

FREMONT ENVIRONMENTAL INC.

July 7, 2025

Mr. Daniel Peterson
Noble Energy Inc.
2115 117th Ave,
Greeley, CO 80634

Subject: **Excavation Report**
 Kerbs K 20-6
 API # 05-123-20597
 SENW Sec. 20, T4N, R66W
 Weld County, Colorado
 Fremont Project No. C024-125
 Remediation #23578

Dear Mr. Peterson:

Enclosed please find a copy of the above referenced Excavation Report for the Kerbs K 20-6 release site in Weld County, Colorado. The enclosed report describes excavation and sampling efforts to remediate impacted soil at the site.

Please contact me at (314) 795-2372 if you require any additional information.

Fremont appreciates the opportunity to provide this service.

Sincerely,
FREMONT ENVIRONMENTAL INC.



Jeff T. Griggs
Project Geologist

Enclosure

EXCAVATION REPORT

NOBLE ENERGY INC.

KERBS K 20-6

WELD COUNTY, COLORADO

FREMONT PROJECT NO. C024-125

API # 05-123-20597, REMEDIATION #23578

**Prepared by:
Fremont Environmental Inc.
1759 Redwing Lane
Broomfield, CO 80020
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July 17, 2025

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EXCAVATION REPORT
NOBLE ENERGY INC.
KERBS K 20-6
WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-125
API # 05-123-20597, REMEDIATION #23578

1.0 INTRODUCTION

The purpose of this document is to present information collected during the excavation of petroleum-impacted soil at the Kerbs K 20-6 location in Weld County, Colorado. This excavation project was completed on March 24, 2025.

2.0 BACKGROUND INFORMATION

2.1 Site Location

The Kerbs K 20-6 is located approximately 1.13 miles northwest of Gilcrest, Colorado in Weld County as shown on Figure 1. The site is located in an agricultural area approximately 0.47 miles southeast of the intersection of Highway 60 and Weld County Road 44. The location is further described as the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 20, Township 4N, Range 66W.

2.2 Site History

The site previously consisted of the Kerbs K-64N66W 20SENW tank battery, which serviced the Kerbs K 20-6 and Kerbs K 20-5 wells. The Kerbs K 20-5 well was drilled in 1985 to a depth of approximately 7,345 feet, and the Kerbs K 20-6 well was drilled in 2001 to a depth of approximately 7,400 feet. A historical release was discovered adjacent to the Kerbs K 20-6 flowline during decommissioning activities in June 2024. Groundwater was not encountered at the time of the release discovery.

3.0 FIELD ACTIVITIES

3.1 Soil Excavation and Sampling

Soil remediation activities involved the excavation and removal of petroleum-impacted soil located directly adjacent to the former Kerbs K 20-6 flowline. The excavation measured approximately 10 feet by 10 feet, with a maximum depth of three feet below ground surface (bgs). Subsurface materials encountered during excavation consisted of poorly graded sand (SP) to the maximum excavation depth of approximately three feet. Groundwater was not encountered during these activities.

Excavation was completed on March 24, 2025. Following completion, soil samples were collected as grab samples from the excavation sidewalls at a depth of two feet bgs and from the excavation floor at a depth of three feet bgs. The limits of the excavation are shown in Figures 2 through 5.

The soil samples were analyzed by Pace Analytical Services LLC in Mount Juliet, Tennessee for benzene, toluene, ethylbenzene and total xylenes (BTEX), naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene (TMB), total petroleum hydrocarbons - gasoline range organics (TPH-GRO) by EPA method 8015D, TPH - diesel range organics (TPH-DRO), extended range organics (TPH-ORO) by EPA method 8015M, polycyclic aromatic hydrocarbons (PAH) acenaphthene, anthracene, benzo (a) anthracene, benzo (a) pyrene, benzo (b) fluoranthene, chrysene, dibenz (a,h) anthracene, fluoranthene, fluorene, indeno (1,2,3-cd) pyrene, pyrene, 1-methylnaphthalene, 2-methylnaphthalene by EPA method 8270E, specific conductance (EC) by EPA Method 9050A, saturated paste extraction of soluble nutrients by EPA method 6020/USDA60 6(2) for calculated analysis of sodium absorption ratio (SAR), pH by EPA Method 9045D, Total Metals by EPA method 6020B, and Hexavalent Chromium by EPA method 7199.

A summary of the soil laboratory data is presented in Tables 2 through 5. Laboratory analyses confirmed that organic petroleum constituents in soil samples collected from both the sidewalls and the floor of the excavation met the Colorado Energy and Carbon Management Commission (ECMC) Table 915-1 Protection of Groundwater Soil Screening Levels (PGSSLs) and Soil Suitability for Reclamation Standards (SSRs).

However, exceedances of certain metal constituents were observed. One sample collected from the excavation floor at a depth of three feet (FLOOR – 3ft) exceeded the ECMC Table 915-1 PGSSLs for barium. Two sidewall samples (S Wall – 2ft and E Wall – 2ft) exceeded PGSSLs for lead, and one sample (S Wall – 2ft) exceeded the PGSSLs for nickel. Additionally, all collected samples exceeded the Residential Soil Screening Levels (RSSLs) for arsenic. Background samples obtained from native soils adjacent to the excavation at depths of two and three feet also exceeded ECMC Table 915-1 PGSSLs for arsenic and barium, suggesting these exceedances may be representative of naturally occurring background conditions.

Approximately 14 tons (10 cubic yards) of petroleum-impacted soil were excavated and removed by Tasman during remediation efforts. The impacted soil was transported to and disposed of at the Buffalo Ridge Landfill in Keenesburg, Colorado as non-hazardous waste. Following removal, the excavation was backfilled using clean fill material.

4.0 DISCUSSION

As demonstrated by soil sampling and laboratory analysis, petroleum-impacted soil adjacent to the former Kerbs K 20-6 flowline was successfully removed through targeted excavation. Analytical results from soil samples collected from the excavation sidewalls and floor confirmed that concentrations of organic petroleum constituents were below the ECMC Table 915-1 PGSSLs and that applicable SSRs were achieved. Approximately

10 cubic yards (14 tons) of impacted soil were excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado for disposal as non-hazardous waste. The excavation was subsequently backfilled with clean fill. Soil sampling locations and corresponding data are summarized in the attached tables and figures.

Elevated concentrations of arsenic and barium were detected in both excavation and background samples. Based on exceedances in native soil adjacent to the excavation, these constituents are proposed to be naturally occurring. Arsenic and barium concentrations were evaluated against 1.25 times the maximum values observed in local background samples to support this determination.

With respect to the PGSSL exceedances for lead and nickel, the operator proposes to resample the original sidewall locations (S Wall - 2ft and E Wall - 2ft) at the same depths where the elevated concentrations were initially observed. Resampled soil will be analyzed for the full Table 915-1 analyte suite. If the resampling results are compliant with applicable Table 915-1 PGSSLs, Noble will submit a request for a No Further Action (NFA) determination, supported by background data to justify any persistent elevated concentrations.

Alternatively, if exceedances of lead or nickel persist and cannot be attributed to native soil conditions through background soil characterization, Noble will collect a minimum of five additional samples to delineate the horizontal and vertical extent of impacts. If necessary, remedial alternatives will be evaluated to address any in situ exceedances of metals that are not attributable to background and that exceed the applicable ECMC Table 915-1 standards.

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.**

Prepared By:

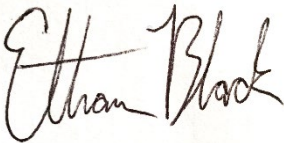


07/17/25

Date _____

Jeff T. Griggs
Project Geologist

Reviewed by:



07/17/25

Date _____

Ethan D. Black, P.G.
Senior Consultant

TABLES

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
KERBS K20-06, WELD COUNTY, COLORADO
REM # 23578

Sample ID	Sample Date	Depth (ft)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
FL02-05FT	06/07/2024	0.5Ft	40.2989776	-104.8057056	-	0.3
FL02-05FT	06/07/2024	0.5Ft	40.2989907	-104.8060643	-	0.4
FL03-0.5FT	06/07/2024	0.5Ft	40.2990205	-104.8066526	-	0.3
FL01-2FT	06/07/2024	2Ft	40.2989671	-104.8052193	0.9	3.2
N Wall - 2Ft	3/24/2025	2Ft	40.2989814	-104.8052158	0.8	1.1
S Wall - 2Ft	3/24/2025	2Ft	40.2989528	-104.8052199	0.8	1.3
E Wall - 2Ft	3/24/2025	2Ft	40.2989642	-104.8052000	0.8	1.2
W Wall - 2Ft	3/24/2025	2Ft	40.2989692	-104.8052370	0.8	1.2
FL05-3FT	06/07/2024	3Ft	40.2990472	-104.8073255	0.9	0.8
FLOOR - 3Ft	3/24/2025	3Ft	40.2989660	-104.8052196	-	0.6
BKG01	06/07/2024	2Ft, 3Ft	40.2990352	-104.8052472	0.8	0.0
BKG02	06/07/2024	2Ft, 3Ft	40.2990831	-104.8072888	0.9	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
KERBS K20-06, WELD COUNTY, COLORADO
REM # 23578

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**		
FL01-2FT	06/07/2024	2Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
N Wall - 2Ft	3/24/2025	2Ft	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.0200	<500	0.243	<4.00	<4.00
S Wall - 2Ft	3/24/2025	2Ft	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.0200	<500	<0.100	<4.00	<4.00
E Wall - 2Ft	3/24/2025	2Ft	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.0200	<500	<0.100	<4.00	4.39
W Wall - 2Ft	3/24/2025	2Ft	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.0200	<500	<0.100	<4.00	<4.00
FL05-3FT	06/07/2024	3Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FLOOR - 3Ft	3/24/2025	3Ft	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.0200	<500	<0.100	<4.00	<4.00

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
KERBS K20-06, WELD COUNTY, COLORADO
REM # 23578

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
FL01-2FT	06/07/2024	2Ft	0.0171	0.0248	0.0279	0.0193	0.0280	0.0110	0.0264	<0.00500	0.0721	0.0176	0.0157	0.0676	<0.00500	<0.00500
N Wall - 2Ft	3/24/2025	2Ft	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200
S Wall - 2Ft	3/24/2025	2Ft	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200
E Wall - 2Ft	3/24/2025	2Ft	<0.00600	<0.00600	<0.00600	0.00698	0.00746	<0.00600	0.00608	<0.00600	0.00602	<0.00600	<0.00600	0.0103	<0.0200	<0.0200
W Wall - 2Ft	3/24/2025	2Ft	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200
FL05-3FT	06/07/2024	3Ft	0.00661	0.0122	0.00544	0.0102	0.0149	0.0061	0.0147	<0.00500	0.0389	0.00724	0.00816	0.0349	<0.00500	<0.00500
FLOOR - 3Ft	3/24/2025	3Ft	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200

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
KERBS K20-06, WELD COUNTY, COLORADO
REM # 23578

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
FL01-2FT	06/07/2024	2Ft	8.69	0.380	1.78	<2.00
N Wall - 2Ft	3/24/2025	2Ft	7.02	0.351	2.28	0.224
S Wall - 2Ft	3/24/2025	2Ft	7.27	0.288	1.83	<0.200
E Wall - 2Ft	3/24/2025	2Ft	7.22	0.533	2.43	0.268
W Wall - 2Ft	3/24/2025	2Ft	7.00	0.483	3.12	<0.200
FL05-3FT	06/07/2024	3Ft	7.09	0.117	0.370	<2.00
FLOOR - 3Ft	3/24/2025	3Ft	6.89	0.521	2.32	<0.200
BKG01-2FT	06/07/2024	2Ft	7.44	0.101	0.569	<2.00
BKG02-2FT	06/07/2024	2Ft	6.76	0.104	0.503	<2.00
BKG01-3FT	06/07/2024	3Ft	7.38	0.218	0.870	<2.00
BKG02-3FT	06/07/2024	3Ft	6.98	0.0923	0.425	<2.00
Maximum Background Concentration			7.44	0.218	0.870	<2.00

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/Not applicable

Material excavated and transported off site for disposal.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
KERBS K20-06, WELD COUNTY, COLORADO
REM # 23578

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
FL01-2FT	06/07/2024	2Ft	1.81	62.4	<0.200	<0.30	5.92	6.78	4.31	<0.260	0.0553	21.4
N Wall - 2Ft	3/24/2025	2Ft	2.63	58.6	<1.00	<1.00	10.8	11.0	9.24	<2.50	<0.500	37.1
S Wall - 2Ft	3/24/2025	2Ft	3.72	74.3	<1.00	<1.00	14.1	16.0	27.8	<2.50	<0.500	48.8
E Wall - 2Ft	3/24/2025	2Ft	3.19	73.7	<1.00	<1.00	15.0	15.5	10.6	<2.50	<0.500	54.2
W Wall - 2Ft	3/24/2025	2Ft	2.82	70.6	<1.00	<1.00	10.7	11.7	10.7	<2.50	<0.500	41.0
FL05-3FT	06/07/2024	3Ft	1.10	38.2	<0.200	<0.30	3.27	3.56	3.02	<0.260	<0.0200	13.8
FLOOR - 3Ft	3/24/2025	3Ft	3.75	104	<1.00	<1.00	8.72	8.83	7.15	<2.50	<0.500	35.6
BKG01-2FT	06/07/2024	2Ft	2.61	60.6	0.260	<0.30	10.1	9.61	4.46	<0.260	0.0504	26.3
BKG02-2FT	06/07/2024	2Ft	2.06	58.8	0.236	<0.30	8.75	9.08	4.56	<0.260	0.0803	34.6
BKG01-3FT	06/07/2024	3Ft	3.05	86.6	0.235	<0.30	7.54	8.03	7.01	<0.260	0.0608	30.2
BKG02-3FT	06/07/2024	3Ft	1.40	48.0	<0.200	<0.30	6.04	6.03	3.64	<0.260	0.0459	24.0
1.25x Maximum Background Concentration			3.81	108	0.325	<0.30	12.6	12.0	8.76	<0.260	0.100	43.3

- 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 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/Not applicable

Material excavated and transported off site for disposal.

FIGURES

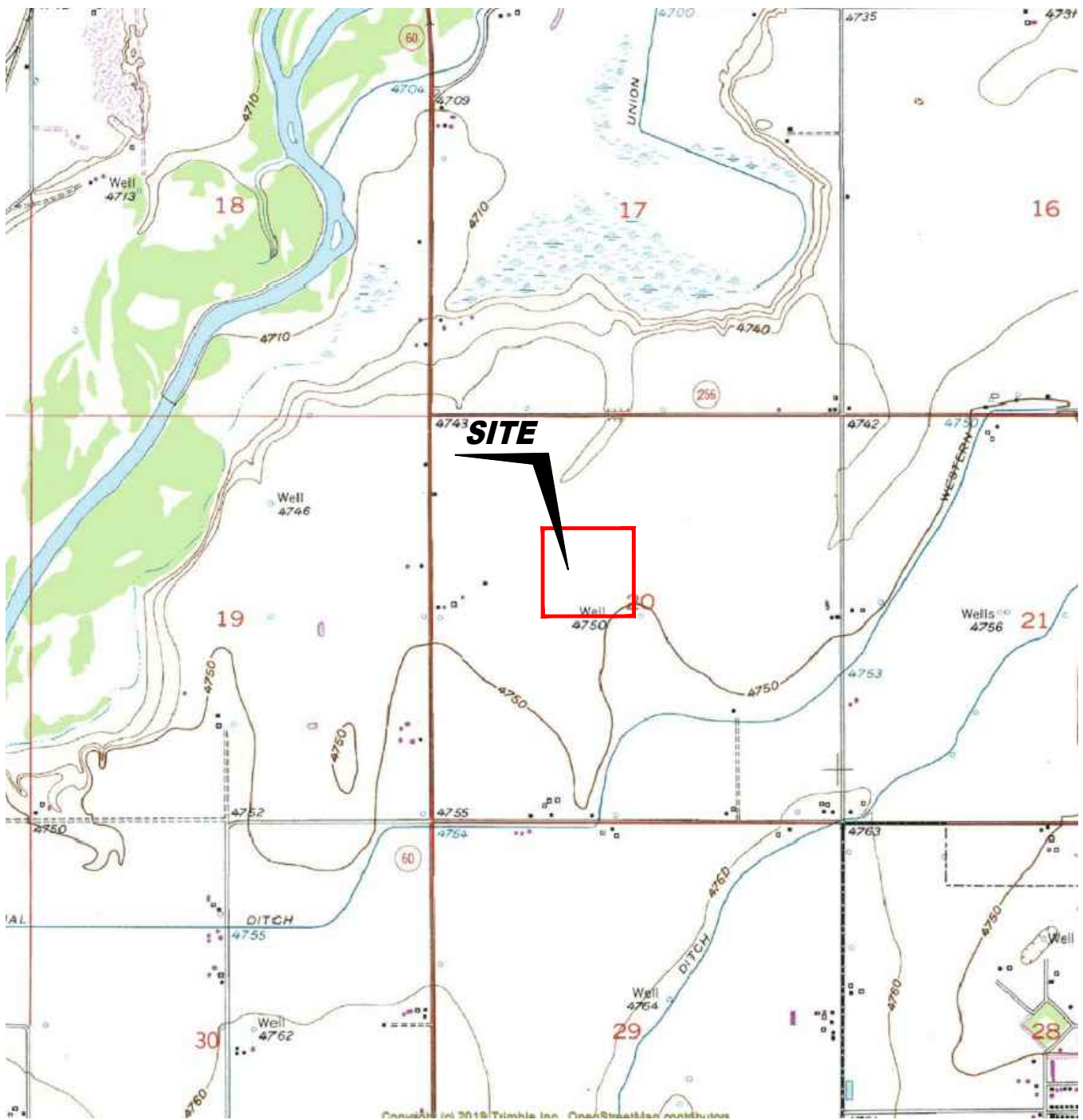
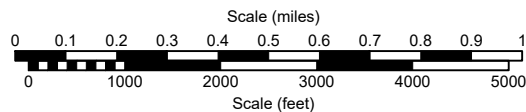


Figure 1
SITE LOCATION MAP

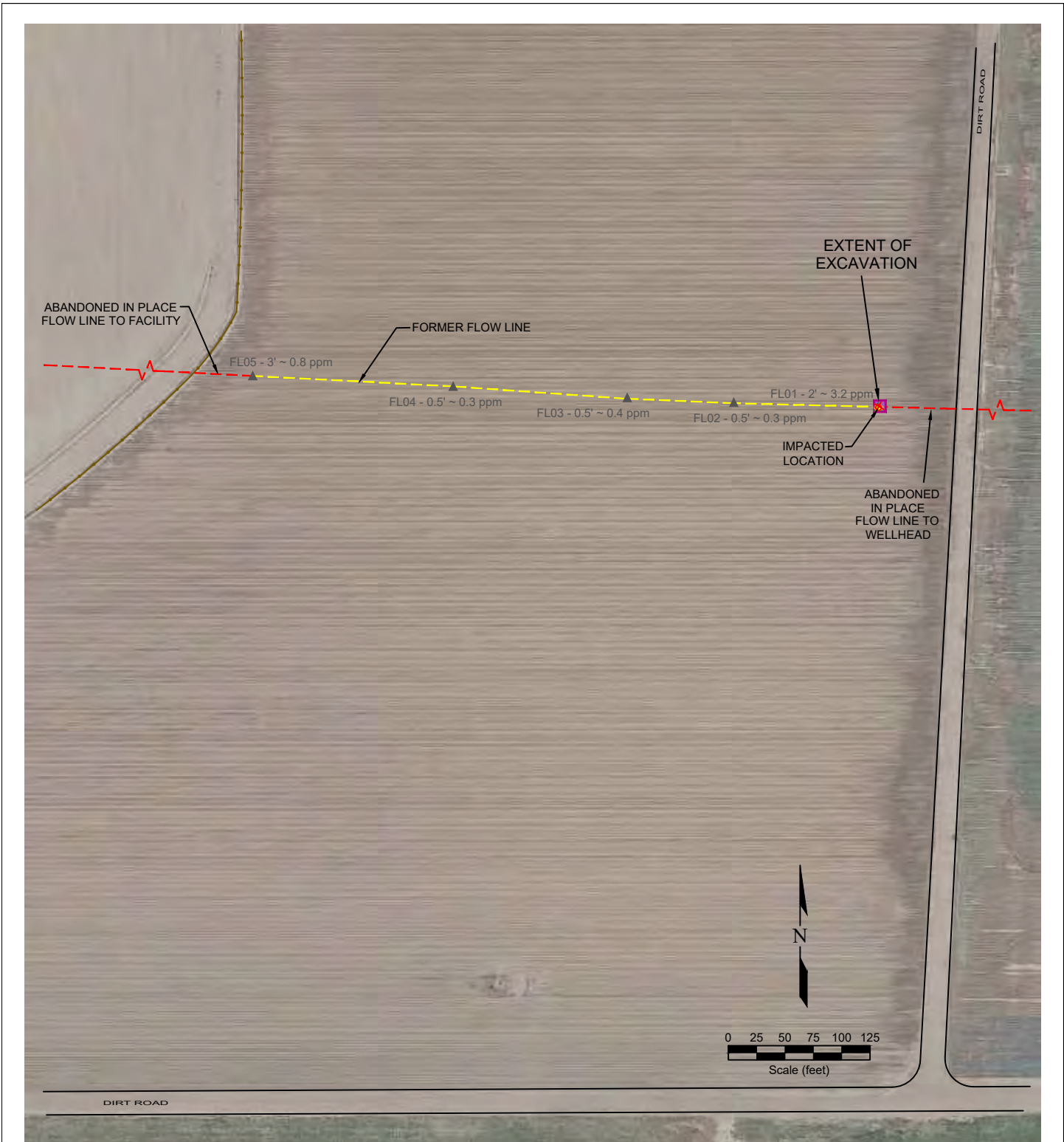
Noble Energy, Inc. ~ Kerbs K20-06
 SENW Sec. 20, T4N, R66W, 6th PM
 Weld County, Colorado
 40.298960°, -104.804510°



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Project No. CO24-125	API # 05-123-20597	Facility #
Date 7/17/25	Remediation # 23578	Filename 24125TE





LEGEND

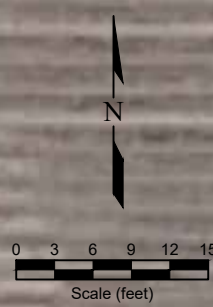
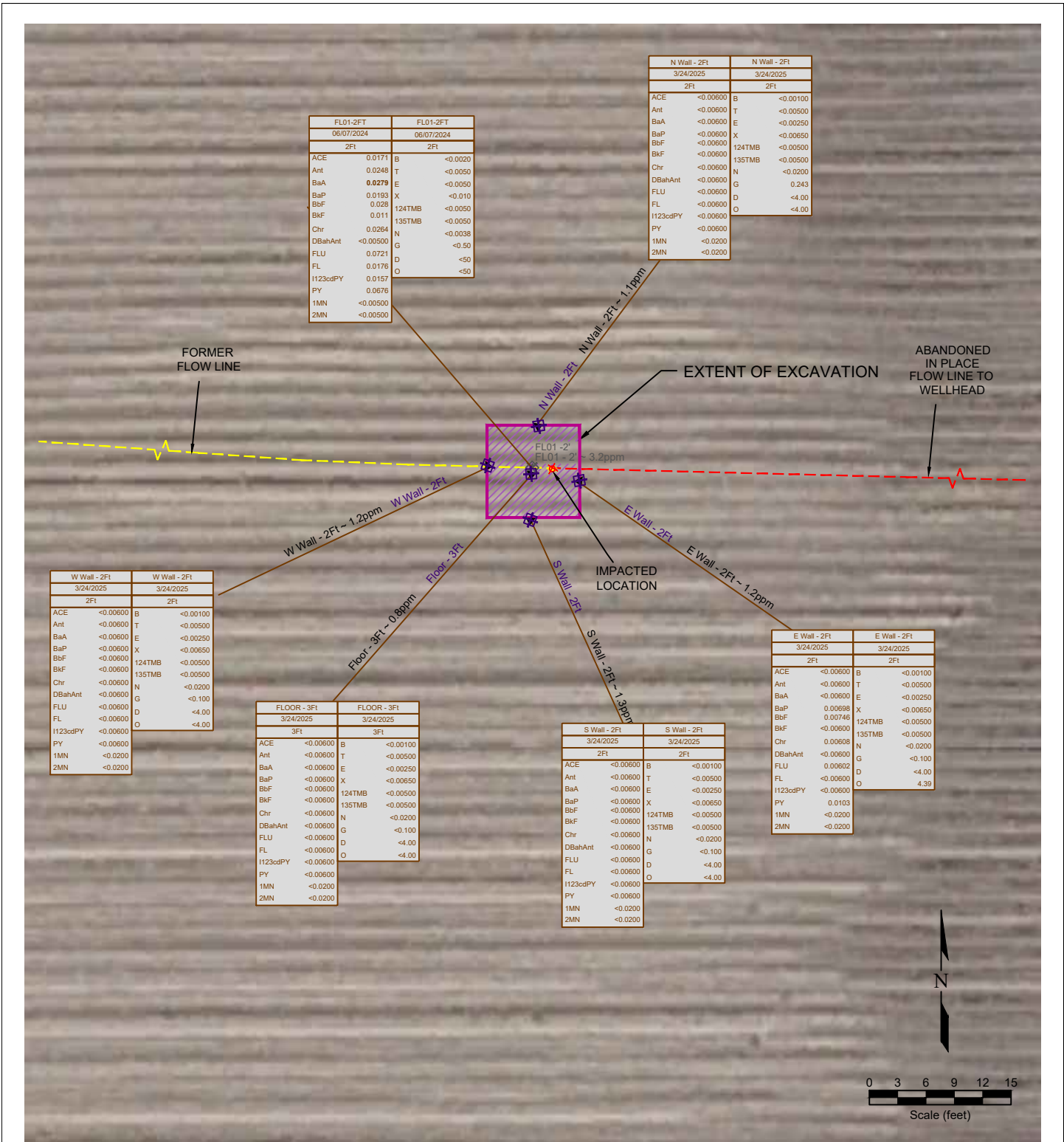
- ★ IMPACTED LOCATION ▲ PID READING LOCATION
- FORMER FACILITY
- EXCAVATED AREA
- ABANDONED IN PLACE FLOW LINE
- FORMER FLOW LINE
- EXTENT OF EXCAVATION
- FENCE LINE

**Figure 2
SITE MAP**

Noble Energy, Inc. ~ Kerbs K20-06
 SENW Sec. 20, T4N, R66W, 6th PM
 Weld County, Colorado
 40.298960°, -104.804510°

Project No. CO24-125	API # 05-123-20597	Facility #
Date 7/17/25	Remediation # 23578	Filename 24125QE





LEGEND

- ▲ DECOM PID READING LOCATION
- ▲ EXCAVATION PID READING LOCATION
- ⊗ DECOM SOIL SAMPLE LOCATION
- ⊗ EXCAVATION SOIL SAMPLE LOCATION
- FORMER FACILITY
- EXCAVATED AREA
- FENCE LINE
- ABANDONED IN PLACE FLOW LINE
- FORMER FLOW LINE
- EXTENT OF EXCAVATION

SAMPLE ID	SAMPLE ID
DATE	DATE SAMPLED
DEPTH	DEPTH (ft)
ACE	<0.00600
Ant	<0.00600
BaA	<0.00600
BaP	<0.00600
BbF	<0.00600
BkF	<0.00600
Chr	<0.00600
DBahAnt	<0.00600
FLU	<0.00600
FL	<0.00600
I123cdPY	<0.00600
PY	<0.00600
1MN	<0.00600
2MN	<0.00600

SAMPLE ID	SAMPLE ID
DATE	DATE SAMPLED
DEPTH	DEPTH (ft)
B	<0.0020
T	<0.0050
E	<0.0050
X	<0.010
124TMB	<0.0050
135TMB	<0.0050
N	<0.0038
G	<0.50
D	<50
O	<50

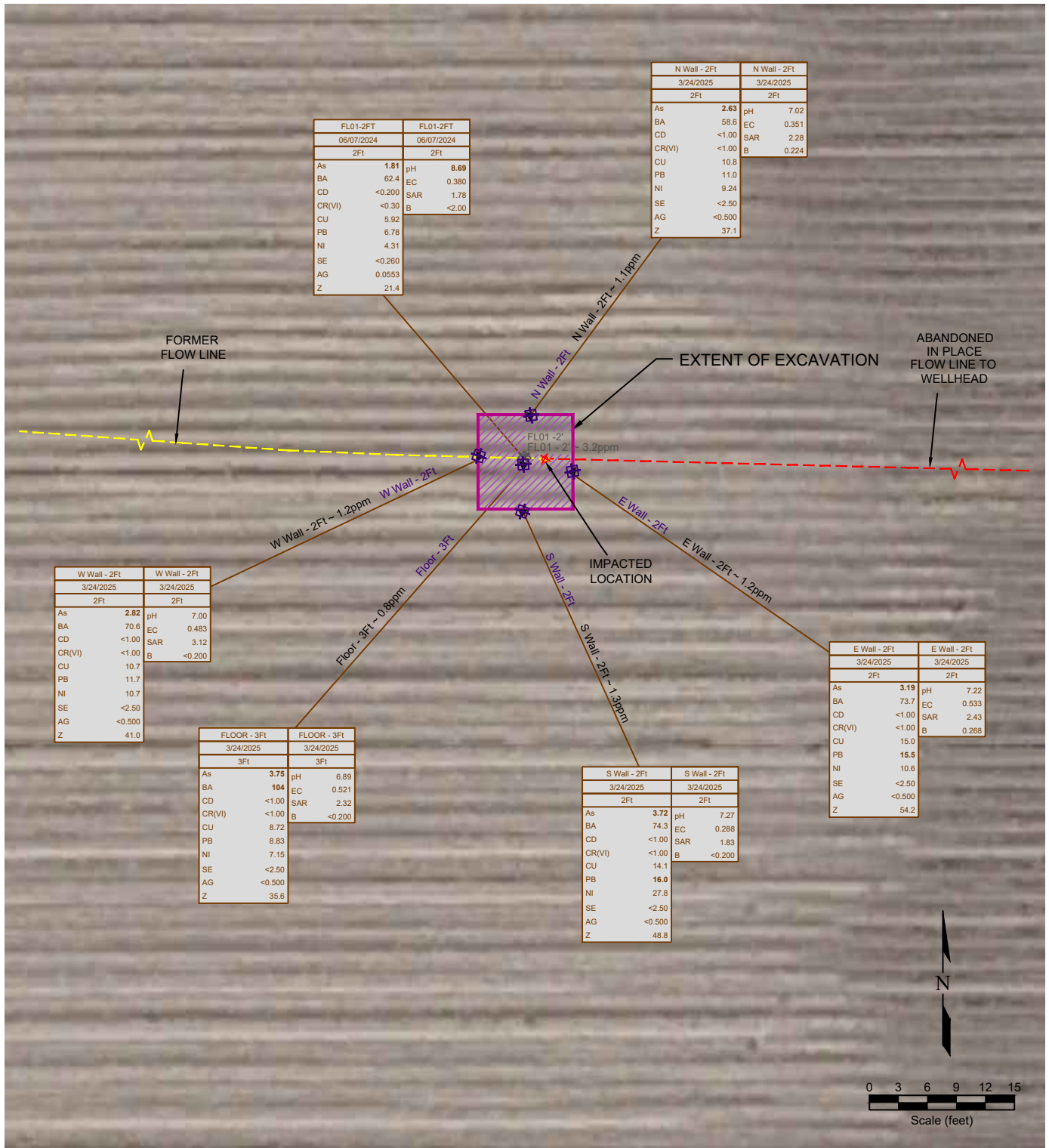
SAMPLE ID	SAMPLE ID
DATE	DATE SAMPLED
DEPTH	DEPTH (ft)
BENZENE (mg/kg)	
TOLUENE (mg/kg)	
ETHYLENE (mg/kg)	
TOTAL XYLENES (mg/kg)	
1,2,4-TRIMETHYLBENZENE (mg/kg)	
1,3,5-TRIMETHYLBENZENE (mg/kg)	
NAPHTHALENE (mg/kg)	
TPH-GRO (mg/kg)	
TPH-CRO (mg/kg)	
TPH-ORO (mg/kg)	

Figure 3
ORGANIC SOIL CHEMISTRY MAP

Noble Energy, Inc. ~ Kerbs K20-06
SENW Sec. 20, T4N, R66W, 6th PM
Weld County, Colorado
40.298960°, -104.804510°

Project No. CO24-125	API # 05-123-20597	Facility #
Date 7/17/25	Remediation # 23578	Filename 24125QE1





LEGEND

- ▲ DECOM PID READING LOCATION
- ▲ EXCAVATION PID READING LOCATION
- ⊗ DECOM SOIL SAMPLE LOCATION
- ⊗ EXCAVATION SOIL SAMPLE LOCATION
- FORMER FACILITY
- EXCAVATED AREA
- ABANDONED IN PLACE FLOW LINE
- FORMER FLOW LINE
- EXTENT OF EXCAVATION
- FENCE LINE

SAMPLE	SAMPLE ID	SAMPLE	SAMPLE ID		
DATE	DATE SAMPLED	DATE	DATE SAMPLED		
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)		
As	<0.01	ARSENIC (mg/kg)	pH	<0.00	pH (pH units)
BA	<0.01	BARIUM (mg/kg)	EC	7.00	EC (mmhos/cm)
CD	<0.01	CADMIUM (mg/kg)	SAR	<1	SAR (units)
CR(VI)	<0.01	CHROMIUM (mg/kg)	B	<5	BORON (mg/L)
CU	<0.01	COPPER (mg/kg)			
PB	<0.01	LEAD (mg/kg)			
NI	<0.01	NICKEL (mg/kg)			
SE	<0.01	SELENIUM (mg/kg)			
AG	<0.01	SILVER (mg/kg)			
Z	<0.01	ZINC (mg/kg)			

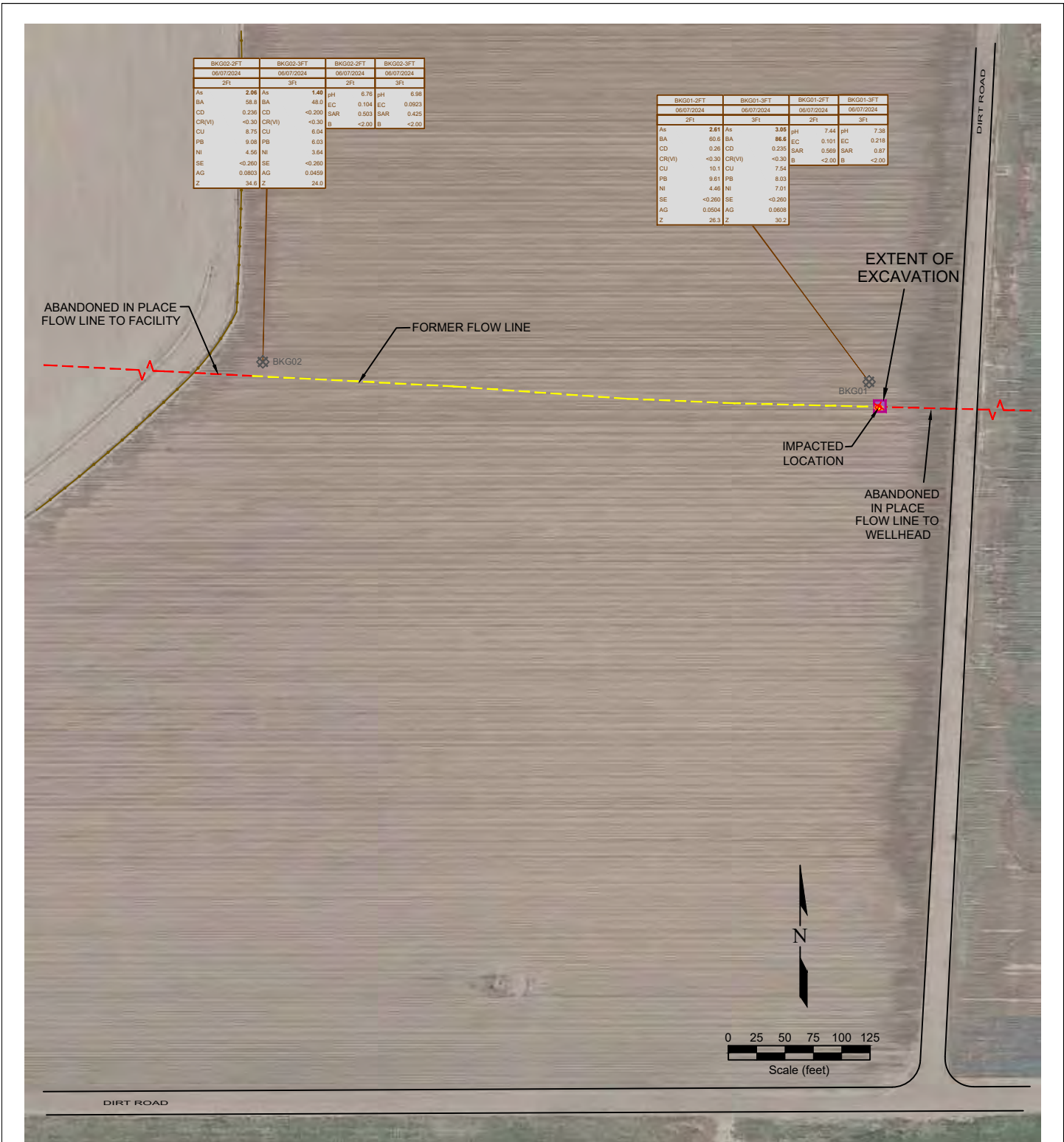
Figure 4

METALS AND INORGANIC SOIL CHEMISTRY MAP

Noble Energy, Inc. ~ Kerbs K20-06
 SENW Sec. 20, T4N, R66W, 6th PM
 Weld County, Colorado
 40.298960°, -104.804510°

Project No. CO24-125	API # 05-123-20597	Facility #
Date 7/17/25	Remediation # 23578	Filename 24125QE1





LEGEND

- IMPACTED LOCATION
- SOIL SAMPLE LOCATION
- FORMER FACILITY
- ABANDONED IN PLACE FLOW LINE
- FORMER FLOW LINE
- EXCAVATED AREA
- EXTENT OF EXCAVATION
- FENCE LINE

SAMPLE	SAMPLE ID	SAMPLE	SAMPLE ID		
DATE	DATE SAMPLED	DATE	DATE SAMPLED		
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)		
As	<0.01	ARSENIC (mg/kg)	pH	<50	pH (pH units)
BA	<0.01	BARIUM (mg/kg)	EC	7.00	EC (micromhos/cm)
CD	<0.01	CADMIUM (mg/kg)	SAR	<1	SAR (units)
CR(V)	<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 5

BACKGROUND SAMPLE SOIL CHEMISTRY MAP

Noble Energy, Inc. ~ Kerbs K20-06
 SENW Sec. 20, T4N, R66W, 6th PM
 Weld County, Colorado
 40.298960°, -104.804510°

Project No. CO24-125	API # 05-123-20597	Facility #
Date 7/17/25	Remediation # 23578	Filename 24125QE



APPENDIX A

PHOTO LOG

Photo Log



Description:

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Photo Log



Description:

Photo Log



Description:

Photo Log



Description:

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Photo Log



Description:

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