



TANK BATTERY DECOMMISSIONING FORM

| SITE NAME: WADE 68N59W 29NWNE TANK BATTERY | | | | | | | DATE: 1/24/2025 | REM. PROJECT #: 37837 | WEATHER: CLEAR, 40'S | |
|---|-----------------------|-----------------|-------------|-----------|--------|---------------------|---|---------------------------------|--------------------------------|--|
| SITE DIRECTIONS: SE CR14, CR113 N 1 MILE, EAST .28 MILES INTO SITE | | | | | | | CLIENT: NOBLE | | | |
| LEGALS AND LAT/LONG: 40.639449, -103.997193 | | | | | | | TASMAN PERSONNEL: JO, SB | | | |
| SOIL TYPES: Lean Clay - CL | | | | | | | SURFACE GRADIENT: South | | | |
| SOIL SAMPLING | | | | | | | FACILITY INFRASTRUCTURE | | | |
| Date/Time | Soil Sample ID | PID (ppm) | Visual | Olfactory | Photo? | Grab or Lab Sample? | EQUIPMENT | Quantity | Photo? | |
| | | | | | | | Above Ground Storage Tank (AST) | 3 | ✓ | |
| 1/27/2025 11:56 | AST01@0.5' | 0.0 | No Staining | No Odor | Yes | Lab | Buried or Partially Buried Vessel | 1 | ✓ | |
| 1/27/2025 11:58 | AST02@0.5' | 0.0 | No Staining | No Odor | Yes | Lab | Separator | 1 | ✓ | |
| 1/27/2025 12:00 | AST03@0.5' | 0.0 | No Staining | No Odor | Yes | Lab | Emission Control Device (ECD) | | | |
| 1/24/2025 09:54 | SEP01-FL@5' | 0.1 | No Staining | No Odor | Yes | Lab | Dump Line | 2 | ✓ | |
| 1/24/2025 09:55 | SEP01-DL-OIL@2.5' | 0.3 | No Staining | No Odor | Yes | Lab | Wellhead | | | |
| 1/24/2025 09:56 | SEP01-DL-WATER@2.5' | 0.0 | No Staining | No Odor | Yes | Lab | Flowline | | | |
| 1/27/2025 10:20 | PWV01-N@2.5' | 0.1 | No Staining | No Odor | Yes | On-hold | Other: | | | |
| 1/27/2025 10:22 | PWV01-E@2.5' | 0.7 | No Staining | No Odor | Yes | Lab | Soil Loads Removed | | | |
| 1/27/2025 10:24 | PWV01-S@2.5' | 0.2 | No Staining | No Odor | Yes | On-hold | IMPACTED SOIL IDENTIFIED? | | | |
| 1/27/2025 10:26 | PWV01-W@2.5' | 0.3 | No Staining | No Odor | Yes | On-hold | ESTIMATED VOLUME OF IMPACTS: | | | |
| 1/27/2025 10:28 | PWV01-B@6' | 0.0 | No Staining | No Odor | Yes | Lab | Date | Number | CY | |
| 1/27/2025 10:01 | GS01@0.5' | 0.6 | No Staining | No Odor | Yes | On-hold | | | | |
| 1/24/2025 10:38 | GS02@0.5' | 0.0 | No Staining | No Odor | Yes | Lab | | | | |
| 1/24/2025 10:37 | FLARE01@0.5' | 1.1 | No Staining | No Odor | Yes | Grab | | | | |
| 1/27/2025 12:26 | BKG01@0.5' | 0.0 | No Staining | No Odor | Yes | Lab | | | | |
| 1/27/2025 12:28 | BKG01@2.5' | 0.0 | No Staining | No Odor | Yes | Lab | Total Removed | 0 | 0 | |
| 1/27/2025 12:30 | BKG01@3.5' | 0.0 | No Staining | No Odor | Yes | Lab | Disposal Facility: | | | |
| 1/27/2025 12:32 | BKG01@5' | 0.0 | No Staining | No Odor | Yes | Lab | Groundwater Recovery | | | |
| 1/27/2025 12:34 | BKG01@6' | 0.0 | No Staining | No Odor | Yes | Lab | DATE GW ENCOUNTERED: | | DEPTH: | |
| | | | | | | | GROUNDWATER IN CONTACT WITH IMPACTED SOIL? | | | |
| | | | | | | | LNAPL OR SHEEN OBSERVED ON GW? | | | |
| GROUNDWATER SAMPLING | | | | | | | Date | | BBLs | |
| Date/Time | Groundwater Sample ID | Depth Collected | Turbid? | Sheen? | Odor? | Photo? | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | Total Removed | | 0 | |
| | | | | | | | Disposal Facility: | | | |



Date: 1/24/2025

GENERAL OBSERVATION FORM

Site Area/AOC: WADE 68N59W 29NWNE TANK BATTERY Client: NOBLE



Daily Forecast/Weather: CLEAR, 40'S Personnel: JO, SB



Task/Location Description: Tank Battery Decommissioning & Soil Sampling Event

| Time | Description |
|-------|---|
| 08:15 | On Site/Crew on Site |
| | Crew removed separator the day prior to the sampling event (1/23/24) |
| | Summary: |
| | Soil at the base of the separator excavation appeared dark brown, but no defined staining, odor or elevated PIDs observed. |
| | Separator excavation was cleared using a Hydrovac. Samples were collected using a HA. |
| | Sample location GS01@0.5' was a heater treater. |
| | Sample location GS02@0.5' was a pump jack located north of the WH. |
| 10:11 | Crew lead said the ASTs have a few feet of ice inside that needs to be cleared with the Hydrovac before tanks can be decommissioned. Two (2) Hydrovacs from BrandX on site/in the process of clearing tanks. |
| | Decommissioning is scheduled to continue on Monday, January 27, 2025. The remainder of the facility including the heater treater (GS01), the three (3) ASTs, and the PWV will be removed and a background sample will be collected. |
| | The associated WH/FL for this facility is the Wade 02-29 Flowline (REM# 37833). |
| 08:25 | On Site 1-27-2025 |
| | ASTs were sampled after liner and pea gravel were removed. |
| | BKG01 was collected via backhoe due to the frozen ground. |
| | BKG01@0-2ft: Brown, clayey sand with trace organics, fine grain, well sorted |
| | BKG01@2-3ft: Tan, silty clay with trace fine grain sand, low plasticity, dry, crumbly |
| | BKG01@3-6ft: Tan, sand, fine grain, well sorted, dry |
| | Site Directions: |
| | Heading SE on CR 14, at the intersection of CR 14 & CR 113, head north for 0.95 miles, then head east for 0.28 miles onto site. |



Need photo log?

Photographic Log

| | | | | | |
|---|---------------------------------|--------------------------------|--|----------------------------------|--------------------------------|
|  | | |  | | |
| Equipment ID: SEP01-FL@5' | Equipment Type: Flowline | | Equipment ID: SEP01-DL-OIL@2.5' | Equipment Type: Dump Line | |
| Material: Steel | Volume: | Contents: Oil/Gas/Water | Material: Steel | Volume: | Contents: Oil/Gas/Water |
| Notes/Conditions: | | | Notes/Conditions: | | |

| | | | | | |
|---|----------------------------------|--------------------------------|--|--|--------------------------------|
|  | | |  | | |
| Equipment ID: SEP01-DL-WATER@2.5' | Equipment Type: Dump Line | | Equipment ID: FLARE01@0.5' | Equipment Type: Emission Control Device | |
| Material: Steel | Volume: | Contents: Oil/Gas/Water | Material: Steel | Volume: | Contents: Oil/Gas/Water |
| Notes/Conditions: | | | Notes/Conditions: | | |

Photographic Log

| | | | | | |
|---|----------------------------------|--------------------------------|---|---------------------------------------|--------------------------------|
| | | | | | |
|  | | |  | | |
| Equipment ID: GS02@0.5' | Equipment Type: Pump Jack | | Equipment ID: GS01@0.5' | Equipment Type: Heater Treater | |
| Material: Steel | Volume: | Contents: Oil/Gas/Water | Material: Steel | Volume: | Contents: Oil/Gas/Water |
| Notes/Conditions: Sample location GS02@0.5' was a pump jack located north of the WH. | | | Notes/Conditions: Sample location was where the Heater Treater tank was located. | | |

Photographic Log




| | | | |
|---------------------------------------|----------------|---|--|
| Equipment ID: PWV01-N, PWV01-W | | Equipment Type: Partially Buried Vault | |
| Material: Steel | Volume: | Contents: Produced Water | |
| Notes/Conditions: | | | |

| | | | |
|---------------------------------------|----------------|---|--|
| Equipment ID: PWV01-S, PWV01-E | | Equipment Type: Partially Buried Vault | |
| Material: Steel | Volume: | Contents: Produced Water | |
| Notes/Conditions: | | | |

Photographic Log


| | | | | | | | |
|---------------------------------|----------------|---|--|---------------------------------|----------------|--|--|
| Equipment ID: PWV01-B@6' | | Equipment Type: Partially Buried Vault | | Equipment ID: AST01@0.5' | | Equipment Type: Above Ground Storage Tank | |
| Material: Steel | Volume: | Contents: Produced Water | | Material: Steel | Volume: | Contents: Crude Oil | |
| Notes/Conditions: | | | | Notes/Conditions: | | | |

Photographic Log

| | | | | | |
|---|----------------|--|--|----------------|--|
|  | | |  | | |
| Equipment ID: AST02@0.5' | | Equipment Type: Above Ground Storage Tank | Equipment ID: AST03@0.5' | | Equipment Type: Above Ground Storage Tank |
| Material: Steel | Volume: | Contents: Crude Oil | Material: Steel | Volume: | Contents: Crude Oil |
| Notes/Conditions: | | | Notes/Conditions: | | |

Photographic Log

| | | | | | |
|---|----------------|------------------------|--------------------------|----------------|------------------------|
|  | | | | | |
| | | | | | |
| Equipment ID: BKG01 | | Equipment Type: | Equipment ID: | | Equipment Type: |
| Material: | Volume: | Contents: | Material: | Volume: | Contents: |
| Notes/Conditions: | | | Notes/Conditions: | | |

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY, INC. - 100322
WADE 68N59W 29NWNE TANK BATTERY, WELD COUNTY, COLORADO
REM # 37837

| Sample ID | Sample Date | Depth (ft. bgs) | GPS Data Latitude/Longitude | | PDOP Value | VOC Concentration (ppm) |
|---------------------|-------------|--------------------|--------------------------------|-------------|------------|----------------------------|
| SEP01-FL@5' | 1/24/2025 | 5 | 40.639449 | -103.997214 | 0.8 | 0.1 |
| SEP01-DL-OIL@2.5' | 1/24/2025 | 2.5 | 40.639446 | -103.997224 | 0.8 | 0.3 |
| SEP01-DL-WATER@2.5' | 1/24/2025 | 2.5 | 40.639443 | -103.997230 | 0.8 | 0.0 |
| GS02@0.5' | 1/24/2025 | 0.5 | 40.639268 | -103.996958 | 0.8 | 0.0 |
| FLARE01@0.5' | 1/24/2025 | 0.5 | 40.639366 | -103.997253 | 0.8 | 1.1 |
| AST01@0.5' | 1/27/2025 | 0.5 | 40.639660 | -103.997470 | 0.7 | 0.0 |
| AST02@0.5' | 1/27/2025 | 0.5 | 40.639688 | -103.997422 | 0.7 | 0.0 |
| AST03@0.5' | 1/27/2025 | 0.5 | 40.639658 | -103.997388 | 0.7 | 0.0 |
| PWV01-N@2.5' | 1/27/2025 | 2.5 | 40.639634 | -103.997463 | 0.7 | 0.1 |
| PWV01-E@2.5' | 1/27/2025 | 2.5 | 40.639619 | -103.997407 | 0.7 | 0.7 |
| PWV01-S@2.5' | 1/27/2025 | 2.5 | 40.639587 | -103.997427 | 0.7 | 0.2 |
| PWV01-W@2.5' | 1/27/2025 | 2.5 | 40.639612 | -103.997466 | 0.7 | 0.3 |
| PWV01-B@6' | 1/27/2025 | 6 | 40.639629 | -103.997438 | 0.7 | 0.0 |
| GS01@0.5' | 1/27/2025 | 0.5 | 40.639428 | -103.997231 | 1.0 | 0.6 |
| BKG01@0.5' | 1/27/2025 | 0.5 | 40.639393 | -103.997720 | 0.8 | 0.0 |
| BKG01@2.5' | 1/27/2025 | 2.5 | 40.639393 | -103.997720 | 0.8 | 0.0 |
| BKG01@3.5' | 1/27/2025 | 3.5 | 40.639393 | -103.997720 | 0.8 | 0.0 |
| BKG01@5' | 1/27/2025 | 5 | 40.639393 | -103.997720 | 0.8 | 0.0 |
| BKG01@6' | 1/27/2025 | 6 | 40.639393 | -103.997720 | 0.8 | 0.0 |

Notes:

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTM Zone 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

ft. = Feet

bgs = Below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. - 100322
WADE 68N59W 29NWNE TANK BATTERY, WELD COUNTY, COLORADO
REM # 37837

| Sample ID | Sample Date | Depth (ft. bgs) | 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** | | |
| SEP01-FL@5' | 1/24/2025 | 5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| SEP01-DL-OIL@2.5' | 1/24/2025 | 2.5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| SEP01-DL-WATER@2.5' | 1/24/2025 | 2.5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| GS02@0.5' | 1/24/2025 | 0.5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| AST01@0.5' | 1/27/2025 | 0.5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| AST02@0.5' | 1/27/2025 | 0.5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| AST03@0.5' | 1/27/2025 | 0.5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| PWV01-E@2.5' | 1/27/2025 | 2.5 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |
| PWV01-B@6' | 1/27/2025 | 6 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <50 | <0.50 | <50 |

Notes:

1. **Bold** values exceed the ECMC Table 915-1 limit(s).
2. Pink & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
3. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg.

ECMC = Energy & Carbon Management Commission

(<), italics, and grey shading = 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

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. - 100322
WADE 68N59W 29NWNE TANK BATTERY, WELD COUNTY, COLORADO
REM # 37837

| Sample ID | Sample Date | Depth (ft. bgs) | 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 | 1,800 | 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 |
| SEP01-FL@5' | 1/24/2025 | 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 |
| SEP01-DL-OIL@2.5' | 1/24/2025 | 2.5 | <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 |
| SEP01-DL-WATER@2.5' | 1/24/2025 | 2.5 | <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 |
| GS02@0.5' | 1/24/2025 | 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 |
| AST01@0.5' | 1/27/2025 | 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 |
| AST02@0.5' | 1/27/2025 | 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 |
| AST03@0.5' | 1/27/2025 | 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-E@2.5' | 1/27/2025 | 2.5 | <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@6' | 1/27/2025 | 6 | <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 |

Notes:

1. Bold values exceed the ECMC Table 915-1 limit(s).
 2. Pink & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
- ECMC = Colorado Energy & Carbon Management Commission
(<), italics, and grey shading = Analytical result is less than the indicated laboratory reporting limit.
ft. = Feet
bgs = Below ground surface
mg/kg = Milligrams per kilogram

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY, INC. - 100322
WADE 68N59W 29NWNE TANK BATTERY, WELD COUNTY, COLORADO
REM # 37837

| Sample ID | Sample Date | Depth (ft. bgs) | 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 |
| SEP01-FL@5' | 1/24/2025 | 5 | 8.81 | 0.216 | 0.655 | <2.00 |
| SEP01-DL-OIL@2.5' | 1/24/2025 | 2.5 | 8.80 | 0.138 | 0.156 | <2.00 |
| SEP01-DL-WATER@2.5' | 1/24/2025 | 2.5 | 8.72 | 0.139 | 0.132 | <2.00 |
| GS02@0.5' | 1/24/2025 | 0.5 | 9.12 | 0.0517 | 0.0888 | <2.00 |
| AST01@0.5' | 1/27/2025 | 0.5 | 8.34 | 0.691 | 1.27 | <2.00 |
| AST02@0.5' | 1/27/2025 | 0.5 | 8.41 | 0.649 | 2.55 | <2.00 |
| AST03@0.5' | 1/27/2025 | 0.5 | 9.13 | 0.157 | 2.32 | <2.00 |
| PWV01-E@2.5' | 1/27/2025 | 2.5 | 8.92 | 0.213 | 0.382 | <2.00 |
| PWV01-B@6' | 1/27/2025 | 6 | 9.36 | 0.357 | 0.392 | <2.00 |
| BKG01@0.5' | 1/27/2025 | 0.5 | 7.62 | 0.0855 | 0.890 | <2.00 |
| BKG01@2.5' | 1/27/2025 | 2.5 | 8.82 | 7.27 | 0.0779 | <2.00 |
| BKG01@3.5' | 1/27/2025 | 3.5 | 8.43 | 1.20 | 1.51 | <2.00 |
| BKG01@5' | 1/27/2025 | 5 | 8.30 | 0.748 | 4.40 | <2.00 |
| BKG01@6' | 1/27/2025 | 6 | 8.35 | 1.53 | 2.71 | <2.00 |
| Maximum Background Concentration | | | 8.82 | - | - | - |

Notes:

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.

ECMC = Colorado Energy & Carbon Management Commission

EC = Electrical conductivity

SAR = Sodium adsorption ratio

mmhos/cm = millimhos per centimeter

mg/L = milligram per liter

(<), italics, and grey shading = Analytical result is less than the indicated laboratory reporting limit.

ft. = Feet

bgs = Below ground surface

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY, INC. - 100322
WADE 68N59W 29NWN TANK BATTERY, WELD COUNTY, COLORADO
REM # 37837

| Sample ID | Sample Date | Depth (ft. bgs) | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (VI) ^[4] (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 | 15,000 | 71 | 0.3 | 3,100 | 400 | 1,500 | 390 | 390 | 23,000 |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.29 | 82 | 0.38 | 0.00067 | 46 | 14 | 26 | 0.26 | 0.8 | 370 |
| SEP01-FL@5' | 1/24/2025 | 5 | 4.13 | 332 | 0.674 | <0.30* | 7.48 | 14.1 | 7.03 | <0.260 | 0.0605 | 27.7 |
| SEP01-DL-OIL@2.5' | 1/24/2025 | 2.5 | 3.49 | 175 | 0.310 | <0.30* | 4.28 | 9.52 | 6.31 | <0.260 | 0.0276 | 17.3 |
| SEP01-DL-WATER@2.5' | 1/24/2025 | 2.5 | 3.30 | 142 | 0.319 | <0.30* | 4.82 | 15.0 | 6.72 | <0.260 | 0.0337 | 19.4 |
| GS02@0.5' | 1/24/2025 | 0.5 | 1.42 | 25.0 | <0.200 | <0.30* | 2.09 | 2.39 | 4.87 | <0.260 | <0.0200 | 11.8 |
| AST01@0.5' | 1/27/2025 | 0.5 | 0.732 | 192 | <0.200 | <0.30* | 1.00 | 6.84 | 0.997 | <0.260 | <0.0200 | 4.46 |
| AST02@0.5' | 1/27/2025 | 0.5 | 0.994 | 244 | <0.200 | <0.30* | 1.45 | 8.12 | 1.31 | <0.260 | 0.0273 | 5.79 |
| AST03@0.5' | 1/27/2025 | 0.5 | 0.882 | 180 | <0.200 | <0.30* | 1.29 | 7.21 | 1.18 | <0.260 | <0.0200 | 5.08 |
| PWV01-E@2.5' | 1/27/2025 | 2.5 | 0.991 | 209 | <0.200 | <0.30* | 1.37 | 8.11 | 1.33 | <0.260 | 0.0247 | 5.99 |
| PWV01-B@6' | 1/27/2025 | 6 | 0.994 | 186 | <0.200 | <0.30* | 1.26 | 7.49 | 1.25 | <0.260 | 0.0240 | 5.24 |
| BKG01@0.5' | 1/27/2025 | 0.5 | 0.867 | 116 | <0.200 | <0.30* | 1.13 | 7.99 | 1.25 | <0.260 | 0.0217 | 5.66 |
| BKG01@2.5' | 1/27/2025 | 2.5 | 1.17 | 467 | <0.200 | <0.30* | 1.23 | 9.83 | 1.38 | <0.260 | 0.0262 | 5.17 |
| BKG01@3.5' | 1/27/2025 | 3.5 | 1.12 | 316 | <0.200 | <0.30* | 1.03 | 7.47 | 0.889 | <0.260 | <0.0200 | 3.66 |
| BKG01@5' | 1/27/2025 | 5 | 1.03 | 481 | <0.200 | <0.30* | 1.08 | 8.58 | 1.18 | <0.260 | 0.0253 | 4.69 |
| BKG01@6' | 1/27/2025 | 6 | 0.958 | 255 | <0.200 | <0.30* | 0.821 | 7.51 | 0.893 | <0.260 | <0.0200 | 3.90 |
| Maximum Background Concentration X 1.25 | | | 1.46 | 601 | 0.250 | - | - | 13.0 | - | - | - | - |

Notes:

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
2. **Bold** 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. Compound falls within ECMC Table 915-1 Footnote 9.
5. Non-detect background results accounted for in the highest background concentration by using the reporting limit.

ECMC = Energy & Carbon Management Commission

(<), italics, and grey shading = 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



AST03@0.5'
(01/27/2025)
PID = 0.0 ppm

AST02@0.5'
(01/27/2025)
PID = 0.0 ppm

AST01@0.5'
(01/27/2025)
PID = 0.0 ppm

PWV01-N@2.5'
(01/27/2025)
PID = 0.1 ppm

PWV01-E@2.5'
(01/27/2025)
PID = 0.7 ppm

PWV01-W@2.5'
(01/27/2025)
PID = 0.3 ppm

PWV01-B@6'
(01/27/2025)
PID = 0.0 ppm

PWV01-S@2.5'
(01/27/2025)
PID = 0.2 ppm

SEP01-DL-WATER@2.5'
(01/24/2025)
PID = 0.0 ppm

SEP01-FL@5'
(01/24/2025)
PID = 0.1 ppm

SEP01-DL-OIL@2.5'
(01/24/2025)
PID = 0.3 ppm

FLARE01@0.5'
(01/24/2025)
PID = 1.1 ppm

GS01@0.5'
(01/27/2025)
PID = 0.6 ppm

GS02@0.5'
(01/24/2025)
PID = 0.0 ppm

BKG01@0.5'
(01/27/2025)
PID = 0.0 ppm

BKG01@2.5'
(01/27/2025)
PID = 0.0 ppm

BKG01@3.5'
(01/27/2025)
PID = 0.0 ppm

BKG01@5'
(01/27/2025)
PID = 0.0 ppm

BKG01@6'
(01/27/2025)
PID = 0.0 ppm

DATE: January 27, 2025

DESIGNED BY: B. Nelson

DRAWN BY: J. Woffinden



NOBLE Energy, Inc. – 69175 – DJ Basin
WADE T8N-R59W-S29 Tank Battery
 NWNE, Section 29, Township 8 North, Range 59 West
 Weld County, Colorado

Tank Battery Decommissioning &
 Soil Analytical Results Map
 (01/24/2025 & 01/27/2025)

FIGURE
1