

State of Colorado Oil and Gas Conservation Commission

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Document Number:

402649181

Receive Date:

04/06/2021

Report taken by:

KRIS NEIDEL

Site Investigation and Remediation Workplan (Initial 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 COGCC 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.

Refer to Rules 340, 905, 906, 907, 908, 909, and 910

OPERATOR INFORMATION

Name of Operator: CHEVRON USA INC	Operator No: 16700	Phone Numbers Phone: (970) 675-3814 Mobile: (307) 871-5363
Address: 100 CHEVRON ROAD		
City: RANGELY	State: CO Zip: 81648	
Contact Person: Chris Patterson	Email: spwu@chevron.com	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 18442

Initial Form 27 Document #: 402649181

PURPOSE INFORMATION

- | | |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 901.e. Sensitive Area Determination | <input type="checkbox"/> 909.c.(5), Rule 910.b.(4): Remediation of impacted ground water |
| <input type="checkbox"/> 909.c.(1), Rule 905: Pit or PW vessel closure | <input type="checkbox"/> Rule 909.e.(2)A.: Notice completion of remediation in accordance with Rule 909.b. |
| <input checked="" type="checkbox"/> 909.c.(2), Rule 906: Spill/Release Remediation | <input type="checkbox"/> Rule 909.e.(2)B.: Closure of remediation project |
| <input type="checkbox"/> 909.c.(3), Rule 907.e.: Land treatment of oily waste | <input type="checkbox"/> Rule 906.c.: Director request |
| <input type="checkbox"/> 909.c.(4), Rule 908.g.: Centralized E&P Waste Management Facility closure | <input type="checkbox"/> Other _____ |

SITE INFORMATION

N Multiple Facilities (in accordance with Rule 909.c.)

Facility Type: SPILL OR RELEASE	Facility ID: 461702	API #: _____	County Name: RIO BLANCO
Facility Name: V-5020 Level Sight Glass		Latitude: 40.098225	Longitude: -108.860953
		** correct Lat/Long if needed: Latitude: _____	Longitude: _____
QtrQtr: NESE	Sec: 32	Twp: 2N	Range: 102W Meridian: 6 Sensitive Area? Yes

SITE CONDITIONS

General soil type - USCS Classifications CH

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

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	TBD	Samples

INITIAL ACTION SUMMARY

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

A spill of 21.03 bbl oil and 1.98 bbl PW to SPCC bermed area occurred when a level sight glass on V-5020 (free water knockout) at the Rangely Main Water Plant broke (above ground). The sight glass was isolated immediately upon detection. Majority of top 2-4" of soil media under/around V-5020 is gravel mixed with dirt. Media below gravel line was compacted/frozen and soak in at this level was negligible. Some fluids gathered around a discharge pipe at the north end of the vessel. These fluids followed a weep hole next to the pipe and followed the pipe underground and then exited the vessel pad at a lower level. This lower level is also part of the SPCC bermed area. All effected media has been removed and taken to the CVX Rangely Land Farm, and the area has been water washed. The soil around the previously mentioned sub-surface pipe was hydrovac'd and replaced with clean fill dirt. Per Kris Neidel's note on the Initial Spill Report, a Form 27 Remediation workplan will be submitted prior to closure. Root cause of leak is still under investigation, will include preventative measure in spill closure report. NTL-3A has been submitted to BLM. Nearest surface water is Stinking Water Creek. Proposed Sampling Plan

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):

Three (3) initial grab soil samples will be collected as part of this investigation and analyzed for Table 910-1 parameters. Proposed sample locations are included as an attachment to this submittal.

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 0

Number of soil samples exceeding 910-1

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

Approximate areal extent (square feet) 7000

NA / ND

Highest concentration of TPH (mg/kg)

Highest concentration of SAR

BTEX > 910-1

Vertical Extent > 910-1 (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 910-1

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 910-1

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?

Background samples will be collected as part of this 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?

Initial soil samples from spill area are needed to either close project or determine if further delineation of site is required. Soil sampling results will determine next phase in remediation or Chevron will request closure of assigned REM with supporting documents if impacts are not identified.

REMEDIAL ACTION PLAN

SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

Approximately 230 cubic yards of impacted soil was removed as part of the initial spill response. Impacted soil was taken to Rangely Landfarm 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.

-If impacts are not identified on initial sampling results, request for NFA/closure will be submitted.
-If impacts are identified, timeline of closure will be delayed and will be updated in supplemental Form 27(s).

Soil Remediation Summary

☒ **In Situ**

☐ Bioremediation (or enhanced bioremediation)
☐ Chemical oxidation
☐ Air sparge / Soil vapor extraction
☐ Natural Attenuation
Yes ☐ Other TBD will sample

☒ **Ex Situ**

Yes ☐ Excavate and offsite disposal
If Yes: Estimated Volume (Cubic Yards) 230
Name of Licensed Disposal Facility or COGCC Facility ID #
Yes ☐ Excavate and onsite remediation
Yes ☐ Land Treatment
No ☐ Bioremediation (or enhanced bioremediation)
No ☐ Chemical oxidation
No ☐ 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

Frequency: ☐ Quarterly ☐ Semi-Annually ☒ Annually ☐ Other _____

Report Type: ☐ Groundwater Monitoring ☐ Land Treatment Progress Report ☐ O&M Report
☒ Other REM Progress Rpt. _____

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:

Approximately 230 cubic yards of impacted soil removed and transported to the Rangely Landfarm for treatment.

Volume of E&P Waste (solid) in cubic yards 230

E&P waste (solid) description soil

COGCC Disposal Facility ID #, if applicable: _____

Non-COGCC Disposal Facility: Chevron Rangely Land Farm

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

E&P waste (liquid) description _____

COGCC Disposal Facility ID #, if applicable: _____

Non-COGCC Disposal Facility: _____

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/seeding will not be part of this project. Release area was confined to working surface of facility.

Is the described reclamation complete? No

Does the reclamation described herein constitute interim or final reclamation of the Oil and Gas Location?

☐ Interim? ☐ Final?

Did the Surface Owner approve the seed mix? _____

If NO, does the seed mix comply with local soil conservation district recommendations? _____

IMPLEMENTATION SCHEDULE

PRIOR DATES

Date of Surface Owner notification/consultation, if required. _____

Actual Spill or Release date, if known. 01/31/2019

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 01/31/2019

Date of commencement of Site Investigation. 01/31/2019

Date of completion of Site Investigation. _____

REMEDIAL ACTION DATES

Date of commencement of Remediation. _____

Date of completion of Remediation. _____

SITE RECLAMATION DATES

Date of commencement of Reclamation. _____

Date of completion of Reclamation. _____

OPERATOR COMMENT

Please see attached.

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

Signed: ` Chris Patterson

Title: Lead ENV Specialist

Submit Date: ` 04/06/2021

Email: spwu@chevron.com

Based on the information provided herein, this Application for Site Investigation and Remediation Workplan complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KRIS NEIDEL

Date: 06/10/2021

Remediation Project Number: 18442

Condition of Approval**COA Type****Description**

	Per Rule 915.f, if the remediation project is not completed by January 15, 2022, soils shall comply with Table 915-1.
	By December 2021 the Operator shall collect samples and provide soil delineation results on a form 27.
2 COAs	

Attachment Check 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**

402649181	FORM 27-INITIAL-SUBMITTED
402649216	SITE INVESTIGATION PLAN

Total Attach: 2 Files

General Comments**User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)