

State of Colorado
Energy & Carbon Management Commission



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Document Number:

403634837

Date Received:

01/30/2024

Spill report taken by:

NEIDEL, KRIS

Spill/Release Point ID:

485405

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>FULCRUM ENERGY OPERATING LLC</u>	Operator No: <u>10805</u>	Phone Numbers
Address: <u>240 SAINT PAUL STREET SUITE 502</u>		Phone: <u>(970) 896-5665</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80206</u>
Contact Person: <u>Rikki Ross</u>		Mobile: <u>()</u>
		Email: <u>rikki.ross@fulcrumeo.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# 403578693

Initial Report Date: <u>10/31/2023</u>	Date of Discovery: <u>10/30/2023</u>	Spill Type: <u>Recent Spill</u>
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Spill/Release Point Location:

QTRQTR NESW SEC 16 TWP 7N RNG 80W MERIDIAN 6

Latitude: 40.573423 Longitude: -106.381535

Municipality (if within municipal boundaries): _____ County: JACKSON

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

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 446527

Spill/Release Point Name: Pintail 16 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): >=100

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

Specify: Approximately 670 bbls

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: Clear and 24 degrees

Surface Owner: FEE Other(Specify): Kohlman' Ranch

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

On 10/30/2023, at 9:30 PM, Fulcrum Energy had a spill on the Pintail 16 Pad. The produced water pump from the Bighorn did not properly shut off and over-filled two produced water tanks on the Pintail location. The lease operator was working his route when he arrived on the location and was able to make the proper notifications to shut the pump off. Approximately 670 BBL's of produced water spilled inside the tank containment. Clean up has begun. As of 11/9/2023, all standing water has been vacuumed into trucks and disposed of per regulations. The equipment inside of containment is in the process of being cleaned of contaminated water. The spill occurred on a liner, completely inside of containment. There were no holes observed in the liner and the integrity of the liner is still intact. There has been no contact with the soil.

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

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
10/31/2023	Kohlman's Ranch	Greg Ray	-	
10/31/2023	Jackson County	Samantha Martin	-	

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:

- The presence of free product or hydrocarbon sheen Surface Water
- The presence of free product or hydrocarbon sheen on Groundwater
- The presence of contaminated soil in contact with Groundwater
- 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: <u>10/30/2023</u>		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>670</u>	<u>670</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
specify: _____			
Was spill/release completely contained within berms or secondary containment? <u>YES</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 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): _____		Width of Impact (feet): _____	
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): _____	
How was extent determined?			
Site observations. Steel berm and lined secondary containment is approximately 140 feet x 60 feet.			
Soil/Geology Description:			
According to the USDA Natural Resource Conservation Soil Survey, the containment area is made of two major soil types: CyF—Cryorthents, steep (CyF) and Fluetsch-Tiagos association (Fh). The native composition of each soil type is:			
CyF — (72%)			
H1 - 0 to 4 inches: cobbly loam			
H2 - 4 to 8 inches: cobbly loam			
H3 - 8 to 15 inches: very cobbly loam			
H4 - 15 to 19 inches: unweathered bedrock			
Fh — (27%)			
H1 - 0 to 10 inches: sandy loam			
H2 - 10 to 30 inches: sandy clay loam			
H3 - 30 to 60 inches: sandy loam			
Depth to Groundwater (feet BGS) <u>100</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>2600</u> None <input type="checkbox"/>	Surface Water <u>2700</u> None <input type="checkbox"/>
		Wetlands <u>890</u> None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>
		Livestock <u>890</u> None <input type="checkbox"/>	Occupied Building _____ None <input checked="" type="checkbox"/>
Additional Spill Details Not Provided Above:			

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 12/22/2023

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:

Pump shutoff control

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

The produced water pump from the Bighorn did not properly shut off and over-filled two produced water tanks on the Pintail location.

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

Replace of automatic shutoff control swtich was completed.

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:

The ECMC requested on Form 19 Initial Report (Doc# 403578693) to "Assess the nature and extent of contamination with confirmation surface water and soil samples. Delineate the horizontal and vertical extent of impacted area and remediate impacts to Table 915-1." Photo documentation of the containment is provided in Attachment A for records of sufficient lined containment. It is Fulcrum's opinion that no water or soil samples should be required as good engineering practices were use in the design of this secondary containment that has the sole purpose of eliminating potential impacts outside of containment. Therefore, there is no justification to assume impacts have occurred outside containment. Upon site closure, the area below the containment and remaining location area will be delineation as per ECMC rules.

