

State of Colorado
Energy & Carbon Management Commission

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Report taken by:
Abdul Elnajdi

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: <u>NOBLE ENERGY INC</u>	Operator No: <u>100322</u>	Phone Numbers Phone: <u>(970) 304-5000</u> Mobile: <u>()</u>
Address: <u>1099 18TH STREET SUITE 1500</u>		
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80202</u>
Contact Person: <u>Erica Zuniga</u>	Email: <u>RBUEUF27@chevron.com</u>	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 33867 Initial Form 27 Document #: 403648528

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: <u>WELL</u>	Facility ID: _____	API #: <u>123-23275</u>	County Name: <u>WELD</u>
Facility Name: <u>STORER A 12-2</u>	Latitude: <u>40.506220</u>	Longitude: <u>-104.495530</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>NWNE</u>	Sec: <u>12</u>	Twp: <u>6N</u>	Range: <u>64W</u> Meridian: <u>6</u> Sensitive Area? <u>Yes</u>
Facility Type: <u>SPILL OR RELEASE</u>	Facility ID: <u>487045</u>	API #: _____	County Name: <u>WELD</u>
Facility Name: <u>Storer A #12-2</u>	Latitude: <u>40.506223</u>	Longitude: <u>-104.495522</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>NWNE</u>	Sec: <u>12</u>	Twp: <u>6N</u>	Range: <u>64W</u> Meridian: <u>6</u> Sensitive Area? <u>Yes</u>

SITE CONDITIONS

General soil type - USCS Classifications SC

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? No

Other Potential Receptors within 1/4 mile

Well Within Mule Deer Severe Winter Range HPH
Apparent Pond 0.14mi N, 0.20/0.21mi NE

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
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 ECMC Rule 911 a site investigation was conducted pertaining to the STORER A12-02 wellhead cut and cap and flowline removal. Approximately 1865' of flowline was abandoned-in-place due to field constraints, ECMC was notified on Form 44 Doc # 403881619. The wellhead was cut and capped per ECMC rules.

On 20 May 2024, two grab soil samples were collected at the FL wellhead and separator terminuses by a previous consultant. Samples were submitted to a certified laboratory and analyzed for the full extent of Table 915-1 compounds. Analytical results indicated 915-1 exceedances of pH and metals, wellhead terminus sample reported elevated concentrations of PAHs above Table 915-1 limits. ECMC was notified via F19 Doc 403814176. These samples will not be used as a point of compliance as part of Chevron's Data Integrity review for projects for certain consultants.

On 27 June 2025, 12 soil samples were collected along the flowline and at the flowline terminus at the separator. Delineation borings were advanced in the N-E-S-W locations of the separator. Soil samples were collected at depths of 4 and 6-feet below ground surface, and a confirmation sample was collected at the original sample location. Samples were submitted to a certified laboratory and analyzed for the full extent of Table 915-1 compounds. Analytical results from the soil sample collected at the separator SP-01 reported concentrations of VOCs, PAHs, and pH above Table 915-1 limits. ECMC was notified via F19 Doc 404381145 on 10/7/25. Additionally, two flowline samples reported elevated chromium above background concentrations. Associated Site investigation data is attached to this SF27.

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 will conduct supplemental source mass removal (SSMR) excavation activities to address 915-1 organic exceedances identified in samples collected at the wellhead (FL01R-W) and separator (33867-SP-01-SO) and will sample the excavation sidewalls and floor until standards are met. Grab confirmation soil samples (a minimum of one floor sample and four sidewall samples) will be collected once the proposed excavation boundaries are achieved. Samples will be field screened and analyzed for all ECMC Table 915-1 compounds. All samples collected will be analyzed by a certified laboratory using approved ECMC laboratory analysis methods.

Proposed Groundwater Sampling

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

If groundwater is encountered during the site investigation, a grab groundwater sample will be collected and analyzed for all organic and inorganic compounds per ECMC Table 915-1; This sample analysis includes, but is not limited to BTEX, naphthalene, 1,2,4-trimethylbenzene (TMB), and 1,3,5-TMB by EPA Method 8260, chloride and sulfate anions by EPA method 300.0, and total dissolved solids (TDS) by Method SM 2540C.

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 of the wellhead and flowline areas occurred during abandonment activities. Field personnel screened all disturbed areas using visual and olfactory senses to determine if laboratory confirmation sampling is required. A detailed summary of decommissioning activities at the wellhead and flowline risers, including an ECMC Flowline Closure Checklist, site photos, figures, and laboratory analytical results, were attached to Supplemental Form 27 # 403813880.

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected 17

Number of soil samples exceeding 915-1 7

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

Approximate areal extent (square feet) 700

NA / ND

-- Highest concentration of TPH (mg/kg) 14.4

-- Highest concentration of SAR 3.33

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?

Two BG samples were collected on 5/20/2024. Background data collected by a previous consultant and will not be utilized in the site background determination/compliance evaluation process.

In June 2025 background soil samples were obtained on 6/27/2025 from three locations sufficiently away from the investigation areas to reflect native conditions not impacted by oil and gas activity, and from similar depths and lithologic materials for comparison to confirmation soil sample results. Background samples were analyzed for ECMC Table 915-1 SSR parameters and metals. Maximum background concentrations for compounds that exceed ECMC Table 915-1 in soil samples collected for closure assessment include: pH (8.07, 4 ft bgs), arsenic max X 1.25 (4.65 mg/kg, 4ft bgs), barium max X 1.25 (108 mg/kg, 4 ft bgs), selenium (0.364 mg/kg, 4ft bgs).

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?

Confirmation samples will be collected from the excavations associated with the wellhead and separator until analytical results are below standards. Additional investigation may be required pending remedial activities and compliance with Soil Reclamation standards. Additional background samples will be collected from native, undisturbed areas from corresponding sample depths and analyzed for ECMC Table 915-1 SSR / metals for comparison, as necessary.

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.

Operator will conduct supplemental source mass removal (SSMR) excavation activities and sample both the floor and sidewalls at the wellhead and separator. Collected soil samples will be analyzed by a certified laboratory using approved ECMC laboratory analysis methods. Please refer to the two attached proposed Remedial Action Plans for both locations (wellhead and separator). If groundwater is encountered during SSMR activities, a grab groundwater sample will be collected and analyzed for all organic and inorganic compounds per ECMC Table 915-1.

REMEDICATION 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.

Laboratory analysis from samples collected in May 2024 during initial flowline closure activities identified 1 organic exceedance at sample location FL01R-W@4' (PAHs) that was not addressed during initial closure activities. This exceedance will be removed through a remedial excavation of approximately 10' x 10' x 10' (1,000 cubic feet, or approximately 37.03 cubic yards). A minimum of one (1) floor and four (4) sidewall confirmation soil samples will be collected from each excavation (If the sidewalls extend beyond 40 linear feet, or the floor of the excavation is larger than 500 square feet, then additional floor samples will be collected).

Laboratory analysis from samples collected in June 2025 during previous flowline/separator investigation activities identified organic exceedances at sample location SP-01-SO @ 4 and 6-ft bgs (VOCs and PAHs) that was not addressed during initial closure activities. These exceedances will be removed through a remedial excavation of approximately 10' x 10' x 12' (1,200 cubic feet, or approximately 44.44 cubic yards). A minimum of one (1) floor and four (4) sidewall confirmation soil samples will be collected from each excavation (If the sidewalls extend beyond 40 linear feet, or the floor of the excavation is larger than 500 square feet, then additional floor samples will be collected).

A grab groundwater sample will be collected from each excavation, if groundwater is encountered. All samples collected will be analyzed for ECMC Table 915-1 constituents. The analytical results of the remedial excavation will be submitted on a subsequent Form 27

Source excavation activities are anticipated to commence at the site in Q2 or early Q3 2026. NFA will be considered when soil and/or groundwater (if encountered) concentrations are in compliance with ECMC Table 915-1 standards.

Soil Remediation Summary

In Situ

Ex Situ

_____ Bioremediation (or enhanced bioremediation)

_____ Excavate and offsite disposal

_____ Chemical oxidation

_____ If Yes: Estimated Volume (Cubic Yards) _____

_____ Air sparge / Soil vapor extraction

_____ Name of Licensed Disposal Facility or ECMC Facility ID # _____

_____ Natural Attenuation

_____ Excavate and onsite remediation

_____ Other _____

_____ 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/Remedial Action Plan/ Site Investigation Report _____

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. 06/30/2025

Proposed date of completion of Reclamation. 06/30/2027

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. 01/04/2024

Actual Spill or Release date, or date of discovery. 06/04/2024

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 05/20/2024

Proposed site investigation commencement. 02/15/2024

Proposed completion of site investigation. 04/30/2026

REMEDIAL ACTION DATES

Proposed start date of Remediation. 04/30/2026

Proposed date of completion of Remediation. 06/30/2027

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 proposed remedial implementation date is estimated to commence and be completed in Q2 and early Q3 2026, and cannot be determined until landowner approval for access and implementation schedule is finalized. Operator will notify ECMC on a subsequent form submittal if the proposed excavation activities are delayed from the proposed schedule, the reasoning, and an updated timeline.

OPERATOR COMMENT

This submittal serves as a 1Q2026 quarterly update, submittal of the June 2025 site investigation report, and associated remedial action plan and confirmation sampling at STORER A 12-2 (REM # 33867). Operator is in the process of scheduling excavation activities and estimates the remedial activities to begin in Q2 or early Q3 2026.

The delay in submittal of this F27 is due to additional review for discrepancies in the historical data. During the evaluation, no timeline updates were provided as per Chevron/ECMC direction. Upon completion of the evaluation, Operator expedited the development of this draft F27.

Pursuant to ECMC Rule 911 a site investigation was conducted pertaining to the STORER A12-02 wellhead cut and cap and flowline removal. Approximately 1865' of flowline was abandoned-in-place due to field constraints, ECMC was notified on Form 44 Doc # 403881619. The wellhead was cut and capped per ECMC rules.

On 20 May 2024, two grab soil samples were collected at the FL wellhead and separator terminuses by a previous consultant. Samples were submitted to a certified laboratory and analyzed for the full extent of Table 915-1 compounds. Analytical results indicated 915-1 exceedances of pH and metals, wellhead terminus sample reported elevated concentrations of PAHs above Table 915-1 limits. ECMC was notified via F19 Doc 403814176. These samples will not be used as a point of compliance as part of Chevron's Data Integrity review for projects for certain consultants.

Operator conducted soil sampling on 27 June 2025 along the flowline and at the flowline terminus/separator. 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. Delineation borings were advanced in the N-E-S-W locations of the separator. Soil samples were collected at depths of 4 and 6-feet below ground surface, and a confirmation sample was collected at the original sample location. All confirmation closure and delineation samples were analyzed for the full ECMC Table 915-1 analytical list. Additional background samples were collected from soil of native/similar lithologic material not impacted by oil and gas activity. Soil samples were collected from similar depths as the separator and flowline closure samples for comparison.

Operator is drafting sampling plan to access pH and metal exceedances along the flowline and will submit on subsequent form submittals.

Operator will conduct two supplemental source mass removal (SSMR) excavation activities at previous identified spill associated with wellhead (FL01R-W) and newly identified spill associated with separator (33867-SP-01-SO) and will sample bottom and side wall samples until standards are met at both SSMR locations. Collected soil samples will be analyzed by a certified laboratory using approved ECMC laboratory analysis methods. Please refer to the attached proposed Remedial Action Plans for wellhead and separator. Source excavation activities are anticipated to concluded in 2026, pending landowner access.

Pursuant to Rule 913.e, quarterly reporting will continue for the location until data indicates no further action is warranted.

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

Signed: Michael Abegg

Title: Environmental Consultant

Submit Date: 03/11/2026

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: Abdul Elnajdi

Date: 03/11/2026

Remediation Project Number: 33867

COA Type

Description

COA Type	Description
1 COA	Operator will continue quarterly reporting until the site investigation is complete and Table 915-1 standards are met within the remediation area.

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

Att Doc Num	Name
404253164	INVESTIGATION/REMEDATION WORKPLAN (SUPPLEMENTAL)
404424723	ANALYTICAL RESULTS
404424724	ANALYTICAL RESULTS
404424725	ANALYTICAL RESULTS
404517917	SITE INVESTIGATION REPORT
404543644	REMEDIAL ACTION PLAN
404548929	REMEDIAL ACTION PLAN
404575677	FORM 27-SUPPLEMENTAL-SUBMITTED

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)