

State of Colorado
Energy & Carbon Management Commission

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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 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: <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>No</u>	

SITE CONDITIONS

General soil type - USCS Classifications CL Most Sensitive Adjacent Land Use NON CROP LAND
 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 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
UNDETERMINED	SOILS	EXPECTED TO BE MINIMAL	VISUAL AND SOIL 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.

CHEVRON HAS PLUGGED AND ABANDONED THE SKINNER RIDGE 7-27E WELL (API 045-06592) AND WILL CONDUCT FINAL RECLAMATION OF THE ASSOCIATED WELL PAD (FACILITY ID: 323799) WHICH WILL INCLUDE CLOSURE OF THE EXISTING LINED PRODUCTION PIT (FACILITY ID: 286027). ALL PRODUCTION EQUIPMENT HAS BEEN REMOVED FROM LOCATION WITH EXCEPTION OF ONE 400 BBL UPRIGHT TANK (EMPTY) AND UNDERGROUND PIPING. THIS IS A ROUTINE SITE RECLAMATION AND PIT CLOSURE AND NO IMPACTS TO VEGETATION OR GROUNDWATER ARE ANTICIPATED AS A RESULT OF THIS ACTION. THERE IS POTENTIAL FOR MINOR IMPACT TO SOILS BENEATH THE PIT LINER WHICH WILL BE INVESTIGATED UPON LINER REMOVAL.

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):

Sampling of the pit walls, pit base and pit spoils was conducted in June 2011. Chevron is in the process of locating analytical results associated with this project as they were not migrated into the new ECMC online system

Proposed Groundwater Sampling

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

[Empty text box for groundwater sampling details]

Proposed Surface Water Sampling

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

[Empty text box for surface water sampling details]

Additional Investigative Actions

Additional alternative investigative actions described in attached Site Investigation Plan (summary):

[Empty text box for additional investigative actions]

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

Number of soil samples collected 0
Number of soil samples exceeding 915-1 _____
Was the areal and vertical extent of soil contamination delineated? _____
Approximate areal extent (square feet) _____

NA / ND

_____ Highest concentration of TPH (mg/kg) _____
_____ Highest concentration of SAR _____
BTEX > 915-1 _____
Vertical Extent > 915-1 (in feet) _____

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?

Were background samples collected as part of this site investigation?

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?

THE NEED FOR FURTHER SITE INVESTIGATION IS YET TO BE DETERMINED AND WILL DEPEND ON THE CONDITION OF SOILS BENEATH THE PIT LINER AND THE RESULTS OF THE LAB ANALYSIS. ADDITIONAL SITE INVESTIGATION AND REMEDIATION! WOULD BE CONDUCTED AS NECESSARY UNTIL ALL CONTAMINANTS OF CONCERNS (IF ANY) WERE REMOVED AND ALL IMMEDIATE AND POTENTIAL FUTURE IMPACTS WERE MITIGATED SATISFACTORILY.

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.

PRODUCTION PIT CONTENTS AND PIT LINING MATERIALS WILL BE REMOVED BY VAC TRUCK/EXCAVATION AND TRUCKED OFFSITE FOR DISPOSAL. SHOULD THE SOILS BENEATH THE LINER INDICATE SIGNS OF CONTAMINATION (I.E. VISUAL STAINING, ODOR, EXCESSIVE MOISTURE, TPH CONCENTRATION IN ANALYTICAL SAMPLES), THE IMPACTED SOIL WILL BE EXCAVATED AND REMEDIATED ONSITE OR REMOVED FOR DISPOSAL, OTEHRWISE THE PIT WILL BE BACKFILLED WITH ORIGINAL SOIL AND LOCAL IMPORTED FILL AS NEEDED AND COMPACTED TO PREVENT SUBSIDENCE. ALL UNDERGROUND PIPING WILL BE REMOVED AND TRUCKED OFFSITE FOR DISPOSAL.

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.

Samples from beneath the liner were collected in 2011. TPH impacted soil was blended with clean imported fill at a 1:1 ratio and was approved by Chris Canfield on 7/9/2011. Email correspondence is attached. Impacted soil which was unable to be blended due to elevated hydrocarbon concentrations was transported to ECDC in Carbon County Utah for disposal.

Soil Remediation Summary

In Situ

_____ Bioremediation (or enhanced bioremediation)
 _____ Chemical oxidation
 _____ Air sparge / Soil vapor extraction
 _____ Natural Attenuation
 Yes _____ Other Blending with clean import at
 1:1 ratio _____

Ex Situ

Yes _____ Excavate and offsite disposal
 If Yes: Estimated Volume (Cubic Yards) _____ 150
 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.

NO IMPACT TO GROUNDWATER IS ANTICIPATED. ASSESSMENT OF POTENTIAL FOR IMPACT CANNOT BE INVESTIGATED UNTIL PIT CONTENTS AND LINER ARE REMOVED AND SOILS BENEATH LINER ARE INVESTIGATED.

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 _____

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 impacted 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? 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 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). _____

Proposed site investigation commencement. 06/09/2011

Proposed completion of site investigation. _____

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:

OPERATOR COMMENT

Limited research into what historical information related to this pit closure has been submitted to former COGCC. To meet the current expectation submittal timeline ECMC has requested, this Supplemental Form 27 is being submitted to comply with ECMC Rule 913.e.

The most recent Form 27 submitted for this site (Doc # 2214227) was submitted on 6/1/2011 and approved on 6/3/2011. It was believed that closure of this pit had been approved but review of outstanding open REM projects in the ECMC database revealed that it is still active since the last Form 27 submission, this form brings the Site up to date regarding the aforementioned rule.

Chevron plans to review historical internal files, information already submitted to COGCC (ECMC) and collaborate with the ECMC on path forward as work completed at this location was conducted under previous Table 910-1 regulations. Chevron requests annual reporting on this Site until resolution has been achieved.

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

Signed: Tim Dobransky - Entrada

Title: Principal Scientist

Submit Date: 05/22/2025

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: 09/22/2025

Remediation Project Number: 5840

COA Type

Description

<u>COA Type</u>	<u>Description</u>
1 COA	ECMC denies the Operator's request for annual reporting. By 1/1/2026 the Operator shall submit a Form 27 Supplemental with a detailed plan for the closure of Pit Facility ID 286027.

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>
404213985	INVESTIGATION/REMEDATION WORKPLAN (SUPPLEMENTAL)
404214175	CORRESPONDENCE
404363426	FORM 27-SUPPLEMENTAL-SUBMITTED

Total Attach: 3 Files

General Comments

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

Total: 0 comment(s)