

FREMONT ENVIRONMENTAL INC.

May 9, 2023

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

Subject: **Facility Closure Data Submittal**
Barton C 15-29
SWSW Sec. 10, T4N, R64W
Weld County, Colorado
Fremont Project No. C023-263
Facility # 413215, Remediation # 30384

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted facility closure activities for the Noble Energy Inc. (Noble) Barton C 15-29. Impacted soil was not encountered during abandonment activities. Details of the Barton C 15-29 facility closure activities are documented in the attached Closure Report. Groundwater was not encountered during flowline abandonment activities.

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.

A handwritten signature in black ink that reads "Ethan Black". The signature is written in a cursive, flowing style.

Ethan D. Black, PG
Consultant

Attachments:

Facility Closure Checklist
Tables
Figures
Photos
Laboratory Report

**1759 REDWING LANE, BROOMFIELD, CO 80020
(303) 956-8714 (DIRECT)**

Tank Battery Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):	<input type="checkbox"/>	Pit Closure	<input type="checkbox"/>	Wellhead Closure	<input type="checkbox"/>	Flowline Closure	<input checked="" type="checkbox"/>	Partially Buried Vault Closure
Site Name & COGCC Facility Number: Barton C 15-29, 413215		Date: 10/14/2023						Remediation Project #: 30384
Associated Wells: Multiple		Age of Site: Years						Number of Photos Attached: 7
Location: (GPS coordinates of southeaster berm) 40.3198625, -104.5398769							Estimated Facility Size (acres): 1.5	

General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)

Good condition

USCS Soil Type:
SM to CH

Estimated Depth to Groundwater:
~10'

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

None observed

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

None observed

Tanks

Tank Contents	Crude Oil	Crude Oil							
Size (barrels)	300	300							
Age	years	years							
Construction Material	Steel	Steel							
Tank type (AST/DBT, etc.)	unknown	unknown							
Visual Integrity of Tank									
Condition of tank footprint	Good condition	Good condition							
PID Readings	0.3 ppm	0.4 ppm							
Soil impacts present at valves or hatches?	No	No							
PID Readings	0.0 ppm	0.0 ppm							
Sample taken? Location/ Sample ID#	Yes, see attached	Yes, see attached							
Photo Number(s)	5-7	5-7							

Other observations regarding tanks:

ASTs removed prior to arrival

Separators

Separator size	8 bbl	8 bbl							
Vertical or Horizontal	horizontal	horizontal							
Age	unknown	unknown							
Soil impacts observed? If yes,	No	No							
PID Readings	1.6 ppm	0.7 ppm							
Sample taken? Location/ Sample ID#	Yes, see attached	Yes, see attached							
Photo Number(s)	3,4	3,4							

Other observations regarding separators

Removed prior to arrival

Third Party Equipment

Type	Meter Skid								
Age	Unknown								

Third Party	Western Midstream													
Removal Date	Not removed													
Sample taken?	Yes, see attached													
PID Readings	0.0 ppm													
Photo Number(s)	7													
Other Facility Equipment														
Equipment type	ECD	ECD												
Equipment Condition	Unknown	Unknown												
Age	Unknown	Unknown												
Soil impacts observed during	No	No												
PID Readings	0.0 ppm	0.0 ppm												
Sample taken?	Yes, see attached	Yes, see attached												
Photo Number(s)	2	2												
Other observations regarding other facility or third party equipment:														
Removed prior to arrival														
Summary														
Was impacted soil identified? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - less than 10 cubic yards <input type="checkbox"/> Yes - more than 10 cubic yards														
Total number of samples field screened: 10					Total number of samples collected: 10									
Highest PID Reading: 1.6 ppm					Total number of samples submitted to lab for analysis: 4									
If more than 10 cubic yards of impacted soil were observed:														
Vertical extent:					Estimated spill volume:									
Lateral extent:					Volume of soil removed:									
Is additional investigation required? No														
Was groundwater encountered during the investigation? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - not impacted or in contact with impacted soils <input type="checkbox"/> Yes - groundwater impacted and/or in contact with impacted soils														
Measured depth to groundwater:					Was remedial groundwater removal conducted? <input type="checkbox"/> Yes <input type="checkbox"/> No									
Date Groundwater was encountered:					Commencement date of removal:									
Sheen on groundwater? <input type="checkbox"/> Yes <input type="checkbox"/> No					Volume of groundwater removed prior to sampling:									
Free product observed? <input type="checkbox"/> Yes <input type="checkbox"/> No					Volume of groundwater removed post sampling:									
Total number of samples collected:					Total Volume of groundwater removed:									
Total number of samples submitted to lab for analysis:														

Buried or Partially Buried Vessel Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Wellhead Closure		Flowline Closure		Tank Battery Closure
Site Name & COGCC Facility Number: Barton C 15-29, 413215		Date: 10/14/2023						Remediation Project #: 30384
Associated Wells: Multiple		Age of Site: Years						Number of Photos Attached: 7
Location: (GPS coordinates of vault or southeastern tank berm for multiple) 40.319843, -104.540026							Estimated Facility Size (acres): 1.5	
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Good condition								
USCS Soil Type: SM to CH					Estimated Depth to Groundwater: ~10'			
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed								
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed								
Buried or Partially Buried Vessels								
Tank Contents	Prod. H2O							
Size (barrels)	100							
Age	years							
Construction Material	Concrete							
Visual Integrity of Tank	unknown							
Condition of tank	good							
PID Readings	8.7 ppm highest							
Condition of dump line	Good condition							
PID Readings	17.9 ppm highest							
Sample taken? Location/Sample ID#	Yes, see attached							
Photo Number(s)	1, 6, 7							
Other observations regarding partially buried vessels: PWV removed prior to arrival								
Summary								
Was impacted soil identified? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - less than 10 cubic yards <input type="checkbox"/> Yes - more than 10 cubic yards								
Total number of samples field screened: 7					Total number of samples collected: 7			
Highest PID Reading: 17.9 ppm					Total number of samples submitted to lab for analysis: 3			
If more than 10 cubic yards of impacted soil were observed:								
Vertical extent:					Estimated spill volume:			
Lateral extent:					Volume of soil removed:			
Is additional investigation required? No								
Was groundwater encountered during the investigation? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - not impacted or in contact with impacted soils <input type="checkbox"/> Yes - groundwater impacted and/or in contact with impacted soils								
Measured depth to groundwater:					Was remedial groundwater removal conducted? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date Groundwater was encountered:					Commencement date of removal:			
Sheen on groundwater? <input type="checkbox"/> Yes <input type="checkbox"/> No					Volume of groundwater removed prior to sampling:			
Free product observed? <input type="checkbox"/> Yes <input type="checkbox"/> No					Volume of groundwater removed post sampling:			
Total number of samples collected:					Total Volume of groundwater removed:			
Total number of samples submitted to lab for analysis:								

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
BARTON C 15-29, WELD COUNTY, COLORADO
REM # 30384

Sample ID	Sample Date	Depth (ft)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
AST E CEN. SURF.	10/14/2023	0.5FT	40.3198667	-104.5398779	-	0.4
EAST LOADOUT	10/14/2023	0.5FT	40.3198625	-104.5398769	-	0.0
AST W CEN. SURF.	10/14/2023	0.5FT	40.3198635	-104.5399286	-	0.3
WEST LOADOUT	10/14/2023	0.5FT	40.3198551	-104.5399285	-	0.0
FLARE N SURF.	10/14/2023	0.5FT	40.3198927	-104.5395516	-	0.0
FLARE S SURF.	10/14/2023	0.5FT	40.3198478	-104.5395539	-	0.0
BKG01 0.5FT	10/31/2024	0.5FT	40.3200656	-104.5398521	0.7	0.0
BKG02 0.5FT	10/31/2024	0.5FT	40.3200316	-104.5394381	0.7	0.0
BKG03 0.5FT	10/31/2024	0.5FT	40.3197814	-104.5418501	0.8	0.0
BKG04 0.5FT	10/31/2024	0.5FT	40.3199935	-104.5420659	0.8	0.0
BKG05 0.5FT	10/31/2024	0.5FT	40.3197826	-104.5418517	0.8	0.0
N DUMP 2FT	10/14/2023	2.0FT	40.3198653	-104.5397018	-	17.9
S DUMP 2FT	10/14/2023	2.0FT	40.3198372	-104.5396691	-	2.6
N SEP RISER 3FT	10/14/2023	3.0FT	40.3198906	-104.5396357	-	1.6
S SEP RISER 3FT	10/14/2023	3.0FT	40.3198463	-104.5396425	-	0.7
BKG01 3.0FT	10/31/2024	3.0FT	40.3200656	-104.5398521	0.7	0.0
BKG02 3.0FT	10/31/2024	3.0FT	40.3200316	-104.5394381	0.7	0.0
BKG04 3.0FT	10/31/2024	3.0FT	40.3199935	-104.5420659	0.8	0.0
PWV N WALL 4FT	10/14/2023	4.0FT	40.3198599	-104.5400373	-	1.3
PWV S WALL 4FT	10/14/2023	4.0FT	40.3198255	-104.5400274	-	1.4
PWV E WALL 4FT	10/14/2023	4.0FT	40.3198431	-104.5400061	-	0.6
PWV W WALL 4FT	10/14/2023	4.0FT	40.3198438	-104.5400516	-	0.5
BKG03 4.0FT	10/31/2024	4.0FT	40.3197814	-104.5418501	0.8	0.0

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
BARTON C 15-29, WELD COUNTY, COLORADO
REM # 30384

Sample ID	Sample Date	Depth (ft)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
PWV FLOOR 5FT	10/14/2023	5.0FT	40.319843	-104.540026	-	8.7
BKG05 5.0FT	10/31/2024	5.0FT	40.3197826	-104.5418517	0.8	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

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
BARTON C 15-29, WELD COUNTY, COLORADO
REM # 30384

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**		
AST E CEN. SURF.	10/14/2023	0.5FT	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
AST W CEN. SURF.	10/14/2023	0.5FT	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
N Dump 2FT	10/14/2023	2.0FT	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
S Dump 2FT	10/14/2023	2.0FT	<0.0020	0.013	<0.0050	0.015	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
N SEP RISER 3FT	10/14/2023	3.0FT	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
S SEP RISER 3FT	10/14/2023	3.0FT	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV FLOOR 5FT	10/14/2023	5.0FT	<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

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
BARTON C 15-29, WELD COUNTY, COLORADO
REM # 30384

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
AST E CEN. SURF.	10/14/2023	0.5FT	<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
AST W CEN. SURF.	10/14/2023	0.5FT	<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 Dump 2FT	10/14/2023	2.0FT	<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 Dump 2FT	10/14/2023	2.0FT	<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 SEP RISER 3FT	10/14/2023	3.0FT	<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 SEP RISER 3FT	10/14/2023	3.0FT	<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
PWV FLOOR 5FT	10/14/2023	5.0FT	<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

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

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
BARTON C 15-29, WELD COUNTY, COLORADO
REM # 30384

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
AST E CEN. SURF.	10/14/2023	0.5FT	8.02	1.11	3.50	<2.00
AST W CEN. SURF.	10/14/2023	0.5FT	7.65	1.01	2.34	<2.00
N Dump 2FT	10/14/2023	2.0FT	7.79	2.95	2.55	<2.00
S Dump 2FT	10/14/2023	2.0FT	7.93	1.84	4.36	<2.00
N SEP RISER 3FT	10/14/2023	3.0FT	7.87	1.51	2.31	<2.00
S SEP RISER 3FT	10/14/2023	3.0FT	7.91	0.546	0.521	<2.00
PWV FLOOR 5FT	10/14/2023	5.0FT	7.88	1.34	5.03	<2.00

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
BARTON C 15-29, WELD COUNTY, COLORADO
REM # 30384

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
BKG01 0.5FT	10/31/2024	0.5FT	8.17	1.22	4.80	6.68
BKG02 0.5FT	10/31/2024	0.5FT	8.44	3.21	17.1	5.54
BKG03 0.5FT	10/31/2024	0.5FT	8.18	1.85	13.4	<2.00
BKG04 0.5FT	10/31/2024	0.5FT	8.57	1.23	5.71	2.68
BKG05 0.5FT	10/31/2024	0.5FT	8.60	2.94	16.5	2.82
BKG01 3.0FT	10/31/2024	3.0FT	8.01	1.22	3.73	<2.00
BKG02 3.0FT	10/31/2024	3.0FT	8.82	0.704	11.2	<2.00
BKG04 3.0FT	10/31/2024	3.0FT	8.53	0.536	4.26	<2.00
BKG03 4.0FT	10/31/2024	4.0FT	8.13	2.71	9.73	<2.00
BKG05 5.0FT	10/31/2024	5.0FT	8.79	0.615	5.27	<2.00
Maximum Background Concentration		0.5FT	8.60	3.21	17.1	6.68
Maximum Background Concentration		3.0FT	8.82	1.22	11.2	<2.00
Maximum Background Concentration		4.0FT	8.13	2.71	9.73	<2.00
Maximum Background Concentration		5.0FT	8.79	0.615	5.27	<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

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
BARTON C 15-29, WELD COUNTY, COLORADO
REM # 30384

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
N Dump 2FT	10/14/2023	2.0FT	1.25	82.3	<0.200	<0.30	3.11	4.54	0.592	0.477	0.0255	11.5
S Dump 2FT	10/14/2023	2.0FT	1.19	44.7	<0.200	<0.30	2.44	2.92	<0.400	<0.260	<0.0200	9.67
AST E CEN. SURF.	10/14/2023	0.5FT	0.891	65.1	<0.200	<0.30	2.49	3.99	0.403	<0.260	0.0241	10.4
AST W CEN. SURF.	10/14/2023	0.5FT	0.622	6.97	<0.200	<0.30	1.22	0.867	<0.400	<0.260	<0.0200	5.04
N SEP RISER 3FT	10/14/2023	3.0FT	0.989	33.8	<0.200	<0.30	1.84	2.53	<0.400	<0.260	<0.0200	8.38
S SEP RISER 3FT	10/14/2023	3.0FT	1.08	43.0	<0.200	<0.30	2.37	3.12	0.401	0.266	0.0261	10.1
PWV FLOOR 5FT	10/14/2023	5.0FT	1.50	156	0.238	<0.30	4.91	7.51	1.96	0.511	0.0390	18.3
BKG01 0.5FT	10/31/2024	0.5FT	4.17	133	0.252	<0.30	14.8	10.3	2.42	0.458	0.0669	55.7
BKG02 0.5FT	10/31/2024	0.5FT	5.18	189	0.220	<0.30	20.1	11.9	2.72	0.532	0.0827	70.9
BKG03 0.5FT	10/31/2024	0.5FT	3.76	124	<0.200	<0.30	11.9	8.08	2.26	0.460	0.0562	46.6
BKG04 0.5FT	10/31/2024	0.5FT	4.73	112	0.228	<0.30	11.6	9.27	2.2	0.345	0.0501	43.1
BKG05 0.5FT	10/31/2024	0.5FT	3.75	121	0.254	<0.30	17.3	11.4	2.29	0.455	0.0714	58.0
BKG01 3.0FT	10/31/2024	3.0FT	4.85	110	0.232	<0.30	18.4	10.9	2.63	0.307	0.0748	64.0
BKG02 3.0FT	10/31/2024	3.0FT	2.81	79.8	<0.200	<0.30	8.94	6.72	1.94	<0.260	0.0448	35.7
BKG04 3.0FT	10/31/2024	3.0FT	2.70	63.8	<0.200	<0.30	6.16	5.16	1.83	<0.260	0.0240	24.3
BKG03 4.0FT	10/31/2024	4.0FT	4.16	123	0.247	<0.30	16.5	10.8	2.17	0.501	0.0694	57.8
BKG05 5.0FT	10/31/2024	5.0FT	5.79	213	0.384	<0.30	17.5	11.8	3.18	0.359	0.0925	78.5
1.25x Maximum Background Concentration		0.5FT	6.48	236	0.318	<0.30	25.1	14.9	3.40	0.665	0.103	88.6
1.25x Maximum Background Concentration		3.0FT	6.06	138	0.290	<0.30	23.0	13.6	3.29	0.384	0.0935	80.0
1.25x Maximum Background Concentration		4.0FT	5.20	154	0.309	<0.30	20.6	13.5	2.71	0.626	0.0868	72.3
1.25x Maximum Background Concentration		5.0FT	7.24	266	0.480	<0.30	21.9	14.8	3.98	0.449	0.116	98.1

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

ECMC = Energy & Carbon Management Commission

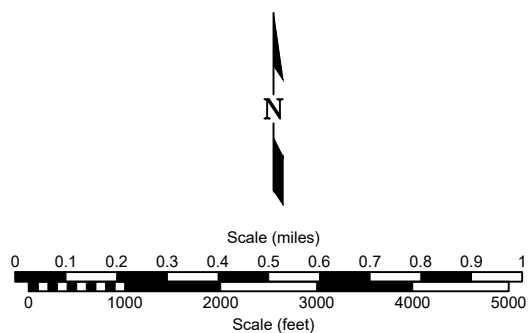
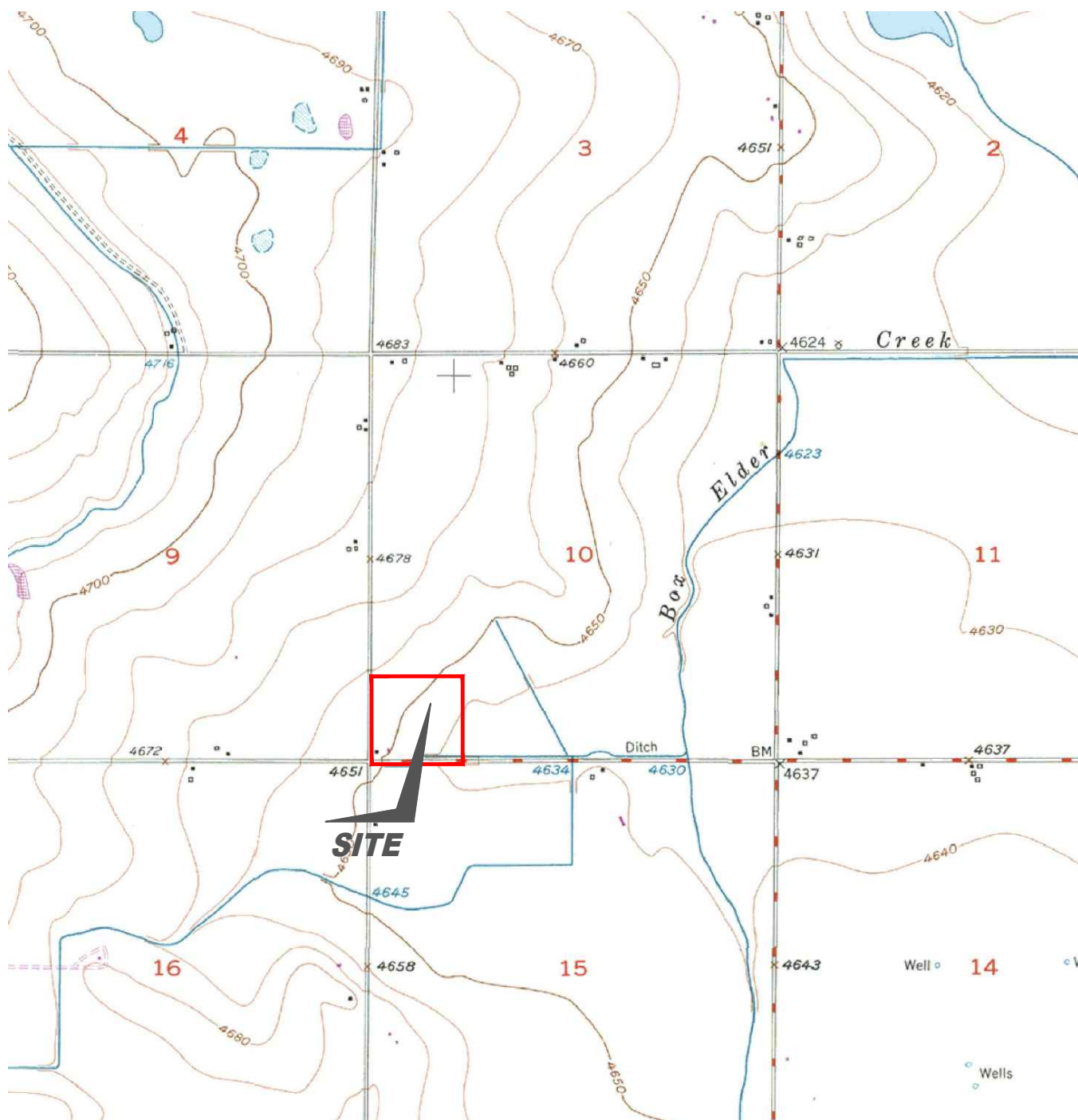
(<) = Analytical result is less than the indicated laboratory reporting limit.

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

* Indicates laboratory minimum detection limit in excess of SSL



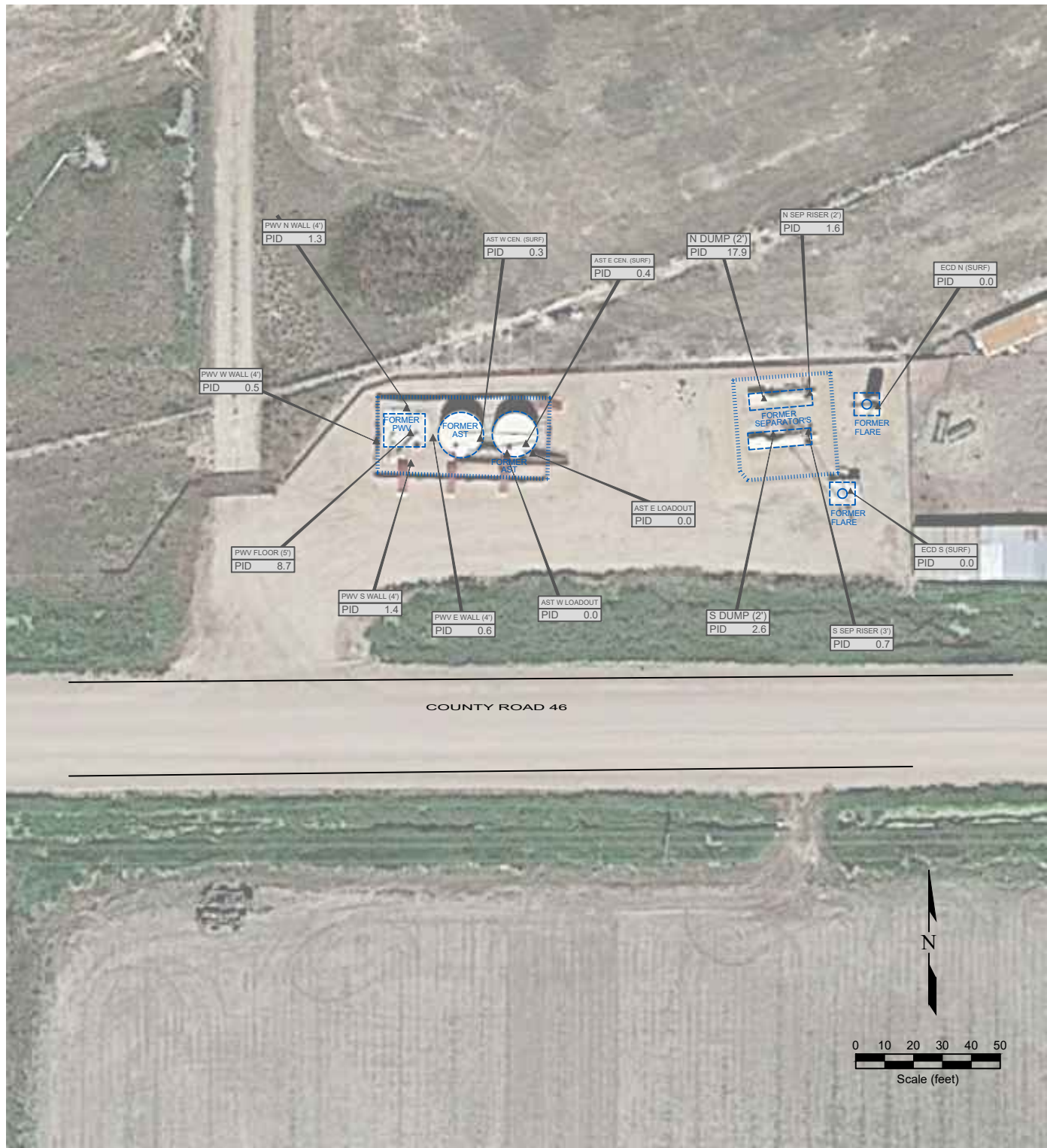
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

NOBLE ENERGY INC - BARTON C 15-29
SWSW Sec. 10, T4N, R64W, 6th PM
Weld County, Colorado
40.319902°, -104.539647°

Project # CO23-263	API #	Facility # 413215
Date 1/20/25	Remediation # 30384	Filename 23263T






LEGEND

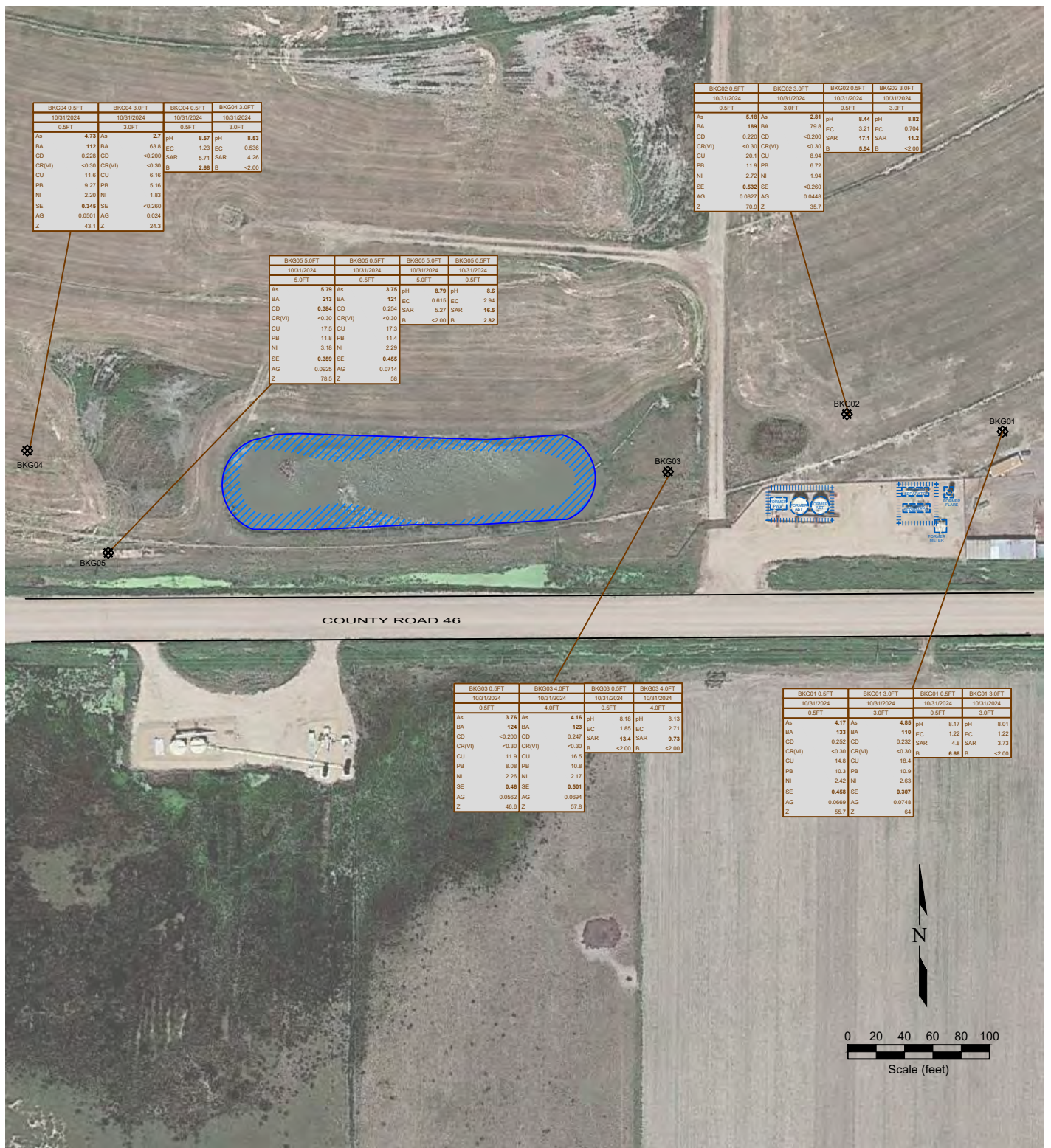
- WELL HEAD LOCATION
- ▲ PID READING LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- EXTENT OF EXCAVATION
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

PID READING LOCATION IDENTIFICATION
PID 0.1 PHOTO IONIZATION DETECTION (ppm)

Figure 2
SITE MAP

NOBLE ENERGY INC - BARTON C 15-29
SWSW Sec. 10, T4N, R64W, 6th PM
Weld County, Colorado
40.319902°, -104.539647°

Project No. CO23-263	API #	Facility # 413215	
Date 1/21/25	Remediation # 30384	Filename 23263Q1	



LEGEND

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

SAMPLE ID	DATE SAMPLED	DEPTH (ft)	DEPTH (ft)
As	<0.01	As	<0.01
BA	<0.01	BA	<0.01
CD	<0.01	CD	<0.01
CR(VI)	<0.01	CR(VI)	<0.01
CU	<0.01	CU	<0.01
PB	<0.01	PB	<0.01
NI	<0.01	NI	<0.01
SE	<0.01	SE	<0.01
AG	<0.01	AG	<0.01
Z	<0.01	Z	<0.01

Figure 4
BACKGROUND SAMPLE SOIL CHEMISTRY MAP

NOBLE ENERGY INC - BARTON C 15-29
SWSW Sec. 10, T4N, R64W, 6th PM
Weld County, Colorado
40.319902°, -104.539647°

Project No. CO23-263	API #	Facility # 413215	REMONT ENVIRONMENTAL
Date 11/08/2023	Remediation # 30384	Filename 23263QFC1	

Photo Log



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