

State of Colorado
Energy & Carbon Management Commission



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Document Number:
403878475

Date Received:
10/01/2024

Spill report taken by:
NEIDEL, KRIS

Spill/Release Point ID:
486774

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: <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>		Mobile: <u>()</u>
Contact Person: <u>Rikki Ross</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# 403795509

Initial Report Date: 05/17/2024 Date of Discovery: 05/16/2024 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NWNE SEC 7 TWP 7N RNG 80W MERIDIAN 6

Latitude: 40.598518 Longitude: -106.415608

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.

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: OIL AND GAS LOCATION Facility/Location ID No _____

Spill/Release Point Name: Marr 0780 #1-6H31 Well API No. (Only if the reference facility is well) 05-057-06608

No Existing Facility or Location ID No.

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

Estimated Oil Spill Volume(bbl): <u>0</u>	Estimated Condensate Spill Volume(bbl): <u>0</u>
Estimated Flow Back Fluid Spill Volume(bbl): <u>0</u>	Estimated Produced Water Spill Volume(bbl): <u>0</u>
Estimated Other E&P Waste Spill Volume(bbl): <u>0</u>	Estimated Drilling Fluid Spill Volume(bbl): <u>Unknown</u>

Specify: Exact amount is unknown at this time.

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: Partly cloudy and 66 degrees

Surface Owner: OTHER (SPECIFY)

Other(Specify): Grizzly Ranch

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

On 05/16/2024 at 12:30 pm an FEO Employee was conducting site inspections when he noticed what appeared to be a stain daylighting from the area of the Marr 4-6H31 well head. Notifications were made immediately. Upon further investigation the area around the well head appeared to be wet and had a slight smell of a hydrocarbon. The cover was removed, and the casing was full of what appeared to be drilling fluid. This is contained to a 6-foot cellar ring with a cement bottom. The contaminated soil will be removed, and the fluid will be sucked down to prevent future spills. All soil and liquids will be disposed properly. A blind flange will be installed to prevent any fluids from entering or exiting the well bore. WELL NAME WAS ORIGINALLY FILED AS THE MARR 0780 #1-6H31, HOWEVER, THE CORRECT WELL NAME IS MARR 0780 4-6H31.

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

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
5/17/2024	Grizzly Ranch - TRK Properties	Kallen Kinzey	-	
5/17/2024	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: n/a

Public Water System: n/a

Residence or Occupied Structure: n/a

Livestock: n/a

Wildlife: n/a

Publicly-Maintained Road: n/a

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.

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:

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

Yes	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>05/16/2024</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>0</u>	<u>0</u>	<input type="checkbox"/>
DRILLING FLUID	<u>68</u>	<u>68</u>	<input checked="" 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 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>10</u>		Width of Impact (feet): <u>10</u>	
Depth of Impact (feet BGS): <u>7</u>		Depth of Impact (inches BGS): <u>0</u>	
How was extent determined?			
<p>The horizontal and vertical extent of impacts around the Marr 0780 4-6H31 (northern most well location) were delineated on May 22, 2024. A hollow-stem soil auger via skid steer attachment was used to bore vertically in 5 locations in a radial pattern just outside the cellar. Borings were drilled down to 7 feet. Soil was screened through visual and odor observations, and also via PID and EC meters. Sample SS-02 showed slight indications of VOCs at 7 feet. The boring was further drilled down to 9 and 11 feet and no indication of impacts were observed. Two more borings were drilled north and east of SS-02, also down to 7 feet, and no indication of impacts were observed. Sample SS-02 was submitted for characterization of impacts and indicated exceedances for the following Table 915-1 constituents: DRO/TPH, pH and Arsenic (Attachment A & B).</p>			
Soil/Geology Description:			
<p>According to the USDA Natural Resource Conservation Soil Survey, the spill area is made of two major soil types: Bosler sandy loam (Bs) and Girardot silty clay loam (Gn). The native composition of each soil type is:</p> <p>Bs -- (99.5%) H1 - 0 to 3 inches: sandy loam H2 - 3 to 15 inches: sandy clay loam H3 - 15 to 21 inches: sandy loam H4 - 21 to 60 inches: very gravelly loamy coarse sand</p> <p>Gn -- (.5%) H1 - 0 to 8 inches: silty clay loam H2 - 8 to 60 inches: sandy clay loam</p>			
Depth to Groundwater (feet BGS) <u>140</u>		Number Water Wells within 1/2 mile radius: <u>3</u>	
If less than 1 mile, distance in feet to nearest		Water Well <u>605</u> None <input type="checkbox"/>	Surface Water <u>1502</u> None <input type="checkbox"/>
		Wetlands <u>1024</u> None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/22/2024Root 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:

Cellar of conductor casing.

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

Drilling fluids were not completely removed from the cellar upon setting of the conductor by historical operations.

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

Inspections of location with similar historical operations and drilling contractor oversight for future wells.

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: 37091 SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

OPERATOR COMMENTS:

As previously reported, Sample SS-02 was submitted for lab analysis to characterize potential impacts. An issue was encountered with the original sample submitted to the lab and a duplicate sample, stored under refrigeration, was submitted as a replacement. Analytical results are provided in Attachment A & B. Sample SS-02 exceeded the following Table 915-1 constituents: DRO/TPH, pH and Arsenic.

Fulcrum will further delineate and remediate the horizontal and vertical extent of the impacted area to Table 915-1 standards, demonstrating compliance with confirmation soil samples.

A Form 27 Initial Report (Doc# 403878516) is being submitted concurrently with this Form 19 Supplemental Report to transfer further site

