

# **FREMONT ENVIRONMENTAL INC.**

February 19, 2024

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

Subject:           **Facility Closure Data Submittal**  
                  DAVIS T5N-R65W-S4 L01 Facility  
                  SWSE Sec. 31, T3N, R64W  
                  Weld County, Colorado  
                  Fremont Project No. C023-291  
                  Facility # 488671

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted facility closure activities for the Noble Energy Inc. (Noble) DAVIS T5N-R65W-S4 L01. Impacted soil was not encountered during abandonment activities. Details of the DAVIS T5N-R65W-S4 L01 facility closure activities are documented in the attached Closure Report. Groundwater was not encountered during facility abandonment activities.

Please contact me at (303) 956-8714 if you require any additional information. Fremont appreciates the opportunity to provide this service.

Sincerely,

**FREMONT ENVIRONMENTAL INC.**



Paul V. Henehan, P.E.  
Senior Consultant

Attachments:

- Facility Closure Checklist
- Tables
- Figures
- Photos



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

## 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:		Date:						Remediation Project #:	
Associated Wells:		Age of Site:						Number of Photos Attached:	
Location: (GPS coordinates of vault or southeastern tank berm for multiple)							Estimated Facility Size (acres):		
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)									
USCS Soil Type:				Estimated Depth to Groundwater:					
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)									
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)									
Buried or Partially Buried Vessels									
Tank Contents									
Size (barrels)									
Age									
Construction Material									
Visual Integrity of Tank									
Condition of tank Foundation									
PID Readings									
Condition of Jumbo Line									
PID Readings									
Sample taken? Location/Sample ID#									
Photo Number(s)									
Other observations regarding partially buried vessels:									
Summary									
Was impacted soil identified?									
No			Yes - less than 10 cubic yards			Yes - more than 10 cubic yards			
Total number of samples field screened:				Total number of samples collected:					
Highest PID Reading:				Total number of samples submitted to lab for analysis:					
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?									
Was groundwater encountered during the investigation?									
No			Yes - not impacted or in contact with impacted soils			Yes - groundwater impacted and/or in contact with impacted soils			
Measured depth to groundwater:				Was remedial groundwater removal conducted?    Yes    No					
Date Groundwater was encountered:				Commencement date of removal:					
Sheen on groundwater?                      Yes                      No			Volume of groundwater removed prior to sampling:						
Free product observed?                      Yes                      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**  
**DAVIS T5N-R65W-S4 L01 , WELD COUNTY, COLORADO**  
**FAC # 488671**

Sample ID	Sample Date	Depth (ft)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
AST01@0.5'	11/9/2023	0.5	40.431779	-104.667532	-	7.8
PWV01-B@5	11/9/2023	5	40.431767	-104.667613	-	12.3
PWV01-E@4	11/9/2023	4	40.431768	-104.667585	-	6.8
PWV01-N@4'	11/9/2023	4	40.431778	-104.667597	-	11.3
PWV01-S@4	11/9/2023	4	40.431739	-104.667596	-	14.4
PWV01-W@4	11/9/2023	4	40.431761	-104.667647	-	13
SEP01-DL@4	11/9/2023	4	40.431659	-104.667979	-	7.5
SEP01-FL@4'	11/9/2023	4	40.431623	-104.667931	-	-
SEP02-DL@4	11/9/2023	4	40.431575	-104.667931	-	11.7
SEP02-FL@4	11/9/2023	4	40.431595	-104.667980	-	3.5
ECD01	11/9/2023	Surface	40.431692	-104.667930	-	0.2
MH01	11/9/2023	Surface	40.431691	-104.667939	-	0.2
BKG01	11/9/2023	Multiple Depths	40.431663	-104.668114	-	-
BKG02	11/9/2023	Multiple Depths	40.431926	-104.668117	-	-
BKG03	11/9/2023	Multiple Depths	40.432022	-104.667851	-	-
BKG04	11/9/2023	Multiple Depths	40.431990	-104.667535	-	-
BKG05	11/9/2023	Multiple Depths	40.431846	-104.667865	-	-

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  
DAVIS T5N-R65W-S4 L01 , WELD COUNTY, COLORADO  
FAC # 488671

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**		
AST01@0.5'	11/09/2023	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
PWV01-B@5'	11/09/2023	5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
PWV01-S@4'	11/09/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
SEP01-DL@4'	11/09/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<0.50	<50	<50
SEP02-DL@4'	11/09/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	<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  
DAVIS T5N-R65W-S4 L01 , WELD COUNTY, COLORADO  
FAC # 488671

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
AST01@0.5'	11/09/2023	0.5	<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
PWV01-B@5'	11/09/2023	5	<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
PWV01-S@4'	11/09/2023	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
SEP01-DL@4'	11/09/2023	4	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00507	<0.00500	<0.00500
SEP02-DL@4'	11/09/2023	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

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**  
**DAVIS T5N-R65W-S4 L01 , WELD COUNTY, COLORADO**  
**FAC # 488671**

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
AST01@0.5'	11/09/2023	0.5	7.47	0.466	0.312	<2.00
PWV01-B@5'	11/09/2023	5	<b>9.27</b>	0.079	0.036	<2.00
PWV01-S@4'	11/09/2023	4	7.49	0.0125	0.033	<2.00
SEP01-DL@4'	11/09/2023	4	<b>8.39</b>	1.12	1.04	<2.00
SEP02-DL@4'	11/09/2023	4	8.06	0.649	0.216	<2.00
BKG01@0.5'	11/09/2023	0.5	7.31	0.531	0.335	<2.00
BKG01@4'	11/09/2023	4	<b>8.74</b>	0.23	0.731	<2.00
BKG01@5'	11/09/2023	5	7.67	0.479	0.354	<2.00
BKG02@0.5'	11/09/2023	0.5	7.7	0.44	0.312	<2.00
BKG02@4'	11/09/2023	4	7.49	0.443	0.305	<2.00
BKG02@5'	11/09/2023	5	7.3	0.548	0.309	<2.00
BKG03@0.5'	11/09/2023	0.5	7.59	0.509	0.372	<2.00
BKG03@4'	11/09/2023	4	8.04	0.584	0.418	<2.00
BKG03@5'	11/09/2023	5	7.81	0.433	0.311	<2.00
BKG04@0.5'	11/09/2023	0.5	7.58	0.404	0.3	<2.00
BKG04@4'	11/09/2023	4	7.67	0.46	0.334	<2.00
BKG04@5'	11/09/2023	5	7.56	0.443	0.327	<2.00
BKG05@0.5'	11/09/2023	0.5	7.82	0.492	0.337	<2.00
BKG05@4'	11/09/2023	4	7.82	0.294	0.207	<2.00
BKG05@5'	11/09/2023	5	7.45	0.444	0.272	<2.00
Maximum Background Concentration			8.74	0.584	0.731	<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

TABLE 5  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
NOBLE 100322  
DAVIS T5N-R65W-S4 L01 , WELD COUNTY, COLORADO  
FAC # 488671

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
AST01@0.5'	11/09/2023	0.5	<b>1.89</b>	40.1	<0.200	<0.30	3.34	2.84	3	<0.260	<0.0200	11.5
PWV01-B@5'	11/09/2023	5	<b>0.827</b>	6.64	<0.200	<0.30	1.71	1.1	1.33	<0.260	<0.0200	4.79
PWV01-S@4'	11/09/2023	4	<b>0.729</b>	7.03	<0.200	<0.30	1.65	1.14	1.38	<0.260	<0.0200	4.15
SEP01-DL@4'	11/09/2023	4	<b>2.97</b>	62.6	0.217	<0.30	6.3	7.16	5.03	<b>0.333</b>	0.0321	28.1
SEP02-DL@4'	11/09/2023	4	<b>2.11</b>	40.4	<0.200	<0.30	3.96	4.15	4.06	<0.260	<0.0200	14.6
BKG01@0.5'	11/09/2023	0.5	<b>2.64</b>	<b>92.6</b>	0.231	<0.30	7.93	<b>19.3</b>	4.9	<0.260	0.0446	36.8
BKG01@4'	11/09/2023	4	<b>2.61</b>	<b>96.8</b>	0.219	<0.30	7.97	<b>19</b>	4.89	<0.260	0.0439	35.3
BKG01@5'	11/09/2023	5	<b>2.53</b>	80.9	<0.200	<0.30	7.36	<b>17.8</b>	4.38	<0.260	0.04	31.7
BKG02@0.5'	11/09/2023	0.5	<b>2.6</b>	<b>90.1</b>	0.212	<0.30	7.41	<b>21.8</b>	4.68	<0.260	0.0424	33.7
BKG02@4'	11/09/2023	4	<b>2.46</b>	<b>91.2</b>	0.217	<0.30	7.53	<b>24</b>	4.58	<0.260	0.0433	36.6
BKG02@5'	11/09/2023	5	<b>2.77</b>	<b>115</b>	0.263	<0.30	8.13	<b>26.3</b>	5.18	<0.260	0.0531	41.6
BKG03@0.5'	11/09/2023	0.5	<b>2.14</b>	71.2	<0.200	<0.30	6.41	<b>14.6</b>	4.22	<0.260	0.0331	27.3
BKG03@4'	11/09/2023	4	<b>3.02</b>	<b>100</b>	0.239	<0.30	7.68	<b>27.1</b>	5.07	<0.260	0.0481	37.4
BKG03@5'	11/09/2023	5	<b>2.41</b>	<b>85.3</b>	0.211	<0.30	6.8	<b>22.4</b>	4.44	<0.260	0.0402	44.8
BKG04@0.5'	11/09/2023	0.5	<b>2.58</b>	<b>89.8</b>	0.217	<0.30	7.13	<b>16.8</b>	4.83	<0.260	0.0434	31
BKG04@4'	11/09/2023	4	<b>2.96</b>	<b>100</b>	0.25	<0.30	10.8	<b>21.2</b>	5.38	<0.260	0.0467	37.4
BKG04@5'	11/09/2023	5	<b>2.97</b>	<b>99.1</b>	0.242	<0.30	7.55	<b>36.1</b>	5.19	<b>0.264</b>	0.0472	34.2
BKG05@0.5'	11/09/2023	0.5	<b>2.6</b>	<b>91.8</b>	0.216	<0.30	7.34	<b>19.9</b>	4.73	<0.260	0.0473	34.4
BKG05@4'	11/09/2023	4	<b>2.13</b>	80.1	<0.200	<0.30	6.66	<b>18.8</b>	4.36	<0.260	0.0394	39.6
BKG05@5'	11/09/2023	5	<b>2.31</b>	80.1	<0.200	<0.30	6.66	<b>18.8</b>	4.36	<0.260	0.0394	39.6
1.25x Maximum Background Concentration			3.78	144	0.32875	<0.30	13.5	45.1	6.725	0.330	0.0664	56

- 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.

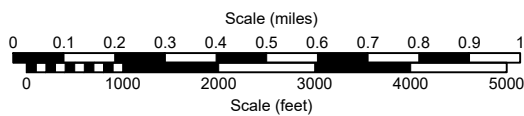
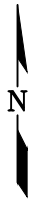
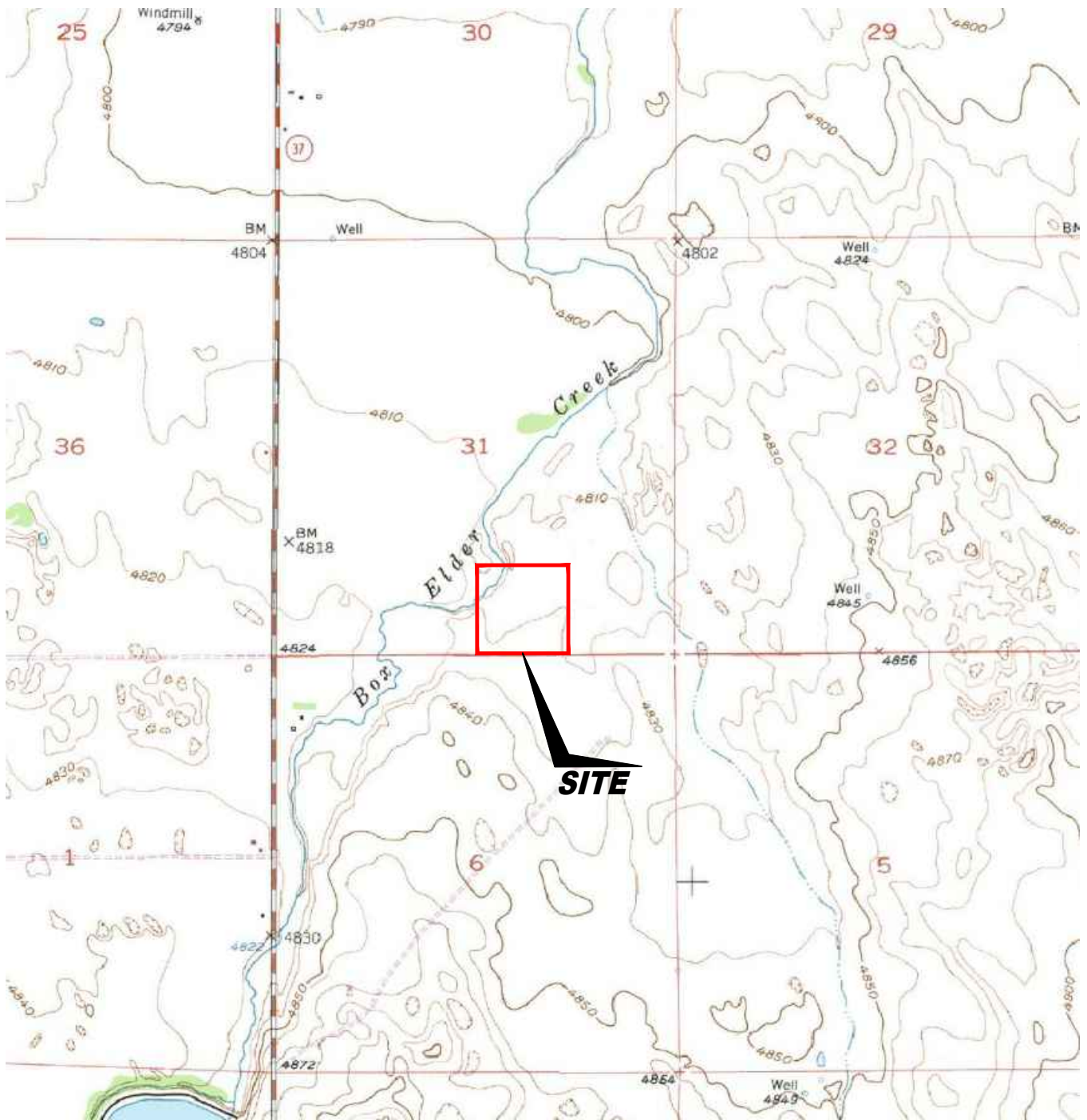
mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

\* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed



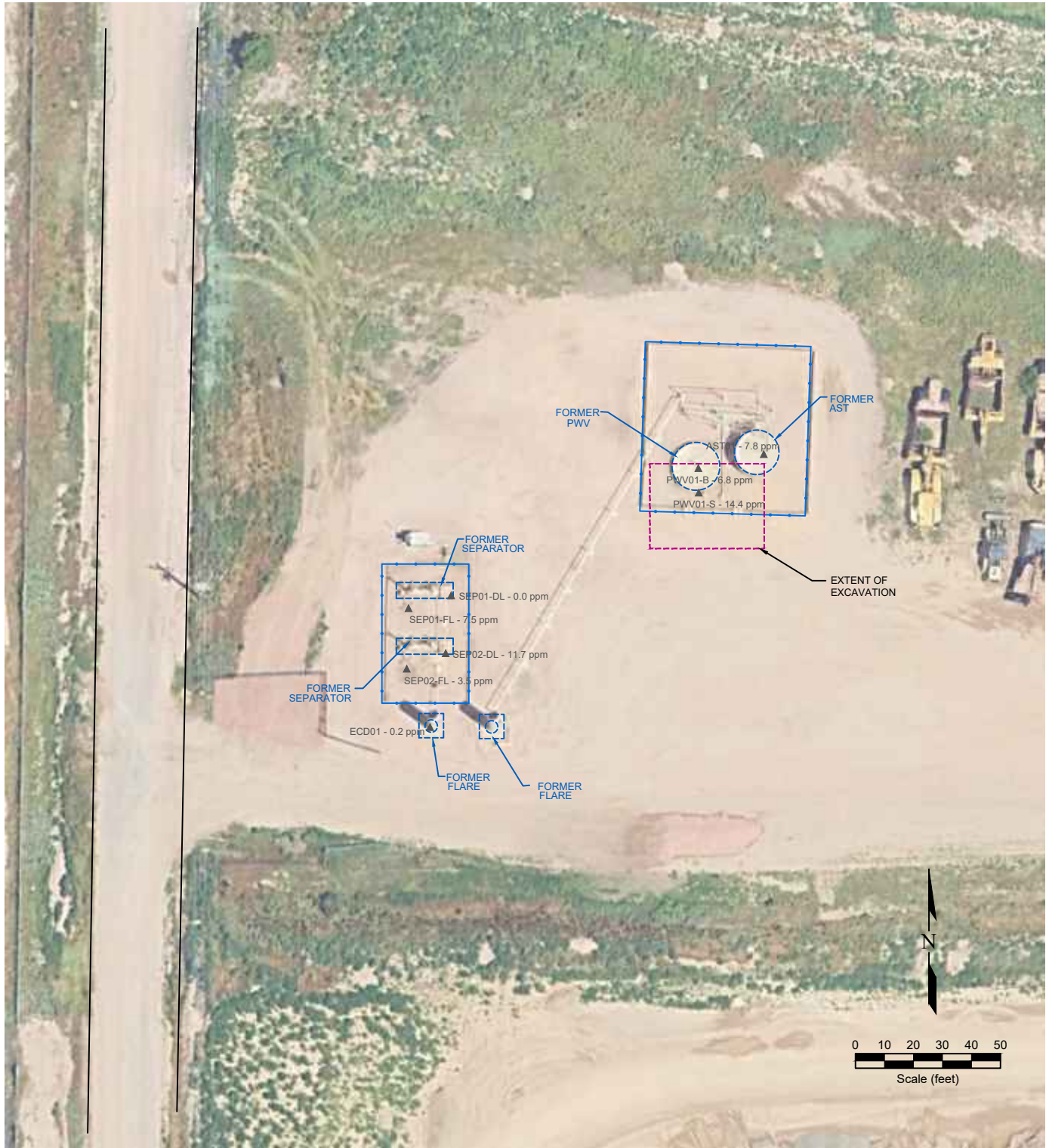
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1  
**SITE LOCATION MAP**

**Noble Energy, Inc.**  
**Davis T5N-R65W-S4 L01 Facility**  
 SWSE Sec. 31, T3N, R64W, 6th PM  
 Weld County, Colorado  
 40.43161°, -104.667962°

Project # <b>C023-291</b>	API #	Facility # <b>488671</b>
Date <b>2/26/25</b>	Remediation # <b>21058</b>	Filename <b>23291T</b>





**LEGEND**

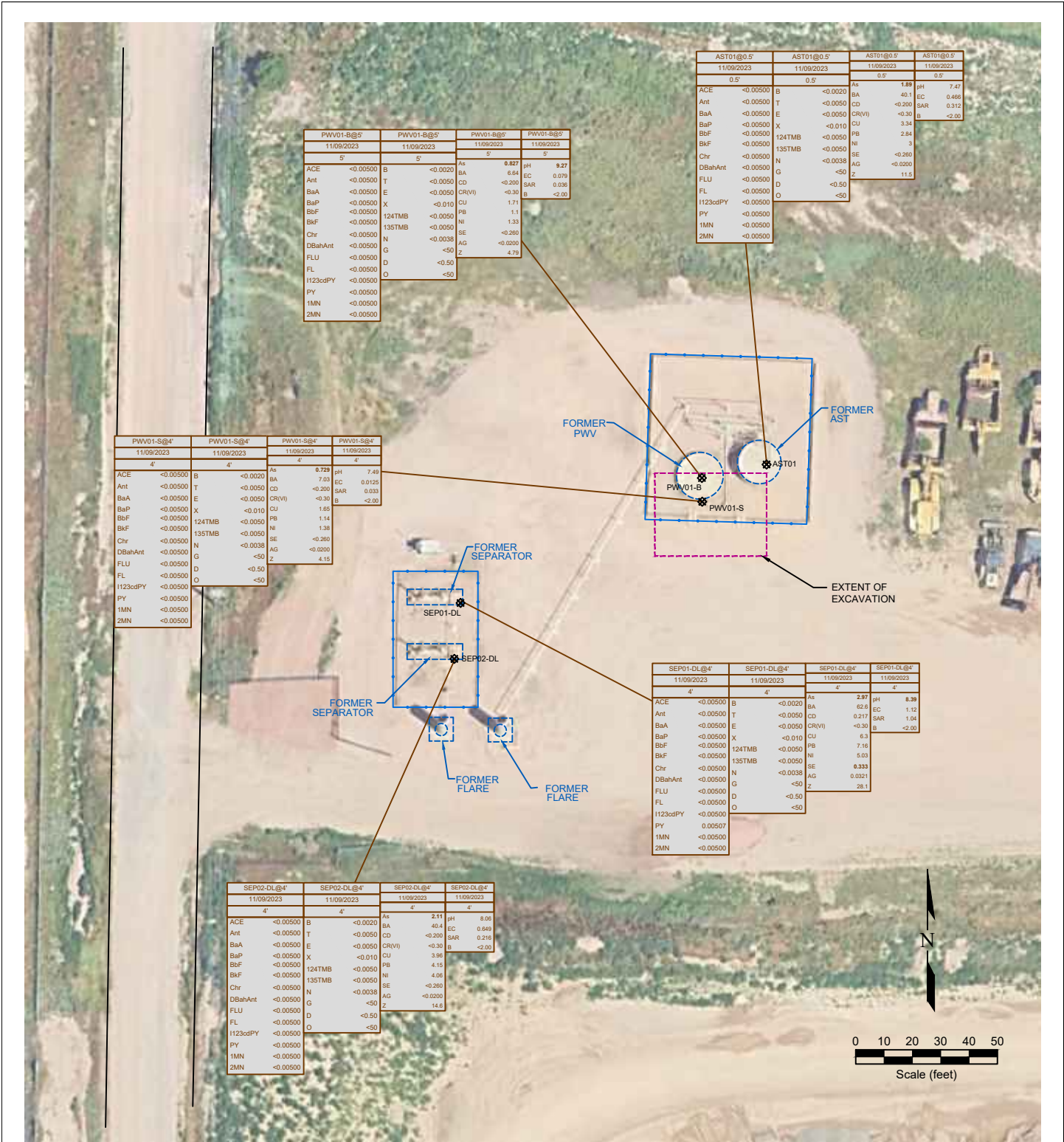
- ▲ PID READING LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- FORMER FLOWLINE
- EXTENT OF EXCAVATION
- FENCE LINE
- CONTAINMENT BERM

**Figure 2  
SITE MAP**

**Noble Energy, Inc.**  
**Davis T5N-R65W-S4 L01 Facility**  
 SWSE Sec. 31, T3N, R64W, 6th PM  
 Weld County, Colorado  
 40.43161°, -104.667962°

Project No. <b>C023-291</b>	API #	Facility # <b>488671</b>
Date <b>2/26/25</b>	Remediation # <b>21058</b>	Filename <b>23291Q1</b>





PWV01-B@5'		PWV01-B@5'		PWV01-B@5'		PWV01-B@5'	
11/09/2023		11/09/2023		11/09/2023		11/09/2023	
5'		5'		5'		5'	
ACE	<0.00500	B	<0.0020	As	0.827	pH	9.27
Ant	<0.00500	T	<0.0050	BA	6.64	EC	0.079
BaA	<0.00500	E	<0.0050	CD	<0.200	SAR	0.036
BaP	<0.00500	X	<0.010	CR(VI)	<0.30	B	<2.00
BbF	<0.00500	124TMB	<0.0050	PB	1.71		
BkF	<0.00500	135TMB	<0.0050	NI	1.33		
Chr	<0.00500	N	<0.0038	SE	<0.260		
DBahAnt	<0.00500	G	<0.0038	AG	<0.0200		
FLU	<0.00500	D	<0.50	Z	4.79		
FL	<0.00500	O	<0.50				
1123cdPY	<0.00500						
PY	<0.00500						
1MN	<0.00500						
2MN	<0.00500						

AST01@0.5'		AST01@0.5'		AST01@0.5'		AST01@0.5'	
11/09/2023		11/09/2023		11/09/2023		11/09/2023	
0.5'		0.5'		0.5'		0.5'	
ACE	<0.00500	B	<0.0020	As	1.89	pH	7.47
Ant	<0.00500	T	<0.0050	BA	40.1	EC	0.466
BaA	<0.00500	E	<0.0050	CD	<0.200	SAR	0.312
BaP	<0.00500	X	<0.010	CR(VI)	<0.30	B	<2.00
BbF	<0.00500	124TMB	<0.0050	CU	3.34		
BkF	<0.00500	135TMB	<0.0050	PB	2.84		
Chr	<0.00500	N	<0.0038	NI	3		
DBahAnt	<0.00500	G	<0.0038	SE	<0.260		
FLU	<0.00500	D	<0.50	AG	<0.0200		
FL	<0.00500	O	<0.50	Z	11.5		
1123cdPY	<0.00500						
PY	<0.00500						
1MN	<0.00500						
2MN	<0.00500						

PWV01-S@4'		PWV01-S@4'		PWV01-S@4'		PWV01-S@4'	
11/09/2023		11/09/2023		11/09/2023		11/09/2023	
4'		4'		4'		4'	
ACE	<0.00500	B	<0.0020	As	0.729	pH	7.49
Ant	<0.00500	T	<0.0050	BA	7.03	EC	0.125
BaA	<0.00500	E	<0.0050	CD	<0.200	SAR	0.033
BaP	<0.00500	X	<0.010	CR(VI)	1.85	B	<2.00
BbF	<0.00500	124TMB	<0.0050	CU	1.14		
BkF	<0.00500	135TMB	<0.0050	PB	1.38		
Chr	<0.00500	N	<0.0038	SE	<0.260		
DBahAnt	<0.00500	G	<0.0038	AG	<0.0200		
FLU	<0.00500	D	<0.50	Z	4.15		
FL	<0.00500	O	<0.50				
1123cdPY	<0.00500						
PY	<0.00500						
1MN	<0.00500						
2MN	<0.00500						

SEP01-DL@4'		SEP01-DL@4'		SEP01-DL@4'		SEP01-DL@4'	
11/09/2023		11/09/2023		11/09/2023		11/09/2023	
4'		4'		4'		4'	
ACE	<0.00500	B	<0.0020	As	2.97	pH	8.39
Ant	<0.00500	T	<0.0050	BA	62.6	EC	1.12
BaA	<0.00500	E	<0.0050	CD	0.217	SAR	1.04
BaP	<0.00500	X	<0.010	CR(VI)	<0.30	B	<2.00
BbF	<0.00500	124TMB	<0.0050	CU	6.3		
BkF	<0.00500	135TMB	<0.0050	PB	7.16		
Chr	<0.00500	N	<0.0038	SE	5.03		
DBahAnt	<0.00500	G	<0.0038	AG	0.333		
FLU	<0.00500	D	<0.50	Z	0.021		
FL	<0.00500	O	<0.50		28.1		
1123cdPY	<0.00500						
PY	0.00507						
1MN	<0.00500						
2MN	<0.00500						

SEP02-DL@4'		SEP02-DL@4'		SEP02-DL@4'		SEP02-DL@4'	
11/09/2023		11/09/2023		11/09/2023		11/09/2023	
4'		4'		4'		4'	
ACE	<0.00500	B	<0.0020	As	2.11	pH	8.06
Ant	<0.00500	T	<0.0050	BA	40.4	EC	0.649
BaA	<0.00500	E	<0.0050	CD	<0.200	SAR	0.216
BaP	<0.00500	X	<0.010	CR(VI)	<0.30	B	<2.00
BbF	<0.00500	124TMB	<0.0050	CU	3.96		
BkF	<0.00500	135TMB	<0.0050	PB	4.15		
Chr	<0.00500	N	<0.0038	SE	4.06		
DBahAnt	<0.00500	G	<0.0038	AG	<0.260		
FLU	<0.00500	D	<0.50	Z	<0.0200		
FL	<0.00500	O	<0.50		14.8		
1123cdPY	<0.00500						
PY	<0.00500						
1MN	<0.00500						
2MN	<0.00500						

**LEGEND**

- SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- FORMER FLOWLINE
- EXTENT OF EXCAVATION
- FENCE LINE
- CONTAINMENT BERM

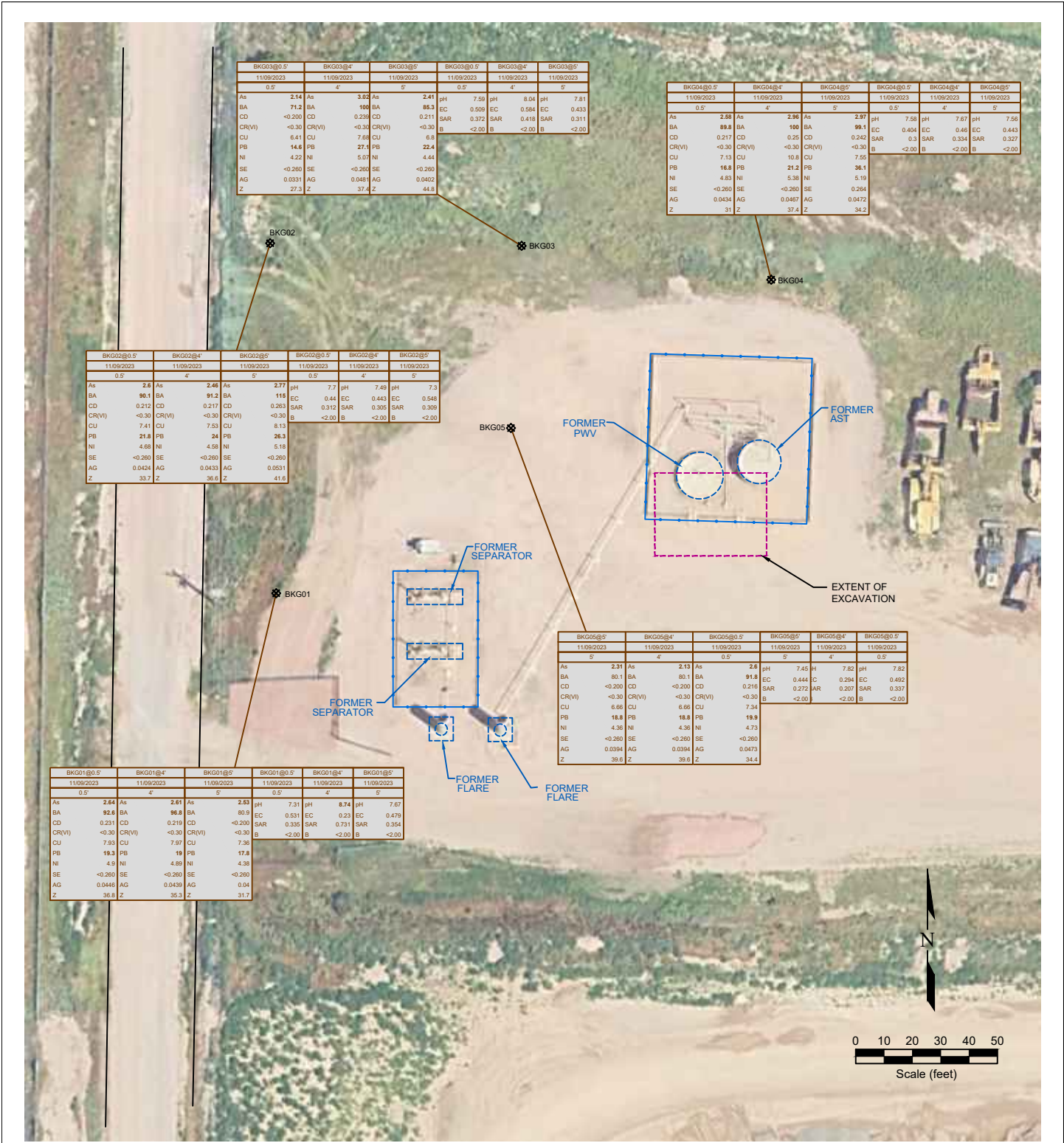
SAMPLE ID	DATE	SAMPLE ID	DATE	SAMPLE ID	DATE	SAMPLE ID	DATE	SAMPLE ID	DATE	
ACE	<0.00500	ACENAPHTHENE (mg/kg)	B	<0.0020	BENZENE (mg/kg)	As	<0.0050	ARSENIC (mg/kg)	As	2.97
Ant	<0.00500	ANTHRACENE (mg/kg)	T	<0.0050	TELURINE (mg/kg)	BA	<0.0050	BARIIUM (mg/kg)	BA	62.6
BaA	<0.00500	BENZO (A) ANTHRACENE (mg/kg)	E	<0.0050	ETHYLBENZENE (mg/kg)	CD	<0.200	CADMIUM (mg/kg)	CD	0.217
BaP	<0.00500	BENZO (A) PYRENE (mg/kg)	X	<0.010	TOTAL XYLENE (mg/kg)	CR(VI)	<0.30	CHROMIUM (mg/kg)	CR(VI)	<0.30
BbF	<0.00500	BENZO (B) FLUORANTHENE (mg/kg)	124TMB	<0.0050	1,2,4-TRIMETHYLBENZENE (mg/kg)	CU	<0.010	COPPER (mg/kg)	CU	6.3
BkF	<0.00500	BENZO (K) FLUORANTHENE (mg/kg)	135TMB	<0.0050	1,3,5-TRIMETHYLBENZENE (mg/kg)	PB	<0.0050	PB	7.16	
Chr	<0.00500	CHRYSENE (mg/kg)	N	<0.0038	NAPHTHALENE (mg/kg)	NI	<0.0038	NI	5.03	
DBahAnt	<0.00500	DIBENZO (A,H) ANTHRACENE (mg/kg)	G	<0.50	TPH-DRO (mg/kg)	SE	<0.260	SELENIUM (mg/kg)	SE	0.333
FLU	<0.00500	FLUORANTHENE (mg/kg)	D	<0.50	TPH-ORO (mg/kg)	AG	<0.0200	AG	0.021	
FL	<0.00500	FLUORENE (mg/kg)	O	<0.50		Z	<0.50	Z	28.1	
1123cdPY	<0.00500	INDENO (1,2,3-CD) PYRENE (mg/kg)								
PY	<0.00500	PYRENE (mg/kg)								
1MN	<0.00500	1-METHYLNAPHTHALENE (mg/kg)								
2MN	<0.00500	2-METHYLNAPHTHALENE (mg/kg)								

Figure 3  
**SOIL CHEMISTRY MAP**

**Noble Energy, Inc.**  
**Davis T5N-R65W-S4 L01 Facility**  
 SWSE Sec. 31, T3N, R64W, 6th PM  
 Weld County, Colorado  
 40.43161° - 104.667962°

Project No. <b>C023-291</b>	API #	Facility # <b>488671</b>
Date <b>2/26/25</b>	Remediation # <b>21058</b>	Filename <b>23291Q1</b>





**LEGEND**

- SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- ▭ FORMER FACILITY
- FORMER FLOWLINE
- EXTENT OF EXCAVATION
- FENCE LINE
- ||||| CONTAINMENT BERM

SAMPLE DATE	SAMPLE ID	SS-01 DATE SAMPLED	SAMPLE ID		
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)		
As	<-0.01	ARSENIC (mg/kg)	pH	7.00	SAR (units)
BA	<-0.01	BARIUM (mg/kg)	EC	<-1	pH (mhos/cm)
CD	<-0.01	CADMIUM (mg/kg)	SAR	<-500	EC (mhos/cm)
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	<-0.1	SELENIUM (mg/kg)			
AG	<-0.01	SILVER (mg/kg)			
Z	<-0.01	ZINC (mg/kg)			

**Figure 4  
BACKGROUND SAMPLE SOIL CHEMISTRY MAP**

**Noble Energy, Inc.**  
**Davis T5N-R65W-S4 L01 Facility**  
 SWSE Sec. 31, T3N, R64W, 6th PM  
 Weld County, Colorado  
 40.43161°, -104.667962°

Project No. <b>C023-291</b>	API #	Facility # <b>488671</b>	
Date <b>2/26/25</b>	Remediation # <b>21058</b>	Filename <b>23291Q1</b>	



**Description:**

#1 DAVIS T5N-R65W-S4 L01 Facility: Meter House

# Photo Log



***Description:***

#2 DAVIS T5N-R65W-S4 L01 Facility: PWV01-S

# Photo Log



**Description:**

#3 DAVIS T5N-R65W-S4 L01 Facility: AST01

# Photo Log



***Description:***

#4 DAVIS T5N-R65W-S4 L01 Facility: PWV01-W



***Description:***

#5 DAVIS T5N-R65W-S4 L01 Facility: PWV01-N



***Description:***

#6 DAVIS T5N-R65W-S4 L01 Facility: SEP01-FL



***Description:***

#7 DAVIS T5N-R65W-S4 L01 Facility: ECD01



***Description:***

#8 DAVIS T5N-R65W-S4 L01 Facility: SEnt D31-42P01-DL



***Description:***

#9 DAVIS T5N-R65W-S4 L01 Facility: PWV01-B



***Description:***

#10 DAVIS T5N-R65W-S4 L01 Facility: PWV01-S