FORM 27 Rev 5/22

State of Colorado
Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Document Number: 404377062
Receive Date:
Report taken by:

Site Investigation and Remediation Workplan (Supplemental Form)

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. However, this shall not preclude the Operator from taking immediate action to protect public health or safety, the environment, wildlife, or livestock.
This Form 27 describes site conditions as currently understood by the Operator; approval of this Form 27 by ECMC is based on the site conditions accurately described herein; any changes in site conditions identified during or subsequent to the performance of the approved workplan may necessitate additional investigation or remediation which shall be described on a supplemental Form 27.
This Form 27 is intended to provide basic information regarding the proposed site investigation and remediation actions, but the workplan may be more fully described in attached documentation.
Closure request is not available for an Initial Site Investigation and Remediation Workplan.

OPERATOR INFORMATON

Name of Operator: NOBLE ENERGY INC Operator No: 100322
Address: 1099 18TH STREET SUITE 1500
City: DENVER State: CO Zip: 80202
Contact Person: Lauren Hoff Email: RBUEUF27@chevron.com

Phone Numbers
Phone: (970) 304-5000
Mobile: ( )

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 32307 Initial Form 27 Document #: 403566080

PURPOSE INFORMATION

- [ ] Rule 913.c.(1): Pit or Cuttings Trench closure.
- [ ] Rule 913.c.(2): Buried or partially buried vessel closure, which will be by removal.
- [X] Rule 913.c.(3): Remediation of Spill and Releases pursuant to Rule 912.
- [ ] Rule 913.c.(4): Land treatment of Oily Waste pursuant to Rule 905.e.
- [ ] Rule 913.c.(5): Closure of Centralized E&P Waste Management Facilities pursuant to Rule 907.h.
- [ ] Rule 913.c.(6): Remediation of impacted Groundwater pursuant to Rule 915.e.(3).D, and the contaminant concentrations in Table 915-1.
- [ ] Rule 913.c.(7): Investigation and remediation of natural gas in soil or Groundwater.
- [ ] Rule 913.c.(8): When requested by the Director due to any potential risk to soil, Groundwater, or surface water.
- [X] Rule 913.c.(9): Decommissioning of Oil and Gas Facilities.
- [ ] Rule 913.g: Changes of Operator.
- [ ] Rule 915.b: Request to leave elevated inorganics in situ.
- [ ] Other:

SITE INFORMATION

Yes Multiple Facilities

Facility Type: WELL Facility ID: API #: 123-25351 County Name: WELD
Facility Name: FRANK CC 7-19 Latitude: 40.329994 Longitude: -104.484596
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: SENW Sec: 7 Twp: 4N Range: 63W Meridian: 6 Sensitive Area? Yes

Facility Type: SPILL OR RELEASE Facility ID: 486257 API #: County Name: WELD
Facility Name: Frank CC #7-19 Latitude: 40.329994 Longitude: -104.484596
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: SENW Sec: 7 Twp: 4N Range: 63W Meridian: 6 Sensitive Area? Yes

SITE CONDITIONS

General soil type - USCS Classifications CL

Most Sensitive Adjacent Land Use Cropland

Is domestic water well within 1/4 mile? No

Is surface water within 1/4 mile? Yes

Is groundwater less than 20 feet below ground surface? Yes

Other Potential Receptors within 1/4 mile

Latham Ditch is located 0.14 miles southwest of the Location.

SITE INVESTIGATION PLAN

TYPE OF WASTE:

- [X] **E&P Waste**
  - [X] Produced Water
  - [X] Oil
  - [X] Condensate
  - [ ] Drilling Fluids
  - [ ] Drill Cuttings
- [ ] **Other E&P Waste**
  - [ ] Workover Fluids
  - [ ] Tank Bottoms
  - [ ] Pigging Waste
  - [ ] Rig Wash
  - [ ] Spent Filters
  - [ ] Pit Bottoms
  - [ ] Other (as described by EPA)
- [ ] **Non-E&P Waste**

DESCRIPTION OF IMPACT

Impacted?	Impacted Media	Extent of Impact	How Determined
No	GROUNDWATER	Refer to Tables and Figures	Lab Analysis and Field-Screening
Yes	SOILS	Refer to Tables and Figures	Lab Analysis and Field-Screening

INITIAL ACTION SUMMARY

Description of initial action or emergency response measures take to abate, investigate, and/or remediate impacts associated with E&P Waste.

Pursuant to Colorado Energy & Carbon Management Commission (ECMC) Rule 911, site investigation was conducted pertaining to the FRANK CC #7-19 wellhead cut and cap and flowline abandonment. On February 22, 2024, initial wellhead characterization sampling was completed following cut and cap operations. See Document 403717336 for details. On December 12, 2024, initial flowline characterization sampling was completed. See Document 404156349 for details.

On February 24 and 25, 2025, delineation soil sampling was conducted at the wellhead. Five soils borings were advanced and completed as monitoring wells MW-01 through MW-05. One soil sample was collected for analysis from each soil boring and submitted for all Table 915-1 constituents. Additionally, five background soil borings were completed. Background samples were submitted for analysis of Table 915-1 inorganics (Soils Suitability for Reclamation [SSR] and metals constituents). See Document 404156349 for details.

In March 2025, monitoring wells MW-01 through MW-05 were developed, and on March 20, 2025, first quarter 2025 groundwater monitoring was conducted. Groundwater samples were collected from each monitoring well using disposable polyethylene bailers. Samples were field screened using visual and olfactory observations and water quality parameters. Groundwater samples were analyzed for analysis of all ECMC Table 915-1 groundwater constituents.

On June 26, 2025, mobilization to conduct second quarter 2025 groundwater monitoring was attempted. However, the landowner denied access to the location due to active crops and requested that sampling be delayed until September 2025.

On September 29, 2025, third quarter 2025 groundwater sampling was performed. Due to farming operations, only MW-05 was located and sampled. The collected sample was submitted for analysis of all Table 915-1 groundwater constituents. Results of the sampling event are pending and will be reported on a subsequent Form 27.

PROPOSED SAMPLING PLAN

Proposed Soil Sampling

[X] Will soil samples be collected as part of this investigation? (Number, type (grab/composite), analyses, and locations of samples):

Additional soil samples will be collected to recharacterize previously sampled material at the wellhead (WH-FS-01@7', WH-SS-01@6', WH-SS-02@6', WH-SS-03@6', and WH-SS-04@6'). A flowline delineation investigation for organic exceedances will be conducted in the vicinity of FL01-02. Soil samples will be analyzed for all Table 915-1 soil constituents of concern. Additional background samples will be collected to further establish the natural range of values for inorganic constituents in the project area. See the Supplemental Site Investigation Plan (SSIP) associated with Document 404268279 for details.

Proposed Groundwater Sampling

[X] Will groundwater samples be collected as part of this investigation? (Number, analyses, and locations of samples):

Five groundwater monitoring wells (MW-01 through MW-05) were installed at the location during the first quarter of 2025 and sampled on March 20, 2025. MW-05 was also sampled on September 29, 2025. The monitoring wells will be sampled on a quarterly basis until all analytical results are in compliance with Table 915-1 groundwater standards for four consecutive quarters. All samples will be submitted for all Table 915-1 constituents. See the Groundwater Monitoring Report (GWMR) associated with Document 404268279 for details.

Proposed Surface Water Sampling

[ ] Will surface water samples be collected as part of this investigation? (Number, analyses, and locations of samples):

Additional Investigative Actions

[ ] Additional alternative investigative actions described in attached Site Investigation Plan (summary):

Visual inspection at the wellhead area occurred during site investigation activities. Field personnel assessed all disturbed areas for indications of past spills, such as staining or salt accumulation, with direction to collect samples and report any areas of concern. No areas of concern have been reported.

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected: 0

Number of soil samples exceeeding 915-1: 0

Was the areal and vertical extent of soil contamination delineated?:

Approximate areal extent (square feet):

NA / ND

Highest concentration of TPH (mg/kg):

Highest concentration of SAR:

BTEX > 915-1:

Vertical Extent > 915-1 (in feet):

Groundwater

Number of groundwater samples collected: 5

Was extent of groundwater contaminated delineated?: Yes

Depth to groundwater (below ground surface, in feet): 6

Number of groundwater monitoring wells installed: 5

Number of groundwater samples exceeding 915-1: 5

ND Highest concentration of Benzene (µg/l):

ND Highest concentration of Toluene (µg/l):

ND Highest concentration of Ethylbenzene (µg/l):

ND Highest concentration of Xylene (µg/l):

ND Highest concentration of Methane (mg/l):

Surface Water

0 Number of surface water samples collected

Number of surface water samples exceeding 915-1

If surface water is impacted, other agency notification may be required.

OTHER INVESTIGATION INFORMATION

[ ] Were impacts to adjacent property or offsite impacts identified?

[X] Were background samples collected as part of this site investigation?

Between February 22, 2024, and February 24, 2025, eight background soil samples were collected from depths between 2 and 8.5 feet below ground surface (bgs). The maximum background value for pH was observed to be 8.23. The maximum electrical conductivity (EC) was observed to be 5.68 millimhos per centimeter (mmhos/cm). The maximum boron value was observed to be 2.73 milligrams per liter (mg/L). The maximum sodium adsorption ratio (SAR) value was observed to be 15.1. The maximum background concentrations with a 1.25x multiplier applied for arsenic, barium, cadmium, lead, and selenium were calculated to be 8.21 milligram per kilogram (mg/kg), 321 mg/kg, 0.611 mg/kg, 22.1 mg/kg, and 0.493 mg/kg, respectively. All arsenic and barium concentrations observed during the assessment sampling were below 1.25x the maximum background level. Background monitoring wells will be installed to collect groundwater samples to establish native concentrations of inorganics in groundwater.

[ ] Was investigation derived waste (IDW) generated as part of this investigation?

Volume of solid waste (cubic yards):

Volume of liquid waste (barrels):

[X] Is further site investigation required?

As part of Chevrons Data Integrity review, all point of compliance samples will be recollected in accordance with the approved Form 27 investigation plan and analyzed for full Table 915-1. Additionally, a supplemental site investigation (SSI) will be completed to delineation organic exceedances along flowline sample point FL01-02. Soil samples will be submitted for analysis of all Table 915-1 soil constituents of concern. Background samples will be collected to characterize native levels of inorganic constituents in the project area. See SSIP associated with Document 404268279 for details.

REMEDIAL ACTION PLAN

Does this Supplemental Form 27A include changes to a previously approved Remedial Action Plan? Yes

SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

No impacted material caused by oil and gas operations has been removed at this time. Site investigation and delineation efforts are still underway for this project. When investigation efforts have concluded, if source removal is deemed to be necessary, a summary will be provided.

REMEDIATION SUMMARY

Describe how remediation of existing impacts to soil and groundwater is to be accomplished (i.e. summarize remedial action plan). Provide a brief narrative description including: technical justification, schedule for implementation, estimated time to attain NFA status, plus plans and specifications for the selected remedial action technology.

On February 24 and 25, 2025, delineation soil sampling was conducted at the wellhead. Five soils borings were advanced and completed as monitoring wells MW-01 through MW-05. One soil sample was collected for analysis from each soil boring and submitted for all Table 915-1 constituents. Additionally, five background soil borings were completed. Analytical results of the delineation samples indicated organic constituents of concern in compliance with PGSSLs. Elevated levels of SAR were within observed background concentrations, and elevated metals were within 1.25 times background concentrations for all constituents except for lead and selenium in MW-05, which is situated adjacent to the point of release (POR). Based on this information, impacts at the wellhead have been laterally delineated. Vertical delineation has been achieved for all constituents, except for lead and selenium.

On March 20, 2025, first quarter groundwater monitoring was conducted on groundwater wells MW-01 through MW-05. Analytical results indicated compliance with Table 915-1 groundwater standards. See the attached GWMR for details.

On June 26, 2025, second quarter groundwater monitoring was attempted; however, the landowner denied access to the Location due to active crops. The landowner stated that access will be granted following harvest in early September 2025.

On September 29, 2025, third quarter 2025 groundwater sampling was performed. Due to farming operations, only MW-05 was located and therefore the only monitoring well sampled. The collected sample was submitted for analysis of all Table 915-1 groundwater constituents of concern. The September 29, 2025 sample results are currently pending and will be submitted in a subsequent Form 27 once the data set has been received.

Soil Remediation Summary

☐ **In Situ**

- ____ Bioremediation (or enhanced bioremediation)
- ____ Chemical oxidation
- ____ Air sparge / Soil vapor extraction
- ____ Natural Attenuation
- ____ Other _____

☐ **Ex Situ**

- ____ Excavate and offsite disposal
  - If Yes: Estimated Volume (Cubic Yards) _____
  - Name of Licensed Disposal Facility or ECMC Facility ID # _____
- ____ Excavate and onsite remediation
  - ____ Land Treatment
  - ____ Bioremediation (or enhanced bioremediation)
  - ____ Chemical oxidation
  - ____ Other _____

Groundwater Remediation Summary

- ____ Bioremediation (or enhanced bioremediation)
- ____ Chemical oxidation
- ____ Air sparge / Soil vapor extraction
- ____ Natural Attenuation
- ____ Other _____

GROUNDWATER MONITORING

If groundwater has been impacted, describe proposed monitoring plan, including # of wells or sample points, monitoring schedule, analytical methods, points of compliance. Attach a groundwater monitoring location diagram.

Five groundwater monitoring wells (MW-01 through MW-05) were installed at the location during the first quarter of 2025. Results from the March 20, 2025 groundwater sampling indicate compliance with Table 915-1 for all organic constituents. Chlorides and sulfates exceed standards, however, background concentrations have not been established. Site access was denied by the landowner during the second quarter of 2025 due to active crops. MW-05 was sampled during the third quarter of 2025 on September 29, 2025. Groundwater sample results from the September 29, 2025 event are currently pending analysis and analytical results will be reported in a subsequent Form 27. The monitoring wells will be sampled on a quarterly basis until all analytical results are in compliance with Table 915-1 groundwater standards for four consecutive quarters.

REMEDIATION PROGRESS UPDATE

PERIODIC REPORTING

Approved Reporting Schedule:

[X] Quarterly [ ] Semi-Annually [ ] Annually [ ] Other

[ ] **Request Alternative Reporting Schedule:**

[ ] Semi-Annually [ ] Annually [ ] Other

Rule 913.e:
After initial approval of a Form 27, the Operator will provide quarterly update reports in a Supplemental Form 27 to document progress of site investigation and remediation, unless an alternative reporting schedule has been requested by the Operator and approved by the Director. The Director may request a more frequent reporting schedule based on site-specific conditions.

Report Type: [ ] Groundwater Monitoring [ ] Land Treatment Progress Report [ ] O&M Report

[X] Other Quarterly Update

Adequacy of Operator's General Liability Insurance and Financial Assurance

Describe the adequacy of the Operator's general liability insurance and Financial Assurance to fully address the anticipated costs of Remediation, including the estimated remaining cost for this project (below).
If this information has been provided on a Form 27 within the last 12 months, provide the Document Number of that form.

Noble intends to directly address the costs of remediation at the locations as part of our asset retirement obligation process and operations. Noble has general liability insurance (policies MWZZ316714 and MWZX316724) and financial assurance in compliance with ECMC rules. Records are available on the ECMC's website. The cost for remediation is an estimate only, costs may change upwards or downward based on site-specific information. Noble makes no representation or guarantees as to the accuracy of the estimate.

Operator anticipates the remaining cost for this project to be: $ 50000

WASTE DISPOSAL INFORMATION

Was E&P waste generated as part of this remediation? No

Describe beneficial use, if any, of E&P Waste derived from this remediation project:

Volume of E&P Waste (solid) in cubic yards

E&P waste (solid) description

ECMC Disposal Facility ID #, if applicable:

Non-ECMC Disposal Facility:

Volume of E&P Waste (liquid) in barrels

E&P waste (liquid) description

ECMC Disposal Facility ID #, if applicable:

Non-ECMC Disposal Facility:

REMEDIATION COMPLETION REPORT

REMEDIATION COMPLETION SUMMARY

Is this a Final Closure Request for this Remediation Project? No

If YES:

[ ] Compliant with Rule 913.h.(1).

[ ]

Compliant with Rule 913.h.(2).

☐ Compliant with Rule 913.h.(3).

Do all soils meet Table 915-1 standards? _____

Does the previous reply indicate consideration of background concentrations? _____

Does Groundwater meet Table 915-1 standards? _____

Is additional groundwater monitoring to be conducted? _____

Operator shall comply with the ECMC 1000-Series Reclamation Requirements for all impacted and disturbed areas.

RECLAMATION PLAN

RECLAMATION PLANNING

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing.

Reclamation will be completed in accordance with ECMC 1000 Series Rules.

Is the described reclamation complete? Yes

Does the reclamation described herein constitute interim or final reclamation of the Oil and Gas Location?

☒ Interim ☐ Final

Did the Surface Owner provide the seed mix? _____

If YES, does the seed mix comply with local soil conservation district recommendations? _____

Did the local soil conservation district provide the seed mix? _____

SITE RECLAMATION DATES

Proposed date of commencement of Reclamation. 02/22/2024

Proposed date of completion of Reclamation. 09/01/2026

IMPLEMENTATION SCHEDULE

Per Rule 913.d.(2): Any change from the approved implementation schedule will be requested at least 14 days in advance, and the Operator may not make the change without the Director's approval.

PRIOR DATES

Date of Surface Owner notification/consultation, if required. 09/21/2023

Actual Spill or Release date, or date of discovery. 03/13/2024

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 02/22/2024

Proposed site investigation commencement. 02/22/2024

Proposed completion of site investigation. 12/31/2025

REMEDIAL ACTION DATES

Proposed start date of Remediation. 03/13/2024

Proposed date of completion of Remediation. 06/30/2026

Per Rule 913.d.(2): Any change from the approved implementation schedule will be requested at least 14 days in advance, and the Operator may not make the change without the Director's approval.

☒ Change from approved implementation schedule per Rule 913.d.(2).

Basis for change in implementation schedule:

The implementation schedule has been modified to reflect the proposed schedule for supplemental site investigation activities and anticipated dates for completion of those efforts. Additional site investigation to recharacterize potential impacts identified during initial site investigation is tentatively scheduled to be completed by December 31, 2025.

OPERATOR COMMENT

This form has been submitted to satisfy quarterly reporting requirements for the FRANK CC #7-19 (Remediation Project 32307). Third quarter groundwater sampling was completed September 29, 2025; however, analytical results from the investigation remain pending and will be reported in a subsequent Form 27. See the attachments associated with Document 404156349 for details.

Additional site investigation to recharacterize samples previously collected at the wellhead (WH-FS-01@7', WH-SS-01@6', WH-SS-02@6', WH-SS-03@6', andWH-SS-04@6') as well as a flowline delineation investigation conducted in the vicinity of FL01-02 and the collection of background samples to further establish the natural range of value for inorganic constituents in the area is tentatively scheduled to be completed October 20, 2025. See the SSIP associated with Document 404268279 for details. Pursuant to Rule 913.e., quarterly reporting will be conducted until closure criteria are achieved for the remediation project.

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: Chris McKisson Title: Sr. Scientist/Partner

Submit Date: Email: cvx-rems@confluence-cc.com

Based on the information provided herein, this Application for Site Investigation and Remediation Workplan complies with ECMC Rules and applicable orders and is hereby approved.

ECMC Approved: Date:

Remediation Project Number: 32307

COA Type	Description

0 COA

ATTACHMENT LIST

Upon approval, the approved Form 27 and all listed attachments will be indexed to the Remediation Project file. Only the approved Form 27 will also be indexed to the related Facilities.

Att Doc Num	Name

Total Attach: 0 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)