

State of Colorado
Energy & Carbon Management Commission

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404355675
Receive Date:
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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 ECOM 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: (832) 943-0805
City: DENVER State: CO Zip: 80202		Mobile: ()
Contact Person: Paul Bireta	Email: BWGroup@chevron.com	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 40949 Initial Form 27 Document #: 404197941

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

No Multiple Facilities

Facility Type: SPILL OR RELEASE	Facility ID: 490309	API #: _____	County Name: WELD
Facility Name: Parcel T065-1 490309	Latitude: 40.507063	Longitude: -104.586831	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: NENE	Sec: 7	Twp: 6N	Range: 64W Meridian: 6 Sensitive Area? Yes

SITE CONDITIONS

General soil type - USCS Classifications SM Most Sensitive Adjacent Land Use agricultural, residential, livestock
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? Yes

Other Potential Receptors within 1/4 mile

These points are related to the specified Lat/Longs of this specific form and DO NOT reflect the distances from the unintentional release point

Within Mule Deer Severe Winter Range HPH
Unidentified pond 985/1084'SW, 843/895/1008' NW
Willow Creek 642'W
Riverine 1234'SW
Freshwater Emergent Wetland 1066' SW
Residential 114/120/1234/1136/1021/984/991/1334' NE, 950'SE' NW
Farm Structure 102/1289/1116/1215/1270 NE, 1202' E, 1176/1314/1270' NW
Weld County Road 72 225'N
Weld County Road 51 860'E
Unnamed Private Road 184'E
Agricultural crop field 139'W, 780'SW, 966'SE, 184'E, 260/932'N, 1161'NW
Livestock corral 883/1024/1103' NW
Domestic Water Well: Permit #338660 (rcpt #10042043 ~415' SW); Permit #338661 (rcpt #10042044 ~660'SW); Permit #338663 (rcpt #10042046 ~942' SW);
Permit # 338665 (rcpt #10042048 ~1183'SW); Permit #338662 (rcpt#10042045 ~900' SW); Permit #338664 (rcpt#10042047 ~1178' SW); Permit # 244844--A
(rcpt#0499687B ~1179' NE); Permit #235491 (rcpt#0479208 ~1228' E).

SITE INVESTIGATION PLAN

TYPE OF WASTE:

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> E&P Waste | <input checked="" type="checkbox"/> Other E&P Waste | <input type="checkbox"/> Non-E&P Waste |
| <input checked="" type="checkbox"/> Produced Water | <input checked="" type="checkbox"/> Workover Fluids | _____ |
| <input checked="" type="checkbox"/> Oil | <input type="checkbox"/> Tank Bottoms | |
| <input checked="" type="checkbox"/> Condensate | <input type="checkbox"/> Pigging Waste | |
| <input checked="" type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rig Wash | |
| <input type="checkbox"/> Drill Cuttings | <input type="checkbox"/> Spent Filters | |
| | <input type="checkbox"/> Pit Bottoms | |
| | <input type="checkbox"/> Other (as described by EPA) | _____ |

DESCRIPTION OF IMPACT

Impacted?	Impacted Media	Extent of Impact	How Determined
Yes	SOILS	Undetermined	Visual/olfactory; Laboratory Analysis
No	VEGETATION	Cleaned	Visual/olfactory

INITIAL ACTION SUMMARY

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

On Sunday, April 6, at approximately 6 pm, Noble incurred a well control incident near Galeton in Weld County at the Bishop Well. Noble notified the Galeton Fire Department and immediately activated emergency response procedures, mobilized an extensive cross-functional team of subject matter experts, and worked closely with the Galeton community and Fire Department. The Bishop Well was secured on 4/10/2025. Unified Command (UC) stood up on 4/7/2025 to undertake initial actions and emergency response measures. On 4/14/2025, UC stood down and Noble's Incident Command (IC) took over, continuing emergency response measures in coordination with UC agencies. The investigation into the incident is ongoing and response activities continue to abate and remediate impacts associated with E&P waste.

This Form 27 addresses impacts within Parcel T065-1 with an approximate area of 2.97 acres, more specifically depicted on the Site Overview Map ("Incorporated Lands"). Separate Form 27s will be submitted to address abatement, investigation, and remediation activities associated with other land parcels potentially impacted by the Bishop Well incident.

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):

Soil sampling is underway consistent with the Environmental Sampling Analysis Plan (ESAP) v1.7, and the attached Residential Soil Sampling Locations Plan (RSSLP) v1.3. To date, 35 soil samples have been collected. Final validated laboratory data for the preliminary sample collected on 4/27/25 and comprehensive soil samples collected 05/20/25 was previously submitted on a Form 27 Supplemental (Document #404248926 and Document #404299305). Final validated laboratory data for landscaping samples collected on 7/10/25 was received on 10/23/25 and final validated laboratory data are attached.

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):

Confirmation wipe sampling was undertaken in accordance with the Confirmation Wipe Sampling and Analysis Plan (CWSAP) v1.0. To date, 1 wipe sample was collected on 5/16/25, but final laboratory data is pending.

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected 35
Number of soil samples exceeding 915-1 35
Was the areal and vertical extent of soil contamination delineated? No
Approximate areal extent (square feet) 0

NA / ND

-- Highest concentration of TPH (mg/kg) 2366
-- Highest concentration of SAR 2.82
BTEX > 915-1 No
Vertical Extent > 915-1 (in feet) 0

Groundwater

Number of groundwater samples collected 0
Was extent of groundwater contaminated delineated? No
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?

The extent of potential impacts to adjacent properties will be individually assessed with separate Remediation Project Numbers according to their assigned parcel ID.

Were background samples collected as part of this site investigation?

Background samples have been collected and final analytical results are pending lab validations.

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?

Noble is conducting an initial site investigation to identify additional potential remedial activities. Should final analytical data indicate the agreed upon list of constituents sampled for analyses exceed applicable limits, a proposed remedial action plan will be developed and submitted for approval.

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.

E&P waste(s) are being collected, removed, and disposed within the limits of the Incorporated Lands in accordance with applicable requirements.

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.

Noble is implementing a multi-phase approach to determine the extent of potential impacts to soil, surface water, and/or groundwater, which will be used to generate a fit-for-purpose remedial action plan. Both visual and olfactory observations and initial PID readings are being relied upon to qualitatively screen for potential soil, surface water, and/or groundwater impacts. Samples are being collected for laboratory analysis to determine whether any analyzed constituent exceeds an applicable threshold or limit. Such identified exceedances will be incorporated into the evaluation of proposed remediation approaches (e.g., in situ, ex situ, monitoring), which will be submitted for review and approval.

Soil Remediation Summary

In Situ

Ex Situ

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

Yes Excavate and offsite disposal
If Yes: Estimated Volume (Cubic Yards) 677
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.

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 Supplemental Site Investigation for soil

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 remaining costs for this project to be determined with the development of work plans necessary to meet ECMC regulations.

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

WASTE DISPOSAL INFORMATION

Was E&P waste generated as part of this remediation? Yes

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

No beneficial use.

Volume of E&P Waste (solid) in cubic yards 677

E&P waste (solid) description Soil, mulch, gravel / Impacted Debris (veg), Household items, Exterior Impacted Debris (trees)

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: Waste Management – North Weld Landfill – 40000 CR 25 Ault, CO

Volume of E&P Waste (liquid) in barrels 212

E&P waste (liquid) description Recoverable Liquids*

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: Pawnee Waste LLC - 47368 CR 118, Grover, CO 80729

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.

The Incorporated Lands are not associated with Oil & Gas Operations. Nonetheless, reclamation activities will be completed once a remedial no further action approval is obtained in accordance with 1000 Series Rules.

Is the described reclamation complete? _____

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. _____

Proposed date of completion of Reclamation. _____

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. 04/06/2025

Actual Spill or Release date, or date of discovery. 04/06/2025

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 05/01/2025

Proposed site investigation commencement. 05/01/2025

Proposed completion of site investigation. 07/01/2025

REMEDIAL ACTION DATES

Proposed start date of Remediation. 09/01/2025

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:

Completion dates subject to change based upon data received as part of the site investigation and implementation of appropriate remedial activities. Initiation of the site investigation and interim remediation activities as part of response activities commenced on 5/1/2025. Remedial actions will be initiated consistent with ECMC approval of Form

OPERATOR COMMENT

This Form 27 is being submitted as a quarterly report to provide an update on activities completed through August 31, 2025, associated with the investigation of T065-1 (REM #40949) following the release at the Bishop Well.

As such and consistent with COA received on 6/17/25 contained in Document #404197941, the Operator is attaching a Parcel Activity Summary Report.

As noted above, this Form 27 is limited to the site investigation and associated remediation activities within Incorporated Lands.

Separate Form 27s will be submitted to address other parcels with potential impacts from the Bishop Well incident.

To support remedial activities, operator is submitting separate Form 27s to address potential impacts associated with agricultural and residential lands and parcels have been subdivided to represent agricultural or residential lands. As such, the previous lat/long coordinates provided were the center of the parcel as defined by the county property boundaries but may not represent the center of the subdivided agricultural and residential lands.

Estimated volumes, dates, and investigation/remediation approaches are subject to revision based on the receipt of additional data being generated as part of ongoing response efforts, including site investigation tasks.

Background samples have been collected, and final analytical results are pending lab validation.

To date, 35 soil samples have been collected. Final validated laboratory data for the preliminary sample collected on 4/27/25 and comprehensive soil samples collected 05/20/25 was previously submitted on a Form 27 Supplemental (Document #404248926 and Document #404299305). Final validated laboratory data for landscaping samples collected on 7/10/25 was received on 10/23/25 and final validated laboratory data are attached.

In response to ECMC's comment dated 09/10/25 on Document # 404299305, operator is providing the complete laboratory analytical tables for the full Table 915-1 analyte list.

The analyses for Chromium VI (GACO0520T065-1CRC009, GACO0520T065-1CRS001 through GACO0520T065-1CRS017) in sample delivery group E5E0702 should be considered unusable due to being out of hold time and/or Matrix spike/matrix spike duplicate recovery criteria not met.

The analysis for benzidine and hexachlorocyclopentadiene (GACO0520T065-1CRS010) in sample delivery group L1861297 should be considered unusable due to matrix spike/matrix spike duplicate recovery criteria not met.

The analysis for benzidine (GACO0710T065-1LC002, and GACO0710T065-1LS001 through GACO0710T065-1LS012) in sample delivery group L1877672 and benzidine (GACO0711T065-1LS013 through GACO0711T065-1LS015) in sample delivery group L1878018 should be considered unusable due to laboratory control sample/laboratory control sample duplicate recovery criteria not met. The analysis of benzo(k)fluoranthene and indeno(1,2,3-cd)pyrene in sample delivery group L1878018 should be considered unusable due to matrix spike/matrix spike duplicate recovery criteria not met.

In response to ECMC's 06/17/25 COA concerning RAT and SCAT assessments, Operator initiated remediation prior to the deployment of RAT survey teams. As a result, RAT surveys were not performed. Remediation-related sampling was instead conducted consistent with the approved ESAP.

The waste volumes provided in the Soil Remediation Summary and Waste Disposal sections of this F27 have been automatically rounded to whole numbers. Total E&P waste is comprised of approximately 158.61 cubic yards of impacted soil, approximately 478.10 cubic yards of impacted vegetation, 39.84 cubic yards of impacted household debris, and 212 bbls of E&P liquids.

*Recovered liquids are not the same as spill volumes.

Pursuant to Rule 913.e, quarterly reporting will be conducted until closure criteria are achieved for the remediation project. The results of the additional

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

Signed: Paul Bireta

Title: Project Manager

Submit Date: 11/03/2025

Email: pbireta@chevron.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: 01/16/2026

Remediation Project Number: 40949

COA Type

Description

	Operator shall delineate the vertical and lateral extent of organic compound impacts that exceed Table 915-1 cleanup standards.
	Quarterly reporting is approved for this project.
2 COAs	

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.

<u>Att Doc Num</u>	<u>Name</u>
404355675	FORM 27-SUPPLEMENTAL-SUBMITTED
404415665	OTHER
404415666	ANALYTICAL DATA SUMMARY TABLE(S)
404415668	LABORATORY ANALYTICAL REPORT
404415671	SOIL SAMPLE LOCATION MAP
404415673	ANALYTICAL DATA SUMMARY TABLE(S)
404415674	ANALYTICAL DATA SUMMARY TABLE(S)
404415675	ANALYTICAL DATA SUMMARY TABLE(S)
404415676	ANALYTICAL DATA SUMMARY TABLE(S)
404415677	LABORATORY ANALYTICAL REPORT
404415680	LABORATORY ANALYTICAL REPORT
404415681	LABORATORY ANALYTICAL REPORT
404415682	LABORATORY ANALYTICAL REPORT
404415683	SOIL SAMPLE LOCATION MAP
404415686	ANALYTICAL DATA SUMMARY TABLE(S)
404415687	ANALYTICAL DATA SUMMARY TABLE(S)
404415688	ANALYTICAL DATA SUMMARY TABLE(S)
404415689	ANALYTICAL DATA SUMMARY TABLE(S)
404415690	ANALYTICAL DATA SUMMARY TABLE(S)
404415691	SOIL SAMPLE LOCATION MAP
404415692	ANALYTICAL DATA SUMMARY TABLE(S)
404415694	ANALYTICAL DATA SUMMARY TABLE(S)
404415695	ANALYTICAL DATA SUMMARY TABLE(S)
404415696	ANALYTICAL DATA SUMMARY TABLE(S)
404415697	ANALYTICAL DATA SUMMARY TABLE(S)

Total Attach: 25 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
	<p>ECMC acknowledges receipt of the laboratory analytical results for the soil sample collected on this project.</p> <p>ECMC notes the following analytes exceeded either the Table 915-1 or EPA RSL for Resident Soil: arsenic, Barium, Cadmium, Chromium VI, Lead and Selenium. Operator has indicated that background soil samples have been collected and laboratory report data validation is pending.</p> <p>ECMC notes the following analytes out of cleanup level range for Table 915-1 Soil Suitability for Reclamation: SAR, EC, and pH.</p>	01/16/2026
	<p>ECMC note: ECMC acknowledges receipt of the Parcel Activity Summary (Summary), which is being submitted in response to ECMC's Condition of Approval associated with Document Number 404299305. This Summary provides a detailed overview of the Site investigation activities completed to date, and the Number and types of samples collected by location.</p>	01/16/2026

Total: 2 comment(s)