

State of Colorado

Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

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Document Number:

403777893

Date Received:

05/03/2024

Spill report taken by:

Sanchez, Chris

Spill/Release Point ID:

486525

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: EVERGREEN NATURAL RESOURCES LLC	Operator No: 10705	Phone Numbers
Address: 1875 LAWRENCE ST STE 1150		Phone: (719) 2204330
City: DENVER	State: CO	Zip: 80202
Contact Person: Timothy Fernandez		Mobile: ()
		Email: timothy.fernandez@enrllc.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# 403770471

Initial Report Date: 04/26/2024 Date of Discovery: 04/25/2024 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR SWSW SEC 17 TWP 34S RNG 66W MERIDIAN 6

Latitude: 37.079951 Longitude: -104.809536

Municipality (if within municipal boundaries): County: LAS ANIMAS

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: WELL

☐ Facility/Location ID No

Spill/Release Point Name: Lorencito 13-17 Spill

☒ Well API No. (Only if the reference facility is well) 05-071-07981☐ 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: 4.5 bbl

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: 62 degrees, sunny, calm

Surface Owner: FEE

Other(Specify): _____

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

ENR was notified by an ECMC inspector of a historic produced water spill at 1330 on 4/24/2024 at the Lorencito 13-17 well (API:0507107981) in Las Animas, County, Colorado. Spill, Start Lat. 37.07995194 Long. -104.8095369, End , Lat. 37.07935194 Long. -104.809489.

The spill was discovered by an ECMC inspector and was reported via email to ENR staff. Upon inspection, white staining from the historical spill was discovered along the spill path, originating at the wellhead. The packing was no longer leaking. The spill appears to have originated from the packing of the wellhead, ran 70 feet south across the location, and flowed an additional 75 feet south off location to a road below. The spill continued to flow down a bar ditch along the road southeast for an additional 110 feet. The spill did not come into contact with any live water and did not affect any state waters.

There is an ongoing investigation regarding equipment failure and volume.

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

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
4/26/2024	Landowner/Ranch Manager	Mike Powell	-	Phone
4/25/2024	LACOG	Robert Lucero	-	Email
4/25/2024	CPW	Karen Voltura	-	Email
4/25/2024	CPW	Bob Holder	-	Email
4/25/2024	CPW	Mike Brown	-	Email
4/25/2024	ECMC	Chris Sanchez	-	Email

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? _____
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: 05/03/2024		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	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: 4.5 bbl of produced water			
Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
<i>Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
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): <u>255</u>		Width of Impact (feet): <u>3</u>	
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): <u>2</u>	
How was extent determined?			
Visual Inspection, GPS, GIS Mapping			
Soil/Geology Description:			
Saruche-Rombo-Rock outcrop complex, 25 to 50 percent slopes			
Depth to Groundwater (feet BGS) <u>250</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>2550</u>	None <input type="checkbox"/>	Surface Water <u>2650</u> None <input type="checkbox"/>
	Wetlands <u>2650</u>	None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>
	Livestock _____	None <input checked="" type="checkbox"/>	Occupied Building _____ None <input checked="" type="checkbox"/>
Additional Spill Details Not Provided Above:			

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/03/2024

Root Cause of Spill/Release Incorrect Operations (Human Error)

Other (specify)

Type of Equipment at Point of Spill/Release: Other

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

Packing on Wellhead

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

The spill was discovered by an ECMC inspector and was reported via email to ENR staff. Upon inspection, white staining from the historical spill was discovered along the spill path, originating at the wellhead. The packing was no longer leaking. The spill appears to have originated from the packing of the wellhead, ran 70 feet south across the location, and flowed an additional 75 feet south off location to a road below. The spill continued to flow down a bar ditch along the road southeast for an additional 110 feet. After investigation, it was determined that the spill was caused by a leaking packing on the wellhead. The packing was changed and properly tightened to prevent further leakage.

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

Lease operator was informed to conduct periodic inspections on all packing, to properly tighten and lubricate packing to prevent further leakage. Line pressure will be monitored to prevent excess pressures which may contribute to packing failure.

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:

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

OPERATOR COMMENTS:

After investigation, it was determined that the spill was caused by a leaking packing at the wellhead. The packing was changed and tightened. Well be monitored for excess pressure and the lease operator was instructed to perform periodic inspection of the packing to prevent further leaks. Two years of 909j samples have been conducted at this well and the most recent results are attached (Refer to sample 278530Y on report). ENR is requesting reduced soil sampling analytes at this site due to the absence of TPH and Organics in the produced water samples. ENR will conduct soil samples at this site as requested by the ECMC and will update via Form 19 as soon as results are received.

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

Signed: _____ Print Name: Timothy Fernandez

Title: Regulatory Supervisor Date: 05/03/2024 Email: timothy.fernandez@enrllc.com

COA Type

Description

0 COA	

ATTACHMENT LIST

Att Doc Num

Name

403777910	OTHER
403777912	OTHER
403777913	MAP
403777914	PHOTO DOCUMENTATION
403777934	ANALYTICAL RESULTS

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)