

State of Colorado
Energy & Carbon Management Commission

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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 INFORMATION

Name of Operator: NOBLE ENERGY INC	Operator No: 100322	Phone Numbers
Address: 1099 18TH STREET SUITE 1500		Phone: (970) 730-7281
City: DENVER State: CO Zip: 80202		Mobile: ()
Contact Person: Dan Peterson	Email: RBUEUF27@chevron.com	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 22758 Initial Form 27 Document #: 403005992

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.
- 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 #: 123-24108	County Name: WELD
Facility Name: WEBSTER B 6-17	Latitude: 40.428847	Longitude: -104.587487	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: SENE	Sec: 6	Twp: 5N	Range: 64W Meridian: 6 Sensitive Area? Yes
Facility Type: WELL	Facility ID: _____	API #: 123-24107	County Name: WELD
Facility Name: WEBSTER B 6-7	Latitude: 40.428791	Longitude: -104.587504	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: SENE	Sec: 6	Twp: 5N	Range: 64W Meridian: 6 Sensitive Area? Yes

Facility Type: LOCATION	Facility ID: 332980	API #:	County Name: WELD
Facility Name: WEBSTER B-65N64W 6SENE	Latitude: 40.428847	Longitude: -104.587487	
** correct Lat/Long if needed: Latitude:		Longitude:	
QtrQtr: SENE	Sec: 6	Twp: 5N	Range: 64W Meridian: 6 Sensitive Area? Yes

SITE CONDITIONS

General soil type - USCS Classifications SW Most Sensitive Adjacent Land Use Industrial 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 - Aquatic Native Species Conservation Waters
 Freshwater Emergent Wetlands 0.01mi W, 0.14mi SW, 0.18mi NE
 Riverine 0.02mi W, 0.13mi SW, 0.04/0.23mi NW, 0.09mi N, 0.05mi NE, 0.06mi E, 0.17mi SE
 Freshwater Pond 0.07/0.13mi E, 0.07mi NW, 0.18mi W
 Riparian Forested Shrub 0.04mi W, 0.07mi N, 0.15mi SW
 Farm Structures 0.07/0.09/0.1mi W, 0.11/0.12/0.14/0.23mi SW, 0.2/0.23mi E
 Residential 0.09mi SW, 0.18mi E

SITE INVESTIGATION PLAN

TYPE OF WASTE:

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

DESCRIPTION OF IMPACT

Impacted?	Impacted Media	Extent of Impact	How Determined
UNDETERMINED	GROUNDWATER	NA	Lab analysis and field screening if encountered
UNDETERMINED	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 ECMC Rule 911 a site investigation was conducted pertaining to the WEBSTER B 6-07 and WEBSTER B 6-17, wellheads cut and cap and flowline removal. Approximately 167' of flowline was abandoned in place due to field constraints WEBSTER B6-07 (API 123-24107) and approximately 145' of flowline for WEBSTER B6-17 (API 123-24108) was notified on Form 44 Doc # 403540450.

On February 17, 2023, one grab confirmation sample were collected at the wellhead excavation during cut and cap activities (floor sample) on WEBSTER B6-07. Soil sample was field screened with a PID prior collection. Sample was submitted to a certified laboratory and analyzed VOCs, TPHs, PAH and SSR compounds per Table 915-1. No elevated PID readings were observed. No analytical results were above the Table 915-1 limits.

On May 1, 2023, one grab confirmation sample was collected at separator associated with WEBSTER B6-07. Soil sample was field screened with a PID prior collection. Sample was submitted to a certified laboratory and analyzed VOCs, TPHs, PAH and SSR compounds per Table 915-1. No elevated PID readings were observed. No analytical results were above the Table 915-1 limits.

A site investigation will be conducted pursuant to ECMC Rule 911 at the WEBSTER B6-17 wellhead, flowline, separator, and WEBSTER B-65N64W Tank Battery, produced water vessel(s) excavation, beneath the ground oil tank(s), and at the separator(s).

PROPOSED SAMPLING PLAN

Proposed Soil Sampling

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

Operator collected initial flowline, tank battery (PV), water vessel (WV), and separator (SP) closure assessment borings to assess exceedances on August 20, 2025, analytical results will be provided subsequent form submittal. FL soil samples were collected at depth of 4.5', WV soil samples were collected at depth of 4", PV soil samples will be collected at depth of 4' and SP soil samples collected at 4.5' bgs. These are initial samples, and locations were field verified; samples depths were based on what is observed in the field. Flowline closure assessment soil samples were collected along the flowline path at any points of material change and/or hammer unions, directional changes, as well as at the bell holes on either side of a waterway, where applicable. All closure and delineation samples were analyzed for the full ECMC Table 915-1 analytical list.

Proposed Groundwater Sampling

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

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 2

Number of soil samples exceeding 915-1 0

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

Approximate areal extent (square feet) 0

NA / ND

ND Highest concentration of TPH (mg/kg) _____

-- Highest concentration of SAR 0.21

BTEX > 915-1 No

Vertical Extent > 915-1 (in feet) 6

Groundwater

Number of groundwater samples collected 0

Was extent of groundwater contaminated delineated? Yes

Depth to groundwater (below ground surface, in feet) _____

Number of groundwater monitoring wells installed _____

Number of groundwater samples exceeding 915-1 _____

_____ Highest concentration of Benzene (µg/l) _____

_____ Highest concentration of Toluene (µg/l) _____

_____ Highest concentration of Ethylbenzene (µg/l) _____

_____ Highest concentration of Xylene (µg/l) _____

_____ 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?

Three background samples were collected on August 20, 2025 from soil of native/similar lithologic material not impacted by oil and gas activity. Soil samples will be collected from similar depths as the wellhead, flowline, tank battery, separator, water vessel closure samples for comparison. The background samples will be collected from a depth of 3-, 5- and 6 ft bgs. The samples will be submitted and analysis for ECMC Table 915-1 metals and SSR analytes. Analytical results will be provided on subsequent form submittal

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?

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.

No impacted material caused by oil and gas operations was identified at this time.

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.

NA

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 not encountered during the initial decommissioning event or subsequent supplemental site investigation activity.

REMEDIATION PROGRESS UPDATE

PERIODIC REPORTING

Approved Reporting Schedule:

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

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? No _____

Does the previous reply indicate consideration of background concentrations? _____

Does Groundwater meet Table 915-1 standards? Yes

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?

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. 02/17/2023

Proposed date of completion of Reclamation. 12/31/2028

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. 02/03/2022

Actual Spill or Release date, or date of discovery. _____

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 02/17/2023

Proposed site investigation commencement. 04/20/2022

Proposed completion of site investigation. 12/31/2025

REMEDIAL ACTION DATES

Proposed start date of Remediation. 12/31/2025

Proposed date of completion of Remediation. 12/31/2026

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 changed due to [the completion of the February 2023 supplemental site investigation (SSI) at the WEBSTER B6-7, WEBSTER B6-17, and WEBSTER B-65N64W6SENE and necessity for additional supplemental site investigation activities adjacent to the flowline. The proposed site investigation will be completed following the approval of this form.

OPERATOR COMMENT

This 3Q25 Supplement Form 27 for WEBSTER B6-17, WEBSTER B6-7, WEBSTER B-65N64W6SENE is an update on REM 22758.

Operator collected initial flowline, tank battery (PV), water vessel (WV), and separator (SP) closure assessment borings to assess exceedances on August 20, 2025, analytical results will be provided subsequent form submittal. Flow line soil samples were collected at depth of 4.5', WV soil samples were collected at depth of 4", PV soil samples will be collected at depth of 4' and SP soil samples collected at 4.5' bgs. These are initial samples, and locations were field verified; samples depths were based on field observations. Flowline closure assessment soil samples were collected along the flowline path at any points of material change and/or hammer unions, directional changes, as well as at the bell holes on either side of a waterway, where applicable. All closure and delineation samples were analyzed for the full ECMC Table 915-1 analytical list.

Three background samples were collected on August 20, 2025 from soil of native/similar lithologic material not impacted by oil and gas activity. Soil samples will be collected from similar depths as the wellhead, flowline, tank battery, separator, water vessel closure samples for comparison. The background samples will be collected from a depth of 3-, 5- and 6 ft bgs. The samples will be submitted and analysis for ECME Table 915-1 metals and SSR analytes. Analytical results will be provided on subsequent form submittal

Pursuant to Rule 913.e, quarterly reporting will be conducted until closure criteria are achieved for the remediation project. Results of the supplemental site investigation activities will be submitted on a subsequent Form 27.

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

Signed: Michael LeFrancois

Title: Environmental Consultant

Submit Date: _____

Email: cvxform27@erm.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: 22758

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

404318819	SITE INVESTIGATION PLAN
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Total Attach: 1 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)