

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

403410977

Date Received:

05/23/2023

Spill report taken by:

Anderson, Laurel

Spill/Release Point ID:

483542

## SPILL/RELEASE REPORT (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>NOBLE ENERGY INC</u>	Operator No: <u>100322</u>	<b>Phone Numbers</b>
Address: <u>2001 16TH STREET SUITE 900</u>		Phone: <u>(970) 730-7281</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80202</u>
Contact Person: <u>Dan Peterson</u>		Mobile: <u>( )</u>
		Email: <u>rbueuf27@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# 403271193

Initial Report Date: 12/24/2022 Date of Discovery: 12/23/2022 Spill Type: Recent Spill

#### Spill/Release Point Location:

QTRQTR NWNW SEC 22 TWP 6N RNG 63W MERIDIAN 6Latitude: 40.478227 Longitude: -104.429364Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

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

#### Reference Location:

Facility Type: GAS PROCESSING PLANT☐ Facility/Location ID No \_\_\_\_\_Spill/Release Point Name: Wells Ranch CGF☐ Well API No. (Only if the reference facility is well) 05- -☒ No Existing Facility or Location ID No.

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

Estimated Oil Spill Volume(bbl): >=5 and <100Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): 0Estimated 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: 0 degreesSurface Owner: FEE

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

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

During normal operations, a bleed valve on a discharge line from the cold vent knockout pump was discovered in the open position. Approximately 6.679 bbl. of oil was discharged to the ground. Valve was shut in; absorbent pads and booms were deployed and clean up is under way.

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

**OTHER NOTIFICATIONS**

<u>Date</u>	<u>Agency/Party</u>	<u>Contact</u>	<u>Phone</u>	<u>Response</u>
12/24/2022	COGCC	Kyle Waggoner	-	
12/24/2022	Noble Land	Land Owner	-	
12/24/2022	Weld County	Jason Maxey	-	
12/24/2022	COGCC	Laurel Anderson	-	

**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: \_\_\_\_\_

No 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? \_\_\_\_\_

No 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.): \_\_\_\_\_

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 daylight 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: 05/23/2023		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	7	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	0	0	<input 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? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
<i>Secondary containment, <b>including walls &amp; floor regardless of construction material</b>, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
<b>A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit</b>			
Impacted Media (Check all that apply) <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted:    Length of Impact (feet): <u>265</u>		Width of Impact (feet): <u>30</u>	
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): _____	
How was extent determined?			
The extent of the release was determined through visual delineation and was confirmed with laboratory analysis			
Soil/Geology Description:			
well-graded sand			
Depth to Groundwater (feet BGS) <u>60</u>		Number Water Wells within 1/2 mile radius: <u>2</u>	
If less than 1 mile, distance in feet to nearest	Water Well	<u>1310</u> None <input type="checkbox"/>	Surface Water <u>3960</u> None <input type="checkbox"/>
	Wetlands	<u>2110</u> None <input type="checkbox"/>	Springs _____    None <input checked="" type="checkbox"/>
	Livestock	<u>1225</u> None <input type="checkbox"/>	Occupied Building <u>850</u> None <input type="checkbox"/>
Additional Spill Details Not Provided Above:			

During normal operations, a bleed valve on a discharge line from the cold vent knockout pump was discovered in the open position. Approximately 6.679 bbl. of oil was discharged to the ground. Valve was shut in; absorbent pads and booms were deployed and cleanup was implemented. The impacted soil was removed and hauled to a COGCC approved disposal facility. Two waste characterization soil samples for full COGCC Table 915-1 analysis were collected. Based on soil analytical results, residual TPH and benzene exceeding COGCC Table 915-1 residential soil screening levels were observed. The arsenic concentrations are consistent/less than the local clean-up level observed at the site. Confirmation samples were collected in compliance with TPH (C6-C36), BTEX, naphthalene, and TMBs regulatory limits. Based on analytical results and field observations, the spill has been cleaned up, and no further action is requested.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/23/2023

Root Cause of Spill/Release Equipment Failure

Other (specify)

Type of Equipment at Point of Spill/Release: Other

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

Frozen valve

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

During normal operations, a bleed valve on a discharge line from the cold vent knockout pump was discovered in the open position. The valve had frozen in extreme temperature conditions.

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

Noble utilizes heat trace and insulation where practical. Noble personnel are coached to visually inspect all fittings and connections and ensure equipment is operational at all times.

Volume of Soil Excavated (cubic yards): 85

Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment

☐ Other (specify)

Volume of Impacted Ground Water Removed (bbls): 0

Volume of Impacted Surface Water Removed (bbls): 0

## 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:

☐ SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

## OPERATOR COMMENTS:

Operator requested adherence to Table 915-1 residential standards on 1/2/23. Residential standards approved by COGCC 1/17/23 - Doc #403271348. Reduced SAP requested 1/17/23 - approved by COGCC following conversations/justification review with Operator on 2/21/23 - Doc #403292867. Supp.19/NFAR submitted 2/27/23 to close spill within 90-day expectation. NFA denied 4/28/23 - Doc #403331635. Operator and COGCC reviewed previous submission/misunderstandings. COGCC directed Operator to resubmit NFA request. This form is submitted to close Spill ID 483542.

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

Signed: \_\_\_\_\_ Print Name: Andrew Newberry

Title: Environmental Consultant Date: 05/23/2023 Email: anewberry@eagle-enviro.com

**COA Type**

**Description**

0 COA	

**Attachment List**

**Att Doc Num**

**Name**

403410977	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403410985	ANALYTICAL RESULTS
403410987	CORRESPONDENCE
403411016	CORRESPONDENCE
403411018	CORRESPONDENCE
403414000	FORM 19 SUBMITTED

Total Attach: 6 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Environmental	Based on the information presented, it appears that no further remedial action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if groundwater is found to be impacted, then further investigation and/or remediation activities may be required.	05/23/2023
Environmental	Arsenic concentrations in confirmation soil samples exceed the Table 915-1 Residential Soil Screening Level Concentrations, but they are within the 1.25 times range the arsenic concentration in the background sample.	05/23/2023
Environmental	Confirmation samples collected on 1/16/2023 show Benzene and TPH exceedances were delineated.	05/23/2023
Environmental	Per Doc# 403271348, COGCC approved the use of Residential SSLs.	05/23/2023

Total: 4 comment(s)