	0.114	0.0587	<2.00
FL02 3'	01/12/2024	3.0 Ft	8.13	0.278	0.456	<2.00
E Wall 3FT	09/19/2024	3	8	NA	NA	NA
Floor 4FT	09/19/2024	4	<b>8.89</b>	NA	NA	NA
N Wall 3FT	09/19/2024	3	7.86	NA	NA	NA
S Wall 3FT	09/19/2024	3	8.01	NA	NA	NA
W Wall 3FT	09/19/2024	3	7.79	NA	NA	NA
E2 Wall 3FT	12/10/2024	3	7.88	0.611	0.708	<2.00
BKG 3'	01/12/2024	3.0 Ft	<b>9.09</b>	0.109	0.0695	<2.00
BKG01 3'	01/12/2024	3.0 Ft	<b>8.93</b>	0.134	0.0409	<2.00
BKG02 3'	01/12/2024	3.0 Ft	<b>8.38</b>	0.331	0.688	<2.00
BKG03 3'	01/12/2024	3.0 Ft	8.27	0.482	0.401	<2.00
BKG04 3'	01/12/2024	3.0 Ft	<b>8.43</b>	0.352	0.253	<2.00
BKG05 3'	01/12/2024	3.0 Ft	<b>8.33</b>	0.404	0.884	<2.00
Maximum Background Concentration			9.09	NA	NA	NA

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

2. **Bold** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.

3. Brown highlighted soil analytical values indicate a regulatory exceedance.

NA - Not analyzed

Material excavated and transported off site for disposal.

TABLE 5  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
NOBLE 100322  
CDOT F 1-10, WELD COUNTY, COLORADO  
REM # 31034

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
FL01 3'	01/12/2024	3.0 Ft	<b>0.632</b>	14.7	<0.200	<0.30	<0.400	1.21	0.583	<0.260	<0.0200	1.88
FL02 3'	01/12/2024	3.0 Ft	<b>1.5</b>	<b>131</b>	0.287	<0.30	2.93	11.4	2.67	<b>0.301</b>	0.0734	11.8
E2 Wall 3FT	12/10/2024	3	<b>5</b>	<b>122</b>	<b>0.437</b>	<0.30	8.26	<b>14.1</b>	6.85	<b>0.517</b>	0.0857	33
BKG 3'	01/12/2024	3.0 Ft	<b>1.19</b>	15.6	<0.200	<0.30	1.36	1.76	0.875	<0.260	<0.0200	2.84
BKG01 3'	01/12/2024	3.0 Ft	<b>0.852</b>	11	<0.200	<0.30	0.504	0.995	0.698	<0.260	<0.0200	2.84
BKG02 3'	01/12/2024	3.0 Ft	<b>3.55</b>	79.6	0.287	<0.30	6.02	9.05	4.9	<0.260	0.0502	24.1
BKG03 3'	01/12/2024	3.0 Ft	<b>5.92</b>	<b>141</b>	<b>0.478</b>	<0.30	8.2	13.7	6.82	<b>0.385</b>	0.0948	30
BKG04 3'	01/12/2024	3.0 Ft	<b>7.29</b>	<b>155</b>	<b>0.587</b>	<0.30	9.38	<b>16.8</b>	7.71	<b>0.457</b>	0.114	33.3
BKG05 3'	01/12/2024	3.0 Ft	<b>4.71</b>	<b>115</b>	<b>0.428</b>	<0.30	7.73	12.4	6.19	<b>0.401</b>	0.0784	32.2
1.25x Maximum Background Concentration			9.11	194	0.734	NA	NA	21.0	NA	0.571	NA	NA

- Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
- Red** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.
- Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
- Non-detect background results accounted for in the highest background concentration by using the reporting limit.

ECMC = Energy & Carbon Management Commission

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

mg/kg = Milligrams per kilogram

ft. = Feet

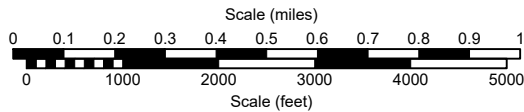
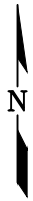
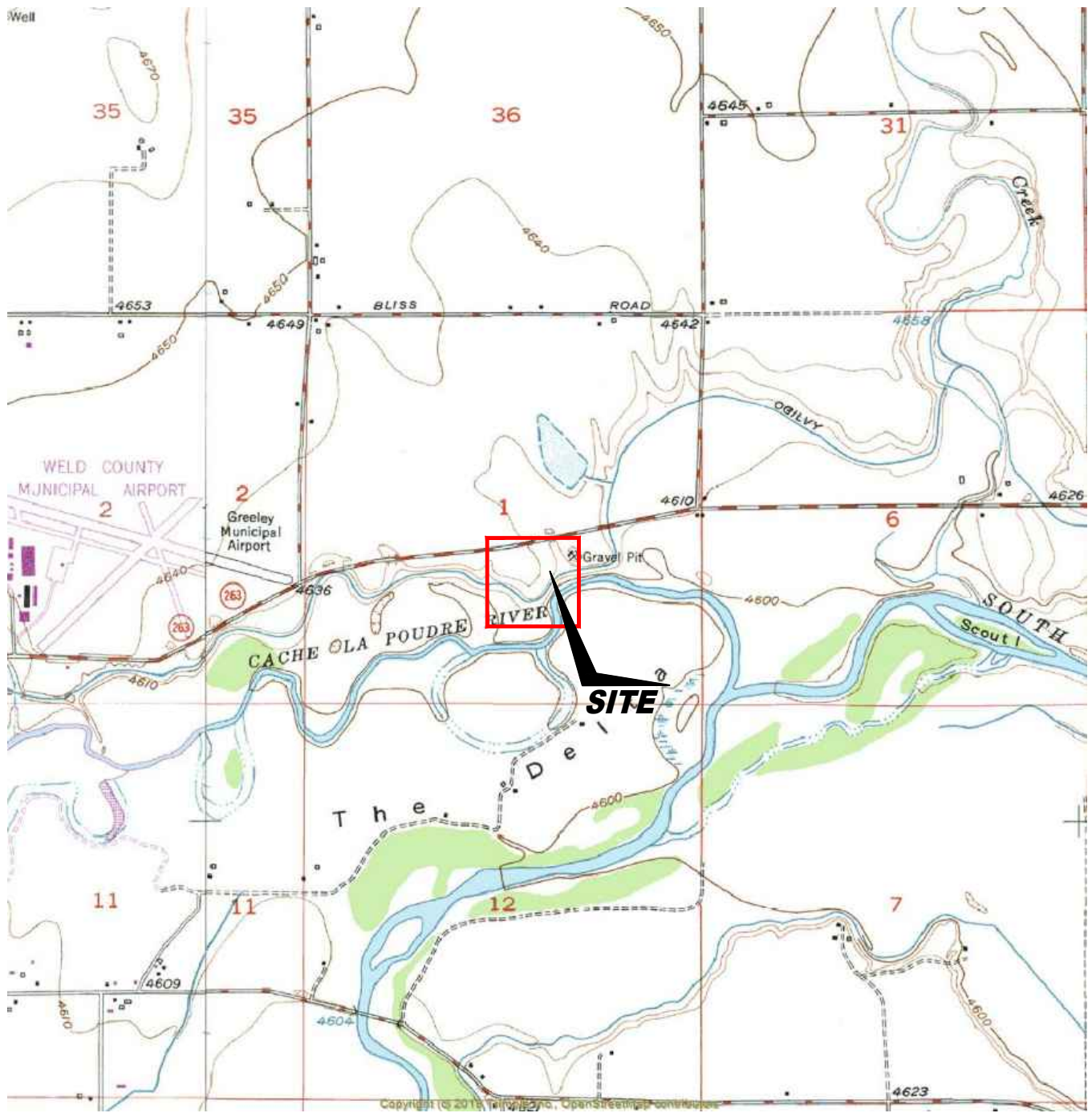
bgs = Below ground surface

\* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

Material excavated and transported off site for disposal.

## FIGURES



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1  
**SITE LOCATION MAP**  
**NOBLE ENERGY INC ~ CDOT F 1-10**

NWSE Sec. 1, T5N, R65W, 6th PM  
 Weld County, Colorado  
 40.426156°, -104.609012°

Project # <b>C024-010</b>	API # <b>05-123-25082</b>	Facility #
Date <b>12/9/24</b>	Remediation # <b>31034</b>	Filename <b>24010T</b>





**LEGEND**

- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- ▭ FORMER FACILITY
- ▨ EXCAVATED AREA
- FORMER FLOW LINE
- FENCE LINE
- ▭ CONTAINMENT BERM
- ▭ EXTENT OF EXCAVATION

**Figure 2  
SITE MAP**

**NOBLE ENERGY INC ~ CDOT F 1-10**

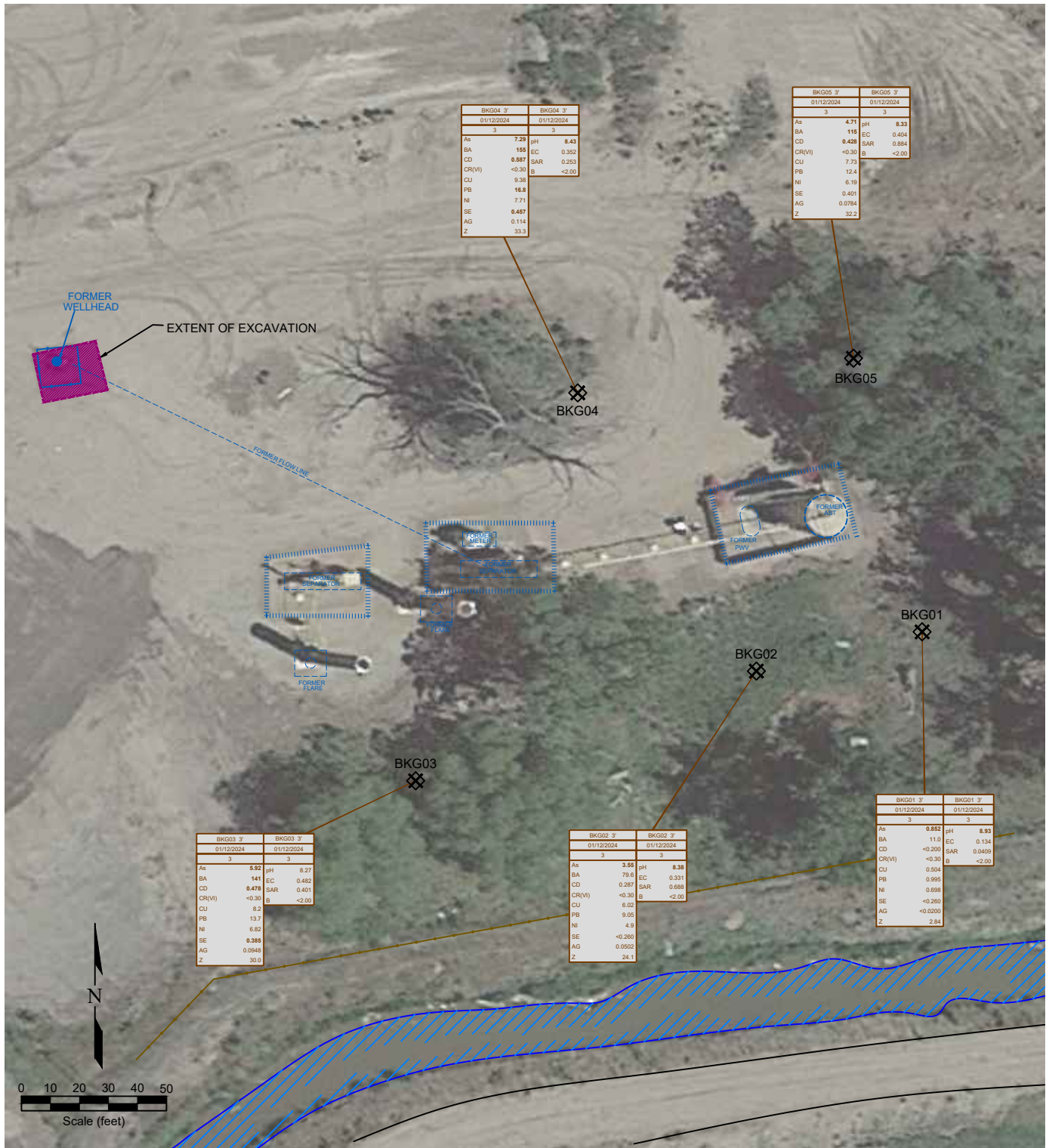
NWSE Sec. 1, T5N, R65W, 6th PM  
Weld County, Colorado

40.426156°, -104.609012°

Project No. <b>C024-010</b>	API # <b>05-123-25082</b>	Facility #
Date <b>12/29/24</b>	Remediation # <b>31034</b>	Filename <b>24010QE</b>







BKG04 3'		BKG04 3'	
01/12/2024		01/12/2024	
3		3	
As	7.29	pH	8.43
BA	165	EC	0.352
CD	0.887	SAR	0.253
CR(VI)	<-0.30	B	<2.00
CU	9.38		
PB	16.3		
Ni	7.71		
SE	0.457		
AG	0.114		
Z	33.3		

BKG05 3'		BKG05 3'	
01/12/2024		01/12/2024	
3		3	
As	4.71	pH	8.33
BA	118	EC	0.404
CD	0.428	SAR	0.884
CR(VI)	<-0.30	B	<2.00
CU	7.73		
PB	12.4		
Ni	6.19		
SE	0.401		
AG	0.0784		
Z	32.2		

BKG03 3'		BKG03 3'	
01/12/2024		01/12/2024	
3		3	
As	5.92	pH	8.27
BA	141	EC	0.482
CD	0.478	SAR	0.401
CR(VI)	<-0.30	B	<2.00
CU	8.2		
PB	13.7		
Ni	6.82		
SE	0.388		
AG	0.0948		
Z	30.0		

BKG02 3'		BKG02 3'	
01/12/2024		01/12/2024	
3		3	
As	3.58	pH	8.38
BA	79.0	EC	0.331
CD	0.287	SAR	0.688
CR(VI)	<-0.30	B	<2.00
CU	6.02		
PB	9.05		
Ni	4.9		
SE	<0.280		
AG	0.0502		
Z	24.1		

BKG01 3'		BKG01 3'	
01/12/2024		01/12/2024	
3		3	
As	0.882	pH	8.93
BA	11.0	EC	0.194
CD	<-0.200	SAR	0.0418
CR(VI)	<-0.30	B	<2.00
CU	0.504		
PB	0.995		
Ni	0.688		
SE	<-0.280		
AG	<-0.0200		
Z	2.84		

**LEGEND**

- WELL HEAD LOCATION
- ⊗ SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- EXCAVATED AREA
- FORMER FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL
- EXTENT OF EXCAVATION

SAMPLE	SAMPLE ID	SAMPLE DATE	SAMPLE ID	SAMPLE DATE	
DATE	DATE SAMPLED	DATE	DATE SAMPLED	DATE	
DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	
As	<0.01	ARSENIC (mg/kg)	pH	<800	SAR (units)
BA	<0.01	BARIUM (mg/kg)	EC	7.00	pH (pH units)
CD	<0.01	CADMIUM (mg/kg)	SAR	<1	EC (microsiemens)
CR(VI)	<0.05	CHROMIUM (mg/kg)	B	<5	BORON (mg/L)
CU	<0.01	COPPER (mg/kg)			
PB	<0.05	LEAD (mg/kg)			
Ni	<0.05	NICKEL (mg/kg)			
SE	<0.5	SELENIUM (mg/kg)			
AG	<0.05	SILVER (mg/kg)			
Z	<0.05	ZINC (mg/kg)			

**Figure 4**  
**BACKGROUND SAMPLE SOIL CHEMISTRY MAP**  
**NOBLE ENERGY INC ~ CDOT F 1-10**  
 NWSE Sec. 1, T5N, R65W, 6th PM  
 Weld County, Colorado  
 40.426156°, -104.609012°

Project No. <b>C024-010</b>	API # <b>05-123-25082</b>	Facility #
Date <b>12/29/24</b>	Remediation # <b>31034</b>	Filename <b>24010Q</b>

**APPENDIX A**

**PHOTO LOG**

# Photo Log



*Description:*

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# Photo Log



*Description:*

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# Photo Log



*Description:*

# Photo Log



*Description:*

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# Photo Log



*Description:*

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