

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

402800293

Date Received:

09/02/2021

Spill report taken by:

Spill/Release Point ID:

## SPILL/RELEASE REPORT (INITIAL /w SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to COGCC Rule 912.b. for reporting requirements of spills or releases of E&P Waste, produced Fluids, or unauthorized Releases of natural gas. Submit a Site Investigation and Remediation Workplan (Form 27) if Rule 913.c. applies.

### OPERATOR INFORMATION

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

☐ Transfer of Operatorship: Pursuant to Rule 912.f, this Supplemental Form 19 is being submitted to designate the Buying Operator as the responsible Operator for this Spill and Release.

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402800293

Initial Report Date: 09/02/2021 Date of Discovery: 08/26/2021 Spill Type: Historical Release

#### Spill/Release Point Location:

QTRQTR SWSW SEC 25 TWP 2N RNG 102W MERIDIAN 6Latitude: 40.110470 Longitude: -108.796307Municipality (if within municipal boundaries): \_\_\_\_\_ County: RIO BLANCO

Enter Lat./long measurement of the actual Spill/Release Point. Lat./Long. Data shall meet standards of Rule 216.

#### Reference Location:

Facility Type: WELL☐ Facility/Location ID No \_\_\_\_\_

Spill/Release Point Name: \_\_\_\_\_

☒ Well API No. (Only if the reference facility is well) 05-103-07173☐ No Existing Facility or Location ID No.

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): UnknownEstimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): UnknownEstimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: \_\_\_\_\_

Has the subject Spill/Release been controlled at the time of reporting? Yes

#### Land Use:

Current Land Use: NON-CROP LAND

Other(Specify): \_\_\_\_\_

Weather Condition: P. Cloudy, warm, no windSurface Owner: FEDERAL

Other(Specify): \_\_\_\_\_

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

As part of the well and flowline P&A process developed under REM # 19004, impacts around well head were identified. A total of 12 test pits were excavated to various depths on and off location to further delineate the nature and extent of hydrocarbon impacts. Impacts were identified visually and olfactory as well as with a PID and were found to be at depths ranging between 6 to 10 feet below ground surface. Impacts appear to have remained on location and further migration was impeded by an extremely hard shale layer which begins around 10 feet below ground surface. The approximate impact boundary is shown on the attached Fig. 1.

**List of Agencies and Other Parties Notified Pursuant to Rule 912.b.(7)-(11):**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
9/1/2021	COGCC	Kris Neidel	970-846-5097	Turn in Form 19 Initial, Supplemental, and closure and procede under REM 19004
9/2/2021	BLM	Tim Barrett	970-878-3817	Took verbal report-sent site map of location

**REPORT CRITERIA**

**Rule 912.b.(1) Report to the Director (select all criteria that apply):**

No	Rule 912.b.(1).A: A Spill or Release of any size that impacts or threatens to impact any Waters of the State, Public Water System, residence or occupied structure, livestock, wildlife, or publicly-maintained road.  Waters of the State: _____ Public Water System: _____ Residence or Occupied Structure: _____ Livestock: _____ Wildlife: _____ Publicly-Maintained Road: _____
Yes	Rule 912.b.(1).B: A Spill or Release in which 1 barrel or more of E&P Waste or produced fluids is spilled or released outside of berms or other secondary containment.
Yes	Rule 912.b.(1).C: A Spill or Release of 5 barrels or more of E&P Waste or produced Fluids regardless of whether the Spill or Release is completely contained within berms or other secondary containment.
No	Rule 912.b.(1).D: Within 6 hours of discovery, a Grade 1 Gas Leak. For a Grade 1 Gas Leak from a Flowline, the Operator also must submit the Form 19 – Initial, document number on a Form 44, Flowline Report, for the Grade 1 Gas Leak  Enter the approximate time of discovery _____ (HH:MM) Enter the Document Number of the Grade 1 Gas Leak Report, Form 44 _____ Was there a reportable accident associated with either a Grade 1 Gas Leak or an E&P waste spill or release? _____ Enter the Document Number of the Initial Accident Report, Form 22 _____ Was there damage during excavation? _____ Was CO 811 notified prior to excavation? _____
Yes	Rule 912.b.(1).E: The discovery of 10 cubic yards or more of impacted material resulting from a current or historic Spill or Release. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards.  Estimated Volume of Impacted Solids (cu. yd.): 530
No	Rule 912.b.(1).F: The discovery of impacted Waters of the State, including Groundwater. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards. The presence of free product or hydrocarbon sheen on Groundwater or surface water is reportable. The presence of contaminated soil in contact with Groundwater or surface water is reportable. Check all that apply:  <input type="checkbox"/> The presence of free product or hydrocarbon sheen Surface Water <input type="checkbox"/> The presence of free product or hydrocarbon sheen on Groundwater <input type="checkbox"/> The presence of contaminated soil in contact with Groundwater <input type="checkbox"/> The presence of contaminated soil in contact with Surface water

No	Rule 912.b.(1).G: A suspected or actual Spill or Release of any volume where the volume cannot be immediately determined, including a spill or release of any volume that daylights from the subsurface.
No	Rule 912.b.(1).H: Spill or Release resulting in vaporized hydrocarbon mists that leave the Oil and Gas Location or Off-Location Flowline right of way from an Oil and Gas Location and impacts or threatens to impact off-location property.
	<input type="checkbox"/> Areas offsite of Oil & Gas Location <input type="checkbox"/> Off-Location Flowline right of way
No	Rule 912.b.(1).I: A Release of natural gas that results in an accumulation of soil gas or gas seeps.
No	Rule 912.b.(1).J: A Release that results in natural gas in Groundwater.

## SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 09/02/2021		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input checked="" type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER		0	<input checked="" type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE	0	0	<input type="checkbox"/>

specify: \_\_\_\_\_

Was spill/release completely contained within berms or secondary containment? NO    Was an Emergency Pit constructed? NO

*Secondary containment, **including walls & floor regardless of construction material**, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

**A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit**

Impacted Media (Check all that apply)    ☒ Soil    ☐ Groundwater    ☐ Surface Water    ☐ Dry Drainage Feature

Surface Area Impacted:    Length of Impact (feet): 120    Width of Impact (feet): 60

Depth of Impact (feet BGS): 4    Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Test pits were excavated on and off location to delineate nature and extent of impacts. The impacts originated from around the wellhead cellarCI and migrated to the east over an unknown time period. Impact zone was found to consistently be no deeper than 10 feet bgs and was confined to a 4 foot interval from 6 to 10 feet bgs thinning out at greater distances from wellhead. An extremely hard shale layer at 10 ft bgs prevented further downward migration.

Soil/Geology Description:

Clays at surface transitioning to weathered shale and hard shale at 10 ft bgs - CL to SH

Depth to Groundwater (feet BGS) 500    Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

Water Well	<u>        </u>	None	<input checked="" type="checkbox"/>	Surface Water	<u>        </u>	None	<input checked="" type="checkbox"/>
Wetlands	<u>        </u>	None	<input checked="" type="checkbox"/>	Springs	<u>        </u>	None	<input checked="" type="checkbox"/>
Livestock	<u>        </u>	None	<input checked="" type="checkbox"/>	Occupied Building	<u>        </u>	None	<input checked="" type="checkbox"/>

Additional Spill Details Not Provided Above:

The well permit number 286592 on the COGIS map shown 0.38 miles to the SW is not actually at that location and does not show true depth to water.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 09/02/2021

Root Cause of Spill/Release Unknown (Historical)

Other (specify) \_\_\_\_\_

Type of Equipment at Point of Spill/Release: Other

If "Other" selected above, specify or describe here:

Wellhead concrete cellar

Describe Incident & Root Cause (include specific equipment and point of failure)

It is assumed that historical fluids from within the concrete well cellar percolated down over time and migrated to the east when it hit the hard shale layer.

Describe measures taken to prevent the problem(s) from reoccurring:

This was a historical release. Chevron currently has an active program to remove accumulated fluids from the concrete well cellars.

Volume of Soil Excavated (cubic yards): \_\_\_\_\_

Disposition of Excavated Soil (attach documentation) ☐ Offsite Disposal ☐ Onsite Treatment ☐ Other (specify) \_\_\_\_\_

Volume of Impacted Ground Water Removed (bbls): \_\_\_\_\_

Volume of Impacted Surface Water Removed (bbls): \_\_\_\_\_

## REQUEST FOR CLOSURE

**Spill/Release Reports should be closed when impacts have been remediated or when further investigation and corrective actions will take place under an approved Form 27.**

- Basis for Closure:
- ☐ Corrective Actions Completed (documentation attached, check all that apply)
    - ☐ Horizontal and Vertical extents of impacts have been delineated.
    - ☐ Documentation of compliance with Table 915-1 is attached.
    - ☐ All E&P Waste has been properly treated or disposed.
  - ☒ Work proceeding under an approved Form 27 (Rule 912.c).
 

Form 27 Remediation Project No: 19004
  - ☐ SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

## OPERATOR COMMENTS:

Please see attachments

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

Signed: \_\_\_\_\_ Print Name: Chris Patterson

Title: Lead ENV Specialist Date: 09/02/2021 Email: spwu@chevron.com

COA Type	Description

## Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402800324	SOIL SAMPLE LOCATION MAP
402800335	PHOTO DOCUMENTATION

Total Attach: 2 Files

### General Comments

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

Total: 0 comment(s)