

State of Colorado

Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

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Document Number:

403783217

Date Received:

05/09/2024

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

486694

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to ECMC 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: NOBLE ENERGY INC	Operator No: 100322	Phone Numbers
Address: 1099 18TH STREET SUITE 1500		Phone: (970) 730-7281
City: DENVER	State: CO	Zip: 80202
Contact Person: Dan Peterson		Mobile: ()
		Email: rbueuf27@chevron.com

☐ 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# 403744576

Initial Report Date: 04/05/2024 Date of Discovery: 04/03/2024 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NENW SEC 16 TWP 2N RNG 64W MERIDIAN 6

Latitude: 40.145120 Longitude: -104.558235

Municipality (if within municipal boundaries): No County: WELD

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

☐ Check this box if this spill/release is related to a loss of integrity of a flowline, pipeline, crude oil transfer line, or produced water transfer line.

Reference Location:

Facility Type: TANK BATTERY

☒ Facility/Location ID No 451501

Spill/Release Point Name: DP 406 Pig Launcher

☐ 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): 0

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): >=1 and <5

Estimated Other E&P Waste Spill Volume(bbl): 0

Estimated 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: 70s and Sunny

Surface Owner: FEE

Other(Specify):

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

A reportable release was discovered at the DP 406 Pig Launcher. An equipment failure led to the release of 2.78 bbl of produced water outside of containment. Upon discovery the facility was shut in and clean up operations were started.

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

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
4/5/2024	Noble Land	Landowner	--	
4/5/2024	Weld County	Jason Maxey	--	
4/5/2024	Weld County	David Burns	--	
4/5/2024	ECMC	Chris Canfield	--	

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.

No

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.): _____ 12

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's 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: 05/08/2024		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	3	3	<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? 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) <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): 15		Width of Impact (feet): 22	
Depth of Impact (feet BGS): 1		Depth of Impact (inches BGS): _____	
How was extent determined?			
The vertical and horizontal extent of impacts were determined through an environmental site assessment.			
Soil/Geology Description:			
Sandy clay loam.			
Depth to Groundwater (feet BGS) 25		Number Water Wells within 1/2 mile radius: 0	
If less than 1 mile, distance in feet to nearest		Water Well 3051 None <input type="checkbox"/>	Surface Water 3630 None <input type="checkbox"/>
		Wetlands 5047 None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>
		Livestock _____ None <input checked="" type="checkbox"/>	Occupied Building 5302 None <input type="checkbox"/>
Additional Spill Details Not Provided Above:			

No additional spill details.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/08/2024

Root Cause of Spill/Release Corrosion

Other (specify)

Type of Equipment at Point of Spill/Release: Pig Station

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

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

The root cause of the incident was a pinhole leak due to microbial induced corrosion. The leak was located on the flange of the above ground pig launching pipeline.

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

Chevron conducts routine, proactive radiography and phased array scanning of all produced water above ground appurtenances. Scanning of the line that leaked had been conducted, however, due to the failure point being along the flange of the piping, the scanning instruments were unable to capture adequate imaging and conduct preventative repair measures. Chevron is conducting a failure analysis to determine if any improvements to current inspection methods can be made to cover the specific area that failed. The compromised section was replaced with carbon steel. Going forward, all new produced water carbon steel piping is being internally lined with corrosion resistant coating to prevent this issue from reoccurring.

Volume of Soil Excavated (cubic yards): 12

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:

An equipment failure led to a produced water release of 2.78 bbls at the DP406 facility on 4/3/24. An excavation was conducted to remove impacted soil; 12 cubic yards of soil were transported to the Waste Management Conservation Services Landfill in Bennett, Colorado for disposal. Confirmation soil samples were collected and analyzed for the full ECMC Table 915-1 analyses. Laboratory data indicate that petroleum organics have been adequately remediated. Arsenic and pH levels exceeded their respective Table 915-1 standards but were less than the maximum background concentrations; therefore, Noble proposes that arsenic and pH be considered adequately remediated.

Barium concentrations were greater than the Table 915-1 standard for the Protection of Groundwater (GW SSLs) but below the Residential Soil Screening Level (RSSL). Since this was a surface release that was immediately excavated and no contamination was discovered at depths greater than 8" below ground surface, Noble proposes the RSSLs be utilized at this site. If the RSSLs are used, all constituents

achieve the Table 915-1 standards or are less than the maximum background concentrations. Therefore, a no further action determination can be provided by ECMC.

The laboratory data are summarized in Tables 1, 2, 3 and 4 and illustrated on Figures 3 and 4. The laboratory reports and chain of custody information are attached. Copies of the landfill manifests and tickets are available upon request.

Noble respectfully requests closure of this release.

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

Signed: _____ Print Name: Michelle Bartoszek

Title: HSE Advisor Date: 05/09/2024 Email: michelle.bartoszek@chevron.com

COA Type

Description

	Based on the information presented, it appears that no further action is necessary at this time and the ECMC approves the closure request. However, if future conditions at the site indicate contaminant concentrations in soils exceeding ECMC standards or if groundwater is found to be impacted, then further investigation and/or remediation activities may be required.
1 COA	

ATTACHMENT LIST

Att Doc Num

Name

403783217	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403783324	OTHER
403802389	FORM 19 SUBMITTED

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Environmental	ECMC approves the Operator's request to utilize Table 915-1 RRSLs.	05/23/2024
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Total: 1 comment(s)