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

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Report taken by: Nick Cholas

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: Jason Davidson Email: jason.davidson@chevron.com

Phone Numbers
Phone: (970) 313-5582
Mobile: ( )

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 19760 Initial Form 27 Document #: 402776034

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.
- [ ] 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

No Multiple Facilities

Facility Type: WELL Facility ID: API #: 123-17906 County Name: WELD
Facility Name: UPRC 9-11I6 Latitude: 40.325320 Longitude: -104.791580
** correct Lat/Long if needed: Latitude: Longitude:
QtrQtr: NWSW Sec: 9 Twp: 4N Range: 66W Meridian: 6 Sensitive Area? Yes

SITE CONDITIONS

General soil type - USCS Classifications SW
Most Sensitive Adjacent Land Use Range Land
Is domestic water well within 1/4 mile? Yes
Is surface water within 1/4 mile? Yes
Is groundwater less than 20 feet below ground surface? No

Other Potential Receptors within 1/4 mile

High Priority Habitat - Rule 1202.d Density Habitats, Mule Deer Migration Corridor
Freshwater Pond 0.09mi NE
Freshwater Emergent Wetland 0.1mi E, 0.2mi S
Riverine 0.14mi E, 0.1mi SE, 0.19mi S
Forested/Shrub Riparian 0.22mi N
Farming Structure/Shed 0.22mi E

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 ECMC Doc #403347811	Lab Analysis
Yes	SOILS	Refer to ECMC Doc #403347811	Lab Analysis

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 ECMC Rule 911 a site investigation was conducted pertaining to the UPRC 09-11I6 wellhead cut and cap and flowline decommissioning. Approximately 150' of the flowline was removed, and approximately 30' of the flowline was abandoned in place, as per Form 44 Document #402879114. The wellhead was cut and capped per ECMC rules.

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):

Grab soil samples were collected for analysis by a certified laboratory for TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons) organic compounds in soil per ECMC Table 915-1, and EC, SAR, pH, and boron.

Grab soil samples were collected along the flowline at the directional changes, and at the end point of the removed section of flowline. All soil samples were analyzed as described above.

Proposed Groundwater Sampling

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

Groundwater was encountered during site investigation activities. A temporary groundwater monitoring well was installed at the excavation to determine if groundwater was impacted. A groundwater sample was collected for analysis of BTEX, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. Analytical results are attached to ECMC Document #403347811.

On March 31 and April 4, 2025 groundwater was encountered during site investigation activities. Four groundwater samples were collected for analysis of BTEX, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. Analytical results are pending and will be submitted on a subsequent Form 27.

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):

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected: 3

Number of soil samples exceeeding 915-1: 1

Was the areal and vertical extent of soil contamination delineated? No

Approximate areal extent (square feet): 100

NA / ND

-- Highest concentration of TPH (mg/kg): 212.3

-- Highest concentration of SAR: 1.61

BTEX > 915-1: No

Vertical Extent > 915-1 (in feet): 3

Groundwater

Number of groundwater samples collected: 1

Was extent of groundwater contaminated delineated? Yes

Depth to groundwater (below ground surface, in feet): 3

Number of groundwater monitoring wells installed: 0

Number of groundwater samples exceeding 915-1: 0

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):

NA 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?

☒ Were background samples collected as part of this site investigation?

On September 9, 2021, one background soil sample (BKG01) was collected near the wellhead and analyzed for boron. The background soil sample was collected from a depth of 3 feet below ground surface (ft bgs). Boron was not detected during the analysis of this sample. The boron exceedance observed at FL01-A@3' was above the background concentration at site.

On March 31, 2025, fifteen background soil samples were collected near the wellhead from five discrete locations (BKG02-BKG06) and analyzed for pH, EC, SAR, boron, and Table 915-1 metals per ECMC standards. The background soil samples were collected from approximately 2 to 5 ft bgs. Final analytical results are pending at this time and will be submitted on a subsequent Form 27.

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

Volume of solid waste (cubic yards):

Volume of liquid waste (barrels):

☒ Is further site investigation required?

Based on the analytical results collected during decommissioning activities, on March 31 and April 4, 2025, a supplemental site investigation (SSI) was completed to confirm and delineate the boron exceedance observed at FL01-A@3' during decommissioning activities. Additionally, soil samples were collected at the directional changes and at the end of the removed section of flowline. All samples were collected for the full Table 915-1 suite. Concurrently with the SSI, additional background samples were collected to determine if boron is attributed to native soil conditions at the site. Final analytical results for samples collected during site investigation activities are pending at this time and will be submitted on a subsequent Form 27.

REMEDIAL ACTION PLAN

Does this Supplemental Form 27A include changes to a previously approved Remedial Action Plan? No

SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

Refer to the Remediation Summary section below.

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.

Decommissioning analytical results indicated that organic compound concentrations were in compliance with the applicable ECMC regulatory standards in all soil sample locations. Based on the remaining analytes, a supplemental site investigation (SSI) was completed on March 31 and April 4, 2025 to confirm and delineate the boron exceedance observed at FL01-A@3' during decommissioning activities. Additionally, soil samples were collected via hand auger at the directional changes and at the end of the removed section of flowline. All samples were collected for the full 915-1 suite. Concurrently with the SSI, additional background samples were collected to determine if boron is attributed to native soil conditions at the site. Final analytical results are pending at this time and will be submitted on a subsequent Form 27.

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.

Groundwater was encountered during site investigation activities. A temporary groundwater monitoring well was installed at the excavation to determine if groundwater was impacted. A groundwater sample (GW-01) was collected for analysis of BTEX, naphthalene, 1,2,4-trimethybenzene, and 1,3,5-trimethylbenzene. No organic exceedances were observed in the groundwater sample.

On March 31 and April 4, 2025 groundwater was encountered during site investigation activities. Four groundwater samples were collected for analysis of BTEX, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene and ECMC Table 915 groundwater inorganic compounds. Analytical results are pending and will be submitted on a subsequent Form 27.

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 2Q25 Timeline 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 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?

[X] 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. 09/09/2021

Proposed date of completion of Reclamation. 02/12/2026

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. 04/22/2021

Actual Spill or Release date, or date of discovery.

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 09/01/2021

Proposed site investigation commencement. 03/31/2025

Proposed completion of site investigation. 04/07/2025

REMEDIAL ACTION DATES

Proposed start date of Remediation. 04/07/2025

Proposed date of completion of Remediation. 12/12/2025

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.

[X] Change from approved implementation schedule per Rule 913.d.(2).

Basis for change in implementation schedule:

The implementation schedule has been changed due to the decommissioning of the UPRC 09-11I6 wellhead and flowline, and necessity for supplemental site investigation (SSI) activities adjacent to the wellhead and flowline. The SSI commenced on 03/31/2025, and the analytical results are currently pending. The ECMC will be updated on a subsequent Form 27 with the results of the SSI.

OPERATOR COMMENT

The From 27 is being submitted as a second quarter timeline update for the completed supplemental site investigation adjacent to the UPRC 09-11I6 wellhead and flowline location.

Initial decommissioning analytical results were summarized on a previously submitted Supplemental Form 27 (Document No. 403347811).

Based on the analytical results collected during decommissioning activities, on March 31 and April 4, 2025, a supplemental site investigation (SSI) was completed to confirm and delineate the boron exceedance observed at FL01-A@3' during decommissioning activities. Additionally, soil samples were collected at the directional changes and at the end of the removed section of flowline. All samples were collected for the full Table 915-1 suite. Concurrently with the SSI, additional background samples were collected to determine if boron is attributed to native soil conditions at the site. Final analytical results are pending at this time and will be submitted on a subsequent Form 27.

Following a review of the final analytical data, additional site investigation activities will be proposed via Supplemental Form 27 if necessary.

Pursuant to Rule 913.e, Supplemental Form 27s will be submitted on a quarterly schedule to provide updates and progress of the remediation until closure criteria is met.

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

Signed: Jesse Marcus Title: Environmental Consultant

Submit Date: 05/14/2025 Email: tas-chevron-2@tasman-geo.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: Nick Cholas Date: 07/11/2025

Remediation Project Number: 19760

COA Type	Description
	ECMC has processed this form as an update; no analytical was attached thus approval of this form does not imply any agreement with comments on completion of site investigation. All ongoing/unaddressed comments/COAs from previous Forms remain applicable.

1 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
404203349	INVESTIGATION/REMEDIATION WORKPLAN (SUPPLEMENTAL)
404276350	FORM 27-SUPPLEMENTAL-SUBMITTED

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)