

FREMONT ENVIRONMENTAL INC.

March 7, 2024

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

Subject: **Flowline Closure Data Submittal**
 Huntsman G 13-9
 API # 05-123-16321
 NESE Sec. 13, T4N, R65W
 Weld County, Colorado
 Fremont Project No. C024-017
 Facility ID #248523, Remediation #31082

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted Flowline Closure activities for the Noble Energy Inc. (Noble) Huntsman G 13-9. Impacted soil was not encountered during abandonment activities. Details of the Huntsman G 13-9 flowline closure activities are documented in the attached Closure Report. Groundwater was not encountered during flowline 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
- Laboratory Reports

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

Flowline Closure Checklist

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

| | | | | | | | | |
|---|--|----------------------|--|------------------|--------------------------------------|-------------|--|--------------------------------|
| Additional Attachments: | | Tank Battery Closure | | Wellhead Closure | | Pit Closure | | Partially Buried Vault Closure |
| Site Name & COGCC Facility Number: Huntsman T4N-R65W-S13 L01 Facility: 327421 | | Date: 01/23/2024 | | | Remediation Project #: 31082 | | | |
| Associated Wells: Huntsman G 13-9 Facility ID: 248523 API: 05-123-16321 | | Age of Site: 1992 | | | Number of Photos Attached: 13 Photos | | | |

Starting point: (GPS coordinates and descriptions) 40.3105625, -104.6046507

End point: (GPS coordinates and descriptions) 40.3121323, -104.6083734

USCS Soil Type: SC & SW Estimated Depth to Groundwater: N/A

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

Flowlines

| | | | | | | | | |
|-----------------------------------|-------------------------------------|--|--|--|--|--|--|--|
| Flowline type | 2" Steel | | | | | | | |
| Depth | Roughly 3-4ft | | | | | | | |
| Age | 1992 | | | | | | | |
| Length | 1,210ft | | | | | | | |
| Construction Material | No Coating | | | | | | | |
| Were flowlines pulled? | Partially | | | | | | | |
| Visual Integrity of lines | No Damage | | | | | | | |
| Visual impacts if trenched | N/A | | | | | | | |
| PID Readings if trenched | N/A | | | | | | | |
| Sample taken? Location/Sample ID# | FL01@4.0' FL02@3.5' FL07@4.0' | | | | | | | |
| Photo Number(s) | Photo 1A-1G & 2A-2F | | | | | | | |

Other observations regarding on loction flowlines: 410 feet of flowline was removed from wellhead tie-in (FL01@4.0') to sample location FL04@5.5'. 340 feet of flowline was cut, capped and abandoned-in-place from sample location FL04@5.5' to sample location FL05@5.0'. 460 feet of flowline was removed from sample location FL05@5.0' to separator tie-in (FL07@4.0') sample location. An exceedance in pH was discovered at the wellhead tie-in (FL01@4.0') sample location. An exceedance arsenic was discovered at the wellhead tie-in (FL01@4.0'), sample location FL02@3.5' and the separator tie-in (FL07@4.0'). An exceedance in barium was discovered at both the wellhead tie-in (FL01@4.0') and separator tie-in (FL07@4.0'). Exceedances in pH and barium were discovered in multiple local background samples collected and exceedances in arsenic were discovered in all local background samples.

Summary

| | | | | |
|---|--|---|--------------------------------|--|
| Was impacted soil identified? | | No | Yes - less than 10 cubic yards | Yes - more than 10 cubic yards |
| Total number of samples field screened: 4 samples | | Total number of samples collected: 23 samples | | |
| Highest PID Reading: High @ 0.0ppm (All Samples) | | Total number of samples submitted to lab for analysis: 19 Samples | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | |
| Vertical extent: N/A | | Estimated spill volume: N/A | | |
| Lateral extent: N/A | | Volume of soil removed: N/A | | |
| Is additional investigation required? N/A | | | | |
| 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: N/A | | Was remedial groundwater removal conducted? Yes No | | |
| Date Groundwater was encountered: N/A | | Commencement date of removal: N/A | | |
| Sheen on groundwater? Yes No | | Volume of groundwater removed prior to sampling: N/A | | |
| Free product observed? Yes No | | Volume of groundwater removed post sampling: N/A | | |
| Total number of samples collected: N/A | | Total Volume of groundwater removed: N/A | | |
| Total number of samples submitted to lab for analysis: N/A | | | | |

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
HUNTSMAN G 13-9, WELD COUNTY, COLORADO
REM # 31082

| Sample ID | Sample Date | Depth (ft) | GPS Data Latitude/Longitude | | PDOP Value | VOC Concentration (ppm) |
|-----------|-------------|------------------------|--------------------------------|--------------|------------|----------------------------|
| FL02@3.5' | 1/23/2024 | 3.5 Ft | 40.3107033 | -104.6047606 | - | 0.0 |
| FL03@3.5' | 1/23/2024 | 3.5 Ft | 40.3108658 | -104.6053233 | - | 0.0 |
| FL01@4.0' | 1/23/2024 | 4.0 Ft | 40.3105625 | -104.6046507 | - | 0.0 |
| FL07@4.0' | 1/23/2024 | 4.0 Ft | 40.3121323 | -104.6083734 | - | 0.0 |
| FL05@5.0' | 1/23/2024 | 5.0 Ft | 40.3115127 | -104.6069583 | - | 0.0 |
| FL06@5.0' | 1/23/2024 | 5.0 Ft | 40.3117881 | -104.6076225 | - | 0.0 |
| FL04@5.5' | 1/23/2024 | 5.5 Ft | 40.3110714 | -104.6059039 | - | 0.0 |
| BKG01 | 1/23/2024 | 0.5 Ft, 4.0 Ft, 5.0 Ft | 40.3119596 | -104.6090823 | - | 0.0 |
| BKG02 | 1/23/2024 | 0.5 Ft, 4.0 Ft, 5.0 Ft | 40.3119028 | -104.6089585 | - | 0.0 |
| BKG03 | 1/23/2024 | 0.5 Ft, 4.0 Ft, 5.0 Ft | 40.3118850 | -104.6088412 | - | 0.0 |
| BKG04 | 1/23/2024 | 0.5 Ft, 4.0 Ft, 5.0 Ft | 40.3118812 | -104.6087034 | - | 0.0 |
| BKG05 | 1/23/2024 | 0.5 Ft, 4.0 Ft, 5.0 Ft | 40.3118753 | -104.6082945 | - | 0.0 |
| BKG06 | 1/23/2024 | 4.0 Ft | 40.3105989 | -104.6044973 | - | 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
HUNTSMAN G 13-9, WELD COUNTY, COLORADO
REM # 31082

| 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** | | |
| FL02@3.5' | 1/23/2024 | 3.5 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <500 | <0.50 | <50 | <50 |
| FL01@4.0' | 1/23/2024 | 4.0 Ft | <0.0200 | <0.0500 | <0.0500 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <500 | <0.50 | <50 | <50 |
| FL07@4.0' | 1/23/2024 | 4.0 Ft | <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
HUNTSMAN G 13-9, WELD COUNTY, COLORADO
REM # 31082

| 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 |
| FL02@3.5' | 1/23/2024 | 3.5 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 |
| FL01@4.0' | 1/23/2024 | 4.0 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 |
| FL07@4.0' | 1/23/2024 | 4.0 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 |

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
HUNTSMAN G 13-9, WELD COUNTY, COLORADO
REM # 31082

| 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 |
| FL02@3.5' | 1/23/2024 | 3.5 Ft | 8.29 | 5.14 | 0.590 | <2.00 |
| FL01@4.0' | 1/23/2024 | 4.0 Ft | 8.43 | 0.258 | 0.831 | <2.00 |
| FL07@4.0' | 1/23/2024 | 4.0 Ft | 8.12 | 0.248 | 0.0414 | <2.00 |
| BKG01@6.0" | 1/23/2024 | 0.5 Ft | 6.42 | 0.678 | 0.0546 | <2.00 |
| BKG02@6.0" | 1/23/2024 | 0.5 Ft | 6.97 | 0.644 | 0.0768 | <2.00 |
| BKG03@6.0" | 1/23/2024 | 0.5 Ft | 7.08 | 0.748 | 0.172 | <2.00 |
| BKG04@6.0" | 1/23/2024 | 0.5 Ft | 8.68 | 0.565 | 0.126 | <2.00 |
| BKG05@6.0" | 1/23/2024 | 0.5 Ft | 7.34 | 0.551 | 0.114 | <2.00 |
| BKG01@4.0' | 1/23/2024 | 4.0 Ft | 8.67 | 0.709 | 0.293 | <2.00 |
| BKG02@4.0' | 1/23/2024 | 4.0 Ft | 9.52 | 0.814 | 0.302 | <2.00 |
| BKG03@4.0' | 1/23/2024 | 4.0 Ft | 8.16 | 3.21 | 5.71 | <2.00 |
| BKG04@4.0' | 1/23/2024 | 4.0 Ft | 9.43 | 1.06 | 0.155 | <2.00 |
| BKG05@4.0' | 1/23/2024 | 4.0 Ft | 7.84 | 5.36 | 4.22 | <2.00 |
| BKG06@4.0' | 1/23/2024 | 4.0 Ft | 8.49 | 3.11 | 5.24 | <2.00 |

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
HUNTSMAN G 13-9, WELD COUNTY, COLORADO
REM # 31082

| 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@5.0' | 1/23/2024 | 5.0 Ft | 8.94 | 1.11 | 9.61 | <2.00 |
| BKG02@5.0' | 1/23/2024 | 5.0 Ft | 8.55 | 1.09 | 0.505 | <2.00 |
| BKG03@5.0' | 1/23/2024 | 5.0 Ft | 8.14 | 3.32 | 5.88 | <2.00 |
| BKG04@5.0' | 1/23/2024 | 5.0 Ft | 9.11 | 1.40 | 2.75 | <2.00 |
| BKG05@5.0' | 1/23/2024 | 5.0 Ft | 8.05 | 4.10 | 6.15 | <2.00 |
| Maximum Background Concentration | | 0.5 Ft | 8.68 | 0.748 | 0.172 | <2.00 |
| Maximum Background Concentration | | 4.0 Ft | 9.52 | 5.36 | 5.71 | <2.00 |
| Maximum Background Concentration | | 5.0 Ft | 9.11 | 4.10 | 9.61 | <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
HUNTSMAN G 13-9, WELD COUNTY, COLORADO
REM # 31082

| 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 |
| FL02@3.5' | 1/23/2024 | 3.5 Ft | 3.95 | 80.1 | <0.200 | <0.30 | 3.02 | 6.15 | 5.13 | <0.260 | <0.0200 | 19.0 |
| FL01@4.0' | 1/23/2024 | 4.0 Ft | 6.98 | 105 | 0.353 | <0.30 | 5.49 | 11.8 | 6.81 | <0.260 | 0.0252 | 25.2 |
| FL07@4.0' | 1/23/2024 | 4.0 Ft | 5.39 | 119 | 0.239 | <0.30 | 6.87 | 10.1 | 8.15 | <0.260 | 0.0462 | 24.4 |
| BKG01@6.0" | 1/23/2024 | 0.5 Ft | 3.28 | 89.1 | 0.309 | <0.30 | 5.90 | 10.2 | 5.30 | <0.260 | 0.0380 | 22.0 |
| BKG02@6.0" | 1/23/2024 | 0.5 Ft | 2.38 | 94.8 | 0.332 | <0.30 | 5.85 | 10.9 | 4.41 | <0.260 | 0.0371 | 28.6 |
| BKG03@6.0" | 1/23/2024 | 0.5 Ft | 1.31 | 46.8 | <0.200 | <0.30 | 3.67 | 6.62 | 2.73 | <0.260 | <0.0200 | 17.0 |
| BKG04@6.0" | 1/23/2024 | 0.5 Ft | 0.958 | 30.3 | <0.200 | <0.30 | 3.10 | 5.02 | 2.36 | <0.260 | <0.0200 | 12.7 |
| BKG05@6.0" | 1/23/2024 | 0.5 Ft | 0.946 | 32.3 | <0.200 | <0.30 | 2.98 | 4.20 | 2.40 | <0.260 | <0.0200 | 12.3 |
| BKG01@4.0' | 1/23/2024 | 4.0 Ft | 5.46 | 171 | 0.415 | <0.30 | 5.63 | 10.9 | 7.31 | <0.260 | 0.0398 | 23.2 |
| BKG02@4.0' | 1/23/2024 | 4.0 Ft | 5.49 | 237 | 0.490 | <0.30 | 5.91 | 12.4 | 6.92 | <0.260 | 0.0414 | 24.4 |
| BKG03@4.0' | 1/23/2024 | 4.0 Ft | 1.41 | 60.8 | <0.200 | <0.30 | 3.08 | 4.11 | 3.26 | <0.260 | <0.0200 | 12.5 |
| BKG04@4.0' | 1/23/2024 | 4.0 Ft | 2.60 | 74.8 | <0.200 | <0.30 | 3.80 | 5.45 | 4.81 | <0.260 | <0.0200 | 15.9 |
| BKG05@4.0' | 1/23/2024 | 4.0 Ft | 1.83 | 72.8 | <0.200 | <0.30 | 3.47 | 4.67 | 4.01 | <0.260 | 0.0290 | 14.1 |
| BKG06@4.0' | 1/23/2024 | 4.0 Ft | 8.14 | 42.7 | <0.200 | <0.30 | 3.32 | 4.95 | 2.46 | <0.260 | <0.0200 | 16.3 |
| BKG01@5.0' | 1/23/2024 | 5.0 Ft | 5.23 | 120 | 0.366 | <0.30 | 5.93 | 11.8 | 7.15 | <0.260 | 0.0349 | 24.8 |
| BKG02@5.0' | 1/23/2024 | 5.0 Ft | 4.33 | 198 | 0.355 | <0.30 | 5.67 | 11.2 | 6.69 | <0.260 | 0.0359 | 24.3 |
| BKG03@5.0' | 1/23/2024 | 5.0 Ft | 1.99 | 55.6 | <0.200 | <0.30 | 3.63 | 5.52 | 3.67 | <0.260 | 0.0227 | 14.3 |
| BKG04@5.0' | 1/23/2024 | 5.0 Ft | 2.01 | 77.5 | <0.200 | <0.30 | 3.10 | 3.89 | 3.75 | <0.260 | <0.0200 | 11.0 |
| BKG05@5.0' | 1/23/2024 | 5.0 Ft | 3.58 | 131 | <0.200 | <0.30 | 4.61 | 6.99 | 6.09 | <0.260 | 0.0285 | 17.2 |
| 1.25x Maximum Background Concentration | | 0.5 Ft | 4.10 | 119 | 0.415 | <0.30 | 7.38 | 13.6 | 6.63 | <0.260 | 0.0475 | 35.8 |
| 1.25x Maximum Background Concentration | | 4.0 Ft | 10.2 | 296 | 0.613 | <0.30 | 7.39 | 15.5 | 9.14 | <0.260 | 0.0518 | 30.5 |
| 1.25x Maximum Background Concentration | | 5.0 Ft | 6.54 | 248 | 0.458 | <0.30 | 7.41 | 14.8 | 8.94 | <0.260 | 0.0449 | 31.0 |

- 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

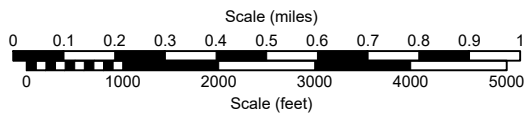
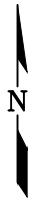
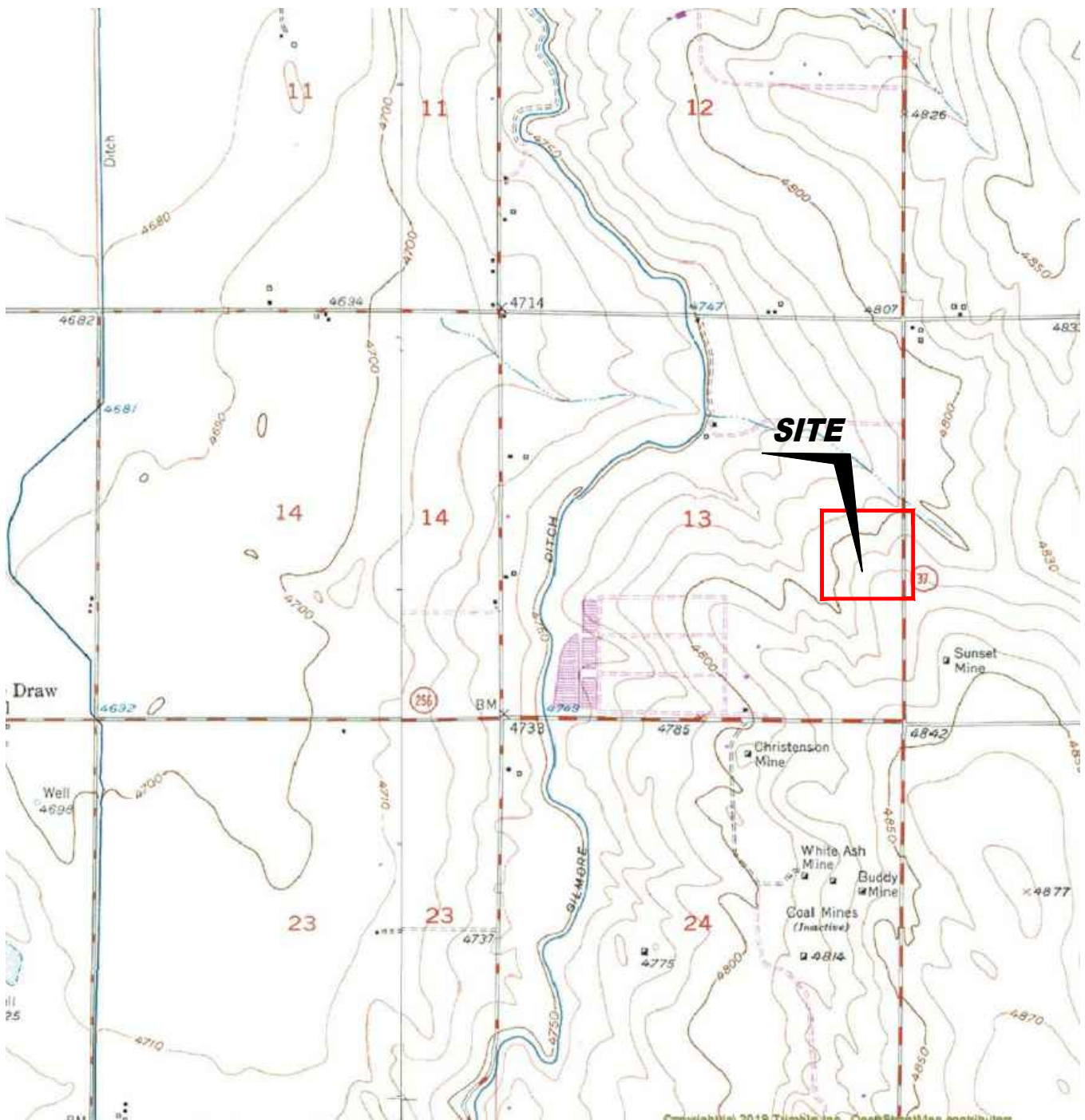
(<) = Analytical result is less than the indicated laboratory reporting limit.

mg/kg = Milligrams per kilogram

ft. = Feet bgs = Below ground surface

NA - Not analyzed/Not applicable

* Indicates laboratory minimum detection limit in excess of SSL



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP
NOBLE ENERGY INC ~ HUNTSMAN G 13-9

NESE Sec.13, T4N, R65W, 6th PM
 Weld County, Colorado
 40.310550°, -104.604642°

| | | |
|------------------------------|-------------------------------|-----------------------------|
| Project # C024-017 | API # 05-123-16321 | Facility # |
| Date 2/14/25 | Remediation # 31082 | Filename 24017TFL |





LEGEND

- WELL HEAD LOCATION
- ▲ PID READING LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- ABANDONED IN PLACE FLOW LINE
- FORMER FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL
- PID READING LOCATION IDENTIFICATION PHOTO IONIZATION DETECTION (ppm)

Figure 2

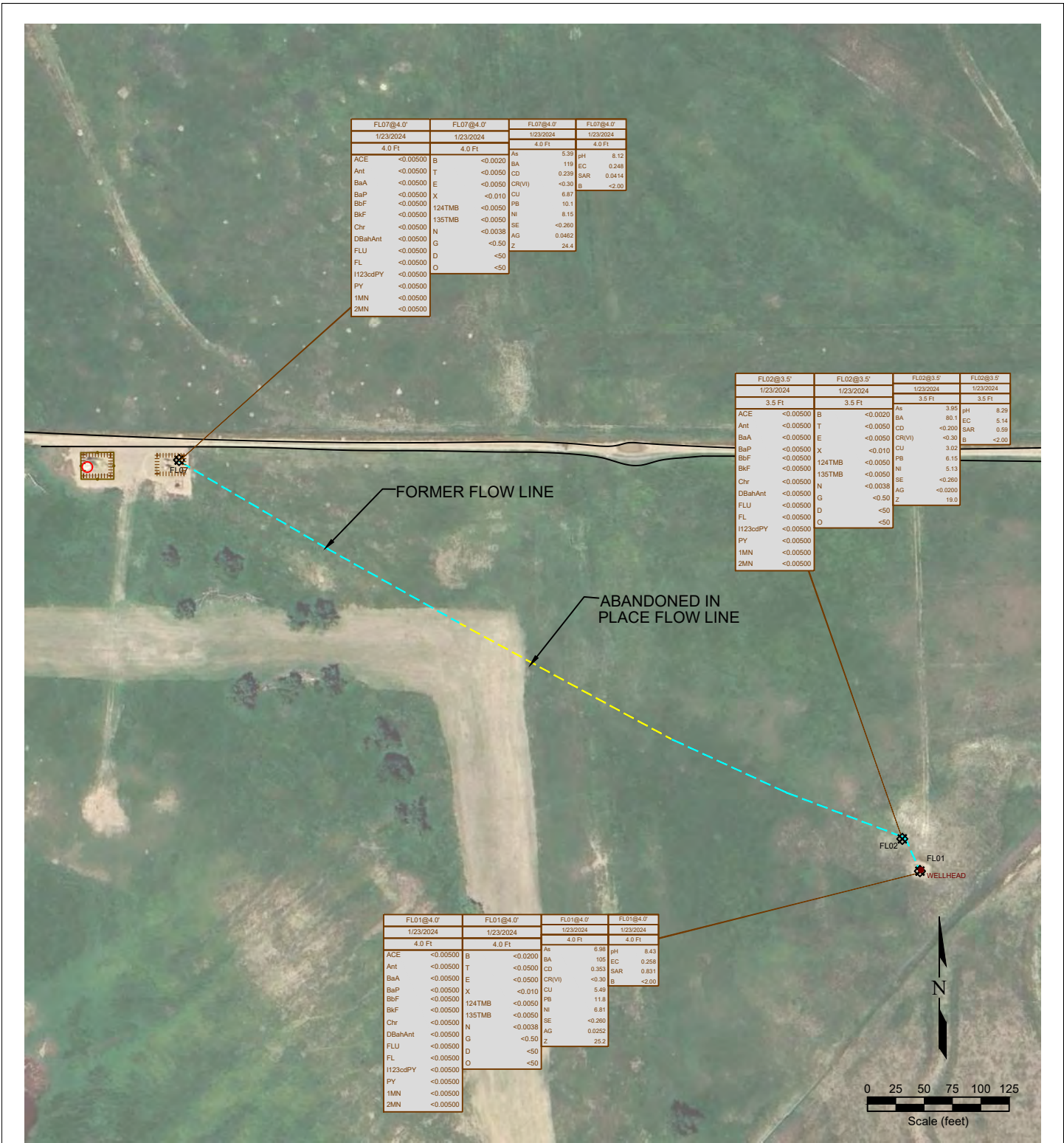
SITE MAP

NOBLE ENERGY INC ~ HUNTSMAN G 13-9

NESE Sec.13, T4N, R65W, 6th PM
Weld County, Colorado
40.310550°, -104.604642°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C024-017 | API # 05-123-16321 | Facility # |
| Date 2/14/25 | Remediation # 31082 | Filename 24017QFL |





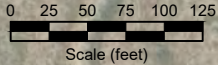
| FL07@4.0' | | FL07@4.0' | | FL07@4.0' | | FL07@4.0' | |
|-----------|----------|-----------|---------|-----------|---------|-----------|--------|
| 1/23/2024 | | 1/23/2024 | | 1/23/2024 | | 1/23/2024 | |
| 4.0 Ft | | 4.0 Ft | | 4.0 Ft | | 4.0 Ft | |
| ACE | <0.00500 | B | <0.0020 | As | 5.39 | pH | 8.12 |
| Ant | <0.00500 | T | <0.0050 | BA | 119 | EC | 0.248 |
| BaA | <0.00500 | E | <0.0050 | CD | 0.239 | SAR | 0.0414 |
| BaP | <0.00500 | X | <0.010 | CR(VI) | <-0.30 | B | <2.00 |
| BbF | <0.00500 | 124TMB | <0.0050 | CU | 6.87 | | |
| BkF | <0.00500 | 135TMB | <0.0050 | Pb | 10.1 | | |
| Chr | <0.00500 | N | <0.0038 | SE | <-0.260 | | |
| DBahAnt | <0.00500 | G | <-0.50 | AG | 0.0462 | | |
| FLU | <0.00500 | D | <-50 | Z | 24.4 | | |
| FL | <0.00500 | O | <-50 | | | | |
| 1123cdPY | <0.00500 | | | | | | |
| PY | <0.00500 | | | | | | |
| 1MN | <0.00500 | | | | | | |
| 2MN | <0.00500 | | | | | | |

| FL02@3.5' | | FL02@3.5' | | FL02@3.5' | | FL02@3.5' | |
|-----------|----------|-----------|---------|-----------|----------|-----------|-------|
| 1/23/2024 | | 1/23/2024 | | 1/23/2024 | | 1/23/2024 | |
| 3.5 Ft | | 3.5 Ft | | 3.5 Ft | | 3.5 Ft | |
| ACE | <0.00500 | B | <0.0020 | As | 3.95 | pH | 8.29 |
| Ant | <0.00500 | T | <0.0050 | BA | 90.1 | EC | 5.14 |
| BaA | <0.00500 | E | <0.0050 | CD | <-0.200 | SAR | 0.59 |
| BaP | <0.00500 | X | <0.010 | CR(VI) | <-0.30 | B | <2.00 |
| BbF | <0.00500 | 124TMB | <0.0050 | CU | 3.02 | | |
| BkF | <0.00500 | 135TMB | <0.0050 | Pb | 6.15 | | |
| Chr | <0.00500 | N | <0.0038 | SE | <-0.260 | | |
| DBahAnt | <0.00500 | G | <-0.50 | AG | <-0.0200 | | |
| FLU | <0.00500 | D | <-50 | Z | 19.0 | | |
| FL | <0.00500 | O | <-50 | | | | |
| 1123cdPY | <0.00500 | | | | | | |
| PY | <0.00500 | | | | | | |
| 1MN | <0.00500 | | | | | | |
| 2MN | <0.00500 | | | | | | |

FORMER FLOW LINE

ABANDONED IN PLACE FLOW LINE

| FL01@4.0' | | FL01@4.0' | | FL01@4.0' | | FL01@4.0' | |
|-----------|----------|-----------|---------|-----------|--------|-----------|-------|
| 1/23/2024 | | 1/23/2024 | | 1/23/2024 | | 1/23/2024 | |
| 4.0 Ft | | 4.0 Ft | | 4.0 Ft | | 4.0 Ft | |
| ACE | <0.00500 | B | <0.0020 | As | 6.98 | pH | 8.43 |
| Ant | <0.00500 | T | <0.0050 | BA | 109 | EC | 0.258 |
| BaA | <0.00500 | E | <0.0050 | CD | 0.353 | SAR | 0.831 |
| BaP | <0.00500 | X | <0.010 | CR(VI) | <-0.30 | B | <2.00 |
| BbF | <0.00500 | 124TMB | <0.0050 | CU | 5.48 | | |
| BkF | <0.00500 | 135TMB | <0.0050 | Pb | 11.8 | | |
| Chr | <0.00500 | N | <0.0038 | SE | 6.81 | | |
| DBahAnt | <0.00500 | G | <-0.50 | AG | 0.0252 | | |
| FLU | <0.00500 | D | <-50 | Z | 25.2 | | |
| FL | <0.00500 | O | <-50 | | | | |
| 1123cdPY | <0.00500 | | | | | | |
| PY | <0.00500 | | | | | | |
| 1MN | <0.00500 | | | | | | |
| 2MN | <0.00500 | | | | | | |



LEGEND

- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- ⊗ SOIL SAMPLE LOCATION
- FORMER FACILITY
- ABANDONED IN PLACE FLOW LINE
- FORMER FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

| SAMPLE ID | SAMPLE ID | SAMPLE ID | SAMPLE ID | |
|-----------|-----------|----------------------------------|-----------|---------|
| DATE | DATE | DATE | DATE | |
| DEPTH | DEPTH | DEPTH | DEPTH | |
| ACE | <0.00500 | ACENAPHTHENE (mg/kg) | As | 6.98 |
| Ant | <0.00500 | ANTHRACENE (mg/kg) | B | <0.0020 |
| BaA | <0.00500 | BENZO (A) ANTHRACENE (mg/kg) | T | <0.0050 |
| BaP | <0.00500 | BENZO (A) PYRENE (mg/kg) | E | <0.0050 |
| BbF | <0.00500 | BENZO (B) FLUORANTHENE (mg/kg) | X | <0.010 |
| BkF | <0.00500 | BENZO (K) FLUORANTHENE (mg/kg) | 124TMB | <0.0050 |
| Chr | <0.00500 | CHRYSENE (mg/kg) | 135TMB | <0.0050 |
| DBahAnt | <0.00500 | DIBENZ (A,H) ANTHRACENE (mg/kg) | N | <0.0038 |
| FLU | <0.00500 | FLUORANTHENE (mg/kg) | G | <-0.50 |
| FL | <0.00500 | FLUORENE (mg/kg) | D | <-50 |
| 1123cdPY | <0.00500 | INDENO (1,2,3-CD) PYRENE (mg/kg) | O | <-50 |
| 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 ~ HUNTSMAN G 13-9

NESE Sec.13, T4N, R65W, 6th PM
Weld County, Colorado
40.310550°, -104.604642°

| | | |
|--------------------------------|-------------------------------|---------------------------|
| Project No. C024-017 | API # 05-123-16321 | Facility # |
| Date 2/14/25 | Remediation # 31082 | Filename 24017T |



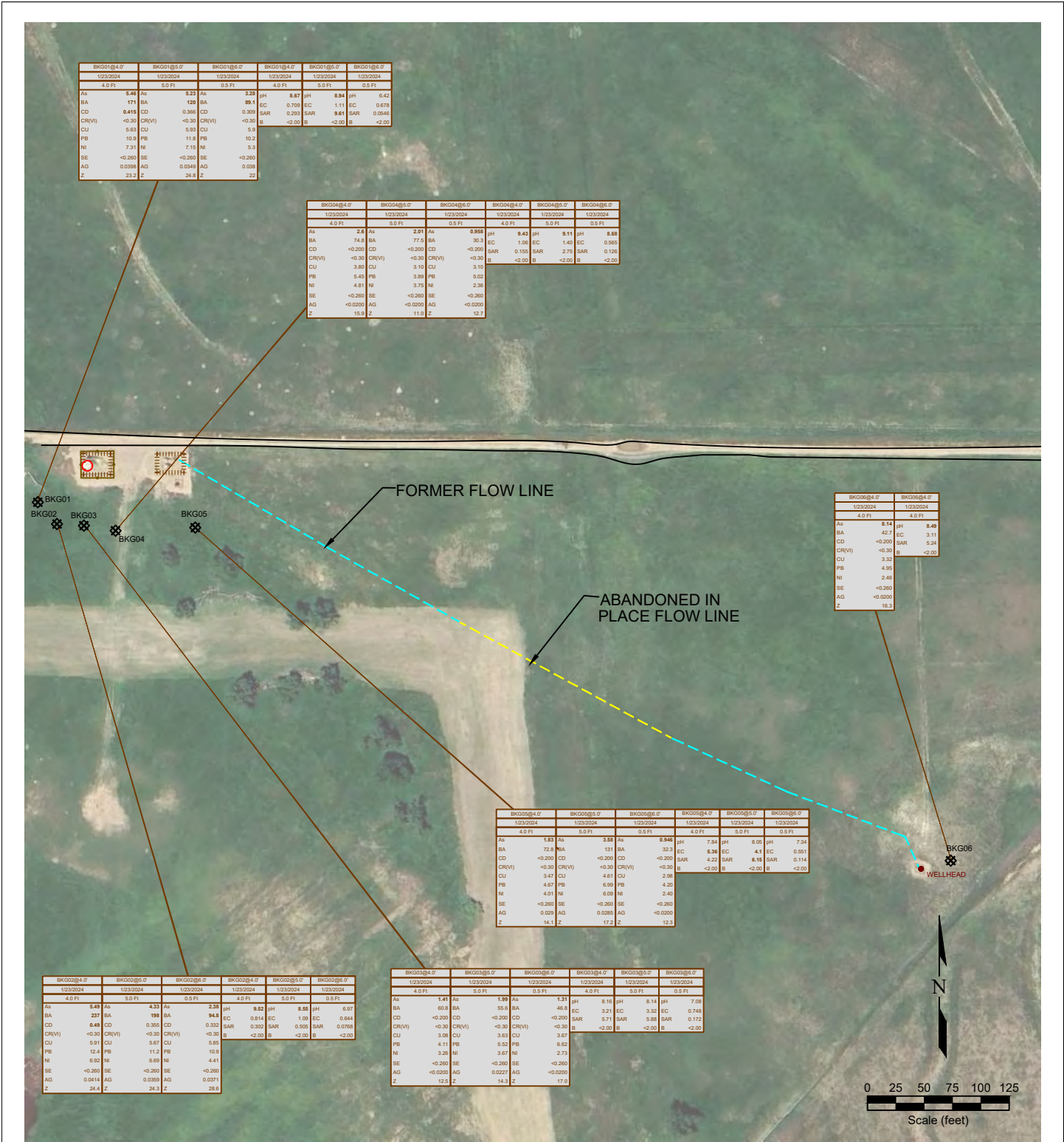


Figure 4
BACKGROUND SAMPLE SOIL CHEMISTRY MAP
NOBLE ENERGY INC ~ HUNTSMAN G 13-9

NESE Sec.13, T4N, R65W, 6th PM
 Weld County, Colorado
 40.310550°, -104.604642°

| | | |
|--------------------------------|-------------------------------|---------------------------|
| Project No. C024-017 | API # 05-123-16321 | Facility # |
| Date 2/14/25 | Remediation # 31082 | Filename 24017T |



| SAMPLE | SAMPLE ID | DATE | DATE SAMPLED | SAMPLE | SAMPLE ID | DATE | DATE SAMPLED |
|--------|-----------|------------------|--------------|--------|----------------|------|--------------|
| As | <-0.1 | ARSENIC (mg/kg) | pH | <900 | SAR (units) | | |
| BA | <-0.1 | BARIUM (mg/kg) | EC | 7.00 | pH (pH units) | | |
| CD | <-0.01 | CADMIUM (mg/kg) | SAR | <1 | EC (meq/100cm) | | |
| 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) | | | | | |

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|

Photo Log



Description:

| |
|--|
| |
|--|