

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:
404526586
Receive Date:
03/03/2026

Report taken by:
John Heil

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>CHEVRON USA INC</u>	Operator No: <u>16700</u>	Phone Numbers
Address: <u>760 HORIZON DRIVE STE 401</u>		
City: <u>GRAND JUNCTION</u>	State: <u>CO</u>	Zip: <u>81506</u>
Contact Person: <u>Andrew Olson</u>	Email: <u>andrew.olson@chevron.com</u>	Phone: <u>(970) 257-6004</u>
		Mobile: <u>(661) 979-8847</u>

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 5840 Initial Form 27 Document #: 2214227

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: <u>PIT</u>	Facility ID: <u>286027</u>	API #: _____	County Name: <u>GARFIELD</u>
Facility Name: <u>SKINNER RIDGE 7-27</u>	Latitude: <u>39.587230</u>	Longitude: <u>-108.371000</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>SENE</u>	Sec: <u>27</u>	Twp: <u>5S</u>	Range: <u>98W</u>
	Meridian: <u>6</u>	Sensitive Area? <u>Yes</u>	

SITE CONDITIONS

General soil type - USCS Classifications CL Most Sensitive Adjacent Land Use Non-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

Clear Creek is approximately 350 feet southwest of the reclaimed location.

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
Yes	SOILS	approx. 300 cubic yards	Soil sampling and laboratory 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.

Chevron plugged and abandoned the Skinner Ridge 7-27E well (API #045-06592) and conducted final reclamation of the associated well pad (Facility ID 323799) which included closure of the existing lined production pit (Facility ID 286027). All production equipment has been removed and the Site has been reclaimed. Remedial investigation related to the pit was conducted in June 2011.

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):

No additional soil sampling is proposed.

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

NA / ND

Number of soil samples collected 17 -- Highest concentration of TPH (mg/kg) 1637
 Number of soil samples exceeding 915-1 16 -- Highest concentration of SAR 15
 Was the areal and vertical extent of soil contamination delineated? Yes BTEX > 915-1 Yes
 Approximate areal extent (square feet) 4800 Vertical Extent > 915-1 (in feet) 8

Groundwater

Number of groundwater samples collected 0 Highest concentration of Benzene (µg/l) _____
 Was extent of groundwater contaminated delineated? Yes Highest concentration of Toluene (µg/l) _____
 Depth to groundwater (below ground surface, in feet) _____ Highest concentration of Ethylbenzene (µg/l) _____
 Number of groundwater monitoring wells installed _____ Highest concentration of Xylene (µg/l) _____
 Number of groundwater samples exceeding 915-1 _____ 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?
 Five grab soil samples were collected from nearby, non-impacted, native soil to determine native levels of pH, SAR, EC, and arsenic. See the attached Site Investigation Report for details.

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.

All pit contents and the liner were removed and transported to ECDC Environmental Landfill in East Carbon County, Utah. Impacted soil material beneath the liner was excavated and mixed with clean fill to achieve compliance with Table 910-1 standards. This remediation was completed in accordance with ECMC approval. See the attached correspondence for details. Impacted soil which was unable to be blended due to elevated hydrocarbon concentrations was transported to ECDC in Carbon County Utah for disposal.

Approximately 300 cubic yards of soil was excavated from the production pit below the liner. The excavated soils were separated into two different piles identified as SP 1 and SP 2. A composite sample was collected from each pile and shipped to the laboratory for analysis. Additionally, the composite samples were mixed with clean fill in three different ratios (1:1, 1:2, and 1:3) to determine the appropriate mixing ratio for backfilling activities. The laboratory analysis indicated that the SP 1 soil pile would meet Table 910-1 standards, with the exception of pH and Specific Conductivity, by using the 1:1 mixing ratio. The SP 2 soil pile composite sample met the Table 910-1 standards, with the exception of pH.

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.

On June 13, 2011, Olsson Associates (Olsson) surveyed the pit for any visual indications of soil contamination after the pit contents and liner were removed. Soil samples were collected from the base and sidewalls of the pit. All samples were submitted to Accutest Laboratories of Wheat Ridge, CO for analysis of Table 910-1 soil constituents. The results of initial samples collected on June 13, 2011 identified three locations that exceeded COGCC Table 910-1 standards. The two pit bottom samples (SS2, SS3) and the west wall sample (SS4) contained elevated levels of TPH and/or BTEX.

On June 2, 2011, Chevron personnel removed an additional three feet of soil from the entire pit bottom totaling approximately 150 cubic yards; soil was stored on the pad and identified as Soil Pile 1 (SP 1). On June 27, 2011, Olsson personnel returned to the site to conduct additional confirmation sampling of the SS2, SS3, and SS4 locations. Upon visual inspection of the pit, soil staining was observed along the west wall of the pit, where the SS4 sample was to be collected. Prior to additional sample collection, Chevron personnel removed an additional 150 cubic yards from the west wall of the pit. This soil was stored on the pad and identified as Soil Pile 2 (SP 2). On June 30, 2011, Olsson personnel returned to the site to conduct additional confirmation sampling of the SS2, SS3, and SS4 locations. SS2, SS3, and SS4 re-samples were collected and shipped to Accutest Laboratories.

The results of the confirmation samples for locations SS2 and SS6 slightly exceed the COGCC allowable concentration for background arsenic. In addition several of the confirmation samples exceeded one or all of the Table 910-1 standards for specific conductivity, sodium adsorption ratio and pH, but are buried below three feet of native soil and aren't anticipated to affect plant growth. See the attached Site Investigation Report for additional details.

Soil Remediation Summary

In Situ

Ex Situ

_____ Bioremediation (or enhanced bioremediation)

Yes _____ Excavate and offsite disposal

_____ Chemical oxidation

If Yes: Estimated Volume (Cubic Yards) _____ 150

_____ Air sparge / Soil vapor extraction

Name of Licensed Disposal Facility or ECMC Facility ID # _____

_____ Natural Attenuation

_____ Excavate and onsite remediation

Yes _____ Other Blending with clean import at 1:1 ratio _____

_____ 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 site investigation activities.

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 Closure Request

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.

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:

Slightly TPH impacts pit contents were blended with clean import at a 1:1 ratio which met Table 910-1 standards and used to backfill the pit.

Volume of E&P Waste (solid) in cubic yards _____ 150

E&P waste (solid) description Hydrocarbon impacted soils

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: ECDC

Volume of E&P Waste (liquid) in barrels _____ 0

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? Yes

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? Yes

Does the previous reply indicate consideration of background concentrations? Yes

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.

THE SKINNER RIDGE 7-27E LOCATION WILL BE RECLAIMED AS FOLLOWS: 1. PIT FENCING AND NETTING WILL BE REMOVED AND ALL PIT CONTENTS, INCLUDING ANY FREE LIQUID AND DRILL CUTTINGS, WILL BE REMOVED VIA VACUUM TRUCK AND DISPOSED AT A LICENSED WASTE MANAGEMENT FACILITY IN UTAH. 2. PIT LINER WILL BE REMOVED AND RECYCLED OR TRUCKED TO A LICENSED WASTE MANAGEMENT FACILITY IN UTAH FOR DISPOSAL. 3. SOILS BENEATH LINER MATERIAL WILL BE SAMPLED AT THREE OR MORE LOCATIONS AND ANALYZED FOR COMPLIANCE WITH TPH CONCENTRATIONS AS ALLOWED IN TABLE 910-1. AT LEAST ONE SOIL SAMPLE BENEATH THE LINER WOULD BE ANALYZED FOR THE FULL SUITE OF TABLE 910-1 CONTAMINANTS OF CONCERN. SHOULD TPH (GRO & DRO) BE ABOVE THE TABLE 910-1 ALLOWABLE CONCENTRATIONS, THE SOILS WOULD BE RE-ANALYZED FOR THE FULL SUITE OF TABLE 910-1 CONTAMINANTS OF CONCERN. NATIVE SOIL SAMPLES WILL ALSO BE TAKEN FROM SEVERAL UN-IMPACTED AREAS IN CLOSE PROXIMITY TO THE SUBJECT LOCATION FOR COMPARISON AND CONSIDERATION OF BACKGROUND LEVELS IN THE EVALUATION OF PIT SOILS. IF SOILS BENEATH THE PIT LINER ARE FOUND TO BE IN COMPLIANCE WITH ALLOWABLE TPH CONCENTRATION LEVELS PER TABLE 910-1, THE SOILS WOULD BE LEFT IN PLACE AND THE PIT WOULD BE BACKFILLED WITH NATIVE SOIL AND LOCAL IMPORTED MATERIAL AS NEEDED. IF THE SOILS ARE FOUND TO BE ONLY SLIGHTLY ABOVE THE ALLOWABLE LEVELS FOR TPH AND OTHER CONTAMINANTS OF ARE CONSISTENT WITH BACKGROUND LEVELS (E.G. LOW LEVEL VOLATILE ORGANICS OR SALTS/ARSENIC) THE SOILS WILL BE EXCAVATED FOR LAND TREATMENT ONSITE AND RE-ANALYZED PRIOR TO BURIAL ONSITE. IF SOILS ARE FOUND TO BE HIGH IN INORGANICS OR EXCEED BACKGROUND LEVELS OF OTHER CONTAMINANTS OF CONCERN, THE SOILS WILL BE REMOVED AND TRUCKED FOR DISPOSAL AT A LICENSED WASTE MANAGEMENT/LANDFARM FACILITY IN UTAH. 4. THE EXISTING TANK AND ALL UNDERGROUND PIPING WILL BE REMOVED FROM THE LOCATION AND SOLD FOR SCRAP OR DISPOSED OF AT A LICENSED SOLID WASTE DISPOSAL FACILITY. 5. THE 7-27E WELL PAD WILL THEN BE RIPPED TO DECOMPACT AND GRADED TO BLEND AS NEAR AS POSSIBLE TO SURROUNDING NATURAL CONTOURS. 6. TOPSOIL PRESERVED AT THE TIME OF CONSTRUCTION WILL BE SPREAD OVER THE PAD AND PIT AREA AND RESEEDED WITH CERTIFIED WEED-FREE, DROUGHT-RESISTANT UPLAND GRASSES FOR SITE STABILIZATION. THE NATIVE UPLAND SHRUB VEGETATION WILL BE ALLOWED TO REVEGETATE THE SITE OVER TIME. STORMWATER MANAGEMENT AND EROSION CONTROL BMPs WOULD BE INSTALLED, MAINTAINED AND INSPECTED AT REGULARLY SCHEDULED INTERVALS UNTIL SUCH TIME AS THE SITE WAS REVEGETATED AND DEEMED STABLE. 8. THE SITE WOULD BE MONITORED FOR NOXIOUS WEEDS AND SPRAYED IN THE SPRING AND FALL OF EACH YEAR TO PREVENT THE INTRODUCTION AND SPREAD OF WEEDS UNTIL SUCH TIME AS NATIVE VEGETATION HAS ESTABLISHED AND THE SITE IS DEEMED FINALLY STABILIZED.

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. _____

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. _____

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

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 06/09/2011

Proposed site investigation commencement. 06/09/2011

Proposed completion of site investigation. 06/30/2011

REMEDIAL ACTION DATES

Proposed start date of Remediation. 06/09/2011

Proposed date of completion of Remediation. 09/15/2011

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:

Dates have been updated to reflect completion of site activities.

OPERATOR COMMENT

This form has been submitted to codify historical closure documentation regarding the Skinner Ridge 7-27E Pit (Location ID 286027) investigation. Remedial investigation activities were conducted and completed in June 2011. During a review of open remediation projects, it was identified that Facility ID 286027 and Remediation Project Number 5840 remained active despite completion of closure investigation. This report has been submitted for integration into COGIS records and to request closure of Remediation Project Number 5840.

Please find the Notice of Completion Report prepared by Olsson Associates attached along with correspondence between Chevron staff and ECMC EPS. During a review of the closure report, it was noted that BTEX constituents were entered into the table with incorrect unit conversions which falsely depicted exceedances of Table 910-1 standards; a corrected table which matches the associated laboratory reports has been attached. Additionally, a Form 4 was submitted during the course of site investigation to request a variance for arsenic limits; this form has been attached for reference.

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

Signed: Tim Dobransky

Title: Principal Scientist

Submit Date: 03/03/2026

Email: tdobransky@entradainc.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: John Heil

Date: 03/12/2026

Remediation Project Number: 5840

COA Type

Description

	Based on a review of the information provided, it appears that no further action is necessary at this time and ECMC approves the closure request. Should conditions at the site indicate contaminant concentrations in soils exceeding ECMC standards, or, if groundwater is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.
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

404526586	INVESTIGATION/REMEDATION WORKPLAN (SUPPLEMENTAL)
404526709	SITE INVESTIGATION REPORT
404526710	CORRESPONDENCE
404526728	OTHER
404526758	ANALYTICAL DATA SUMMARY TABLE(S)
404578309	FORM 27-SUPPLEMENTAL-SUBMITTED

Total Attach: 6 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)