

State of Colorado

Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

404021559

Date Received:

12/12/2024

Spill report taken by:

Graber, Candice
(Nikki)

Spill/Release Point ID:

485746

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>KP KAUFFMAN COMPANY INC</u>	Operator No: <u>46290</u>	Phone Numbers
Address: <u>1700 LINCOLN ST STE 4550</u>		
City: <u>DENVER</u>	State: <u>CO</u> Zip: <u>80203</u>	
Contact Person: <u>Cullen Chew</u>		
		Phone: <u>(720) 8689848</u>
		Mobile: <u>(205) 9144843</u>
		Email: <u>cchew@kpk.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# 403622774

Initial Report Date: <u>12/12/2023</u>	Date of Discovery: <u>12/12/2023</u>	Spill Type: <u>Recent Spill</u>
Spill/Release Point Location:		
QTRQTR <u>NENE</u> SEC <u>32</u> TWP <u>3N</u> RNG <u>62W</u> MERIDIAN <u>6</u>		
Latitude: <u>40.187928</u>	Longitude: <u>-104.342822</u>	
Municipality (if within municipal boundaries): _____	County: <u>WELD</u>	
Enter Lat./long measurement of the actual Spill/Release Point. Lat./Long. Data shall meet standards of Rule 216.		
<input checked="" type="checkbox"/> 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: <u>FLOWLINE SYSTEM</u>	<input checked="" type="checkbox"/> Facility/Location ID No <u>464255</u>	
Spill/Release Point Name: <u>Lost Creek State 1-32 Flowline</u>	<input type="checkbox"/> Well API No. (Only if the reference facility is well) <u>05- -</u>	
<input type="checkbox"/> No Existing Facility or Location ID No.		
Estimated Total Spill Volume: use same ranges as others for values		
Estimated Oil Spill Volume(bbl): <u>>=1 and <5</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>>=1 and <5</u>	
Estimated Other E&P Waste Spill Volume(bbl): <u>0</u>	Estimated Drilling Fluid Spill Volume(bbl): <u>0</u>	
Specify: _____		
Has the subject Spill/Release been controlled at the time of reporting? <u>Yes</u>		

Land Use:

Current Land Use: CROP LAND Other(Specify): _____

Weather Condition: Cloudy, 9 mph winds, 28 degrees F

Surface Owner: FEE Other(Specify): Cervi Enterprises, Inc.

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

KPK was pressure testing the flowline for Lost Creek State 1-32 and identified oil breaching the ground surface. The wells were shut in, KPK excavated the impacted soil (24'x15'x20'), and repaired the leak in the flowline. The impacted soils were placed on a plastic liner. External corrosion of the steel flowline is the root cause of the spill.

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>
12/13/2023	CPW	B Marette/L Hamous-Miller	-	emailed
12/12/2023	ECMC	C Canfield/N Graber	-	email response
12/12/2023	Weld County	online OEM Spill Report	-	email confirmation
12/12/2023	Landowner	Cervi Enterprises Inc.	970-356-6000	

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.): _____ 257

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
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'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: 12/12/2024		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL			<input checked="" type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER			<input checked="" 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, 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): 24		Width of Impact (feet): 15	
Depth of Impact (feet BGS): 20		Depth of Impact (inches BGS): _____	
How was extent determined?			
Field screening and laboratory analytical soil sampling			
Soil/Geology Description:			
ML			
Depth to Groundwater (feet BGS) 21		Number Water Wells within 1/2 mile radius: 15	
If less than 1 mile, distance in feet to nearest		Water Well 732 None <input type="checkbox"/>	Surface Water 2134 None <input type="checkbox"/>
		Wetlands 965 None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>
		Livestock _____ None <input checked="" type="checkbox"/>	Occupied Building 3364 None <input type="checkbox"/>
Additional Spill Details Not Provided Above:			

County Road 386 is 1,322 ft NW of spill. An unnamed dirt oil and gas access road is 849 ft W of spill. 15 water wells are within 1/2 mile radius of spill; nearest water well is 732 ft SE of spill. East Lost Creek is 2,134 ft E of spill, and Lost Creek is 2,280 ft NW of spill. Nearest wetland is 965 ft SE of spill. Nearest occupied building is 3,364 ft NW of spill. Nearest 100-year floodplain is 163 feet N of spill. Spill is located within High Priority Habitat for Mule Deer Severe Winter Range (agriculture field). CPW was notified of spill via email but have not responded. No springs or livestock within a mile. Depth to groundwater measured in well S-A1 located 4,900 ft south of spill.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 12/12/2024

Root Cause of Spill/Release Corrosion

Other (specify)

Type of Equipment at Point of Spill/Release: Other

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

3" steel flowline

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

The root cause of the spill is external corrosion on the 3" steel pipe flowline (6 o'clock position). There are many causes of corrosion in buried steel lines including (but not limited to): age; insulation failure; low pH; hard water; water temperature; microorganisms; chemical and electrochemical reactions; soil type and quality; chlorides; pressure; and/or oxygenated water. In most cases of both internal and external corrosion, more than one of these factors contribute. Every site has the potential for a different combination of contributing factors. In the case of KPKs flowlines and consolidated flowlines, the most common contributing factors are hard water, chemical and electrochemical reactions; microbial conditions, chlorides, and insulation failure. Determining specific causes of corrosion at a single site requires many chemical and physical parameter investigations and testing. It is not practical nor appropriate to conduct such investigations at every release site, especially when KPKs preventive measures employed following the identification of a corrosion root cause eliminates corrosion as a future potential.

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

The corroded section of pipe was cut out and replaced with a similar 3" steel pipe that was welded in place.

Volume of Soil Excavated (cubic yards): 257

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: 37043

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

OPERATOR COMMENTS:

In the form 27 initial doc#403696783, the estimated volume of excavated waste was calculated incorrectly at 2318 cubic yards, and the 257 cubic yard volume listed in this form is correct based on excavation dimensions.

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

Signed: _____ Print Name: Cullen Chew

Title: Environmental Coordinator Date: 12/12/2024 Email: cchew@kpk.com

COA Type

Description

0 COA	

ATTACHMENT LIST

Att Doc Num

Name

404021888	PHOTO DOCUMENTATION
404021948	MAP
404022798	CORRESPONDENCE
404023536	OTHER

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)