

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401786612

Date Received:

10/08/2018

Spill report taken by:

YOUNG, ROB

Spill/Release Point ID:

457550

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 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

Name of Operator: <u>IMPETRO RESOURCES LLC</u>	Operator No: <u>10690</u>	Phone Numbers
Address: <u>2820 LOGAN DRIVE</u>		Phone: <u>(970) 593-8626</u>
City: <u>LOVELAND</u>	State: <u>CO</u>	Mobile: <u>(970) 593-8626</u>
Zip: <u>80538</u>		Email: <u>sbradley.impetro@gmail.com</u>
Contact Person: <u>Sam Bradley</u>		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401764320

Initial Report Date: 09/15/2018 Date of Discovery: 09/14/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSE SEC 7 TWP 4S RNG 53W MERIDIAN 6

Latitude: 39.710310 Longitude: -103.356096

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

Reference Location:

Facility Type: WELL ☐ Facility/Location ID No _____
 Spill/Release Point Name: Loudder ☒ No Existing Facility or Location ID No.
 Number: 14-7 #2 ☐ Well API No. (Only if the reference facility is well) 05- -

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes
Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.

Were Five (5) barrels or more spilled? Yes

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

Estimated Oil Spill Volume(bbl): >=1 and <5 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: Recovered 145 BBL of fluid. See picture for wellhead sample at 2% oil cut.

Land Use:

Current Land Use: OTHER Other(Specify): Pasture

Weather Condition: Clear/Sunny

Surface Owner: FEE Other(Specify): Carl Wright

Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State ☐ Residence/Occupied Structure ☐ Livestock ☐ Public Byway ☐ Surface Water Supply Area ☐

As defined in COGCC 100-Series Rules

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

On 09/14/18 at 13:10 a flowline leak was discovered, shut-in and isolated. The flowline is from the Loudder 14-7 #2 well to the Loudder tank battery. The leak was discovered by the pumper. The well was shut in and the extent of the release was walked by the pumper. The release was contained by creating a soil berm at the low end of the release. A vac truck was on site within ~15 minutes and began removing liquid. A clean-up crew was dispatched to help the vac truck remove the liquid. 145 bbl of liquid was recovered from the surface consisting of ~3 bbl oil and ~142 bbl water (see attached picture of wellhead sample from 9/13/18 showing 2% oil cut). The clean-up crew prepared the oil stained soil for removal. Eagle Enviromental was dispatched to take a soil sample and a water sample from a small pond in a low spot in the field located ~140' past the end of the release. The oil stained soil will be removed on 9/17/18 by M&M Excavation and hauled to disposal at Waste Management.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
9/15/2018	COGCC	Susan Sherman	719-775-1111	On site inspection on 9/16/18
9/15/2018	LGD	Larry Griese	970-345-6662	None
9/15/2018	Surface Owner	Carl Wright	970-554-0540	None

Was there a Grade 1 Gas Leak associated with this E & P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Grade 1 Gas Leak Report Form 44: _____

Was there a reportable accident associated with this E & P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Accident Report, Form 22: _____

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 10/05/2018		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	3	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	_____	145	<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 checked="" type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): 1330		Width of Impact (feet): 5	
Depth of Impact (feet BGS): 0		Depth of Impact (inches BGS): _____	
How was extent determined?			
On September 15, 2018, EAGLE mobilized to the site to assess the full surficial extents of the unintentional flow line release. EAGLE observed surface impacts extending west approximately 100 feet and approximately 1,030 feet to the north from the release location. The surface impacts were localized within a low-lying area downgradient of the release.			
Soil/Geology Description:			
Based on field observations, soil conditions observed adjacent to the release location consisted of sandy silt from the ground surface to approximately 4.5 feet below ground surface (bgs). Surficial soil observed downgradient of the release location consisted of clayey, sandy silt from the ground surface to approximately 2 feet bgs.			
Depth to Groundwater (feet BGS) 8		Number Water Wells within 1/2 mile radius: 3	

If less than 1 mile, distance in feet to nearest Water Well 1285 None ☐ Surface Water 1277 None ☐
Wetlands _____ None ☒ Springs _____ None ☒
Livestock _____ None ☒ Occupied Building _____ None ☒

Additional Spill Details Not Provided Above:

Please see the attached "Loudder 14-7 #2 - Field Assessment and Analytical Report - 10.5.18.pdf" from Eagle Environmental and the disposal manifests from Waste Management - CSI in Bennett, CO. New top soil was hauled in and seeded with prairie mix per the landowners request.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 10/05/2018

Cause of Spill (Check all that apply) ☐ Human Error ☒ Equipment Failure ☐ Historical-Unknown
☐ Other (specify) _____

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

External corrosion of 2" steel flowline. The size of the hole was smaller than a dime. A murphy gauge was being used on the flowline set to shut down at + or - 15 psi. The leak was so small it did not create greater than 15 psi drop in flowline pressure. It is believed that the flowline was laid in 1960. Material is 2" thin wall steel with no external coating.

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

Flowline is being replaced with 2-3/8" thick wall steel flowline that is wrapped.

Volume of Soil Excavated (cubic yards): 228

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)

☐ Work proceeding under an approved Form 27

Form 27 Remediation Project No: _____

OPERATOR COMMENTS:

Please see the "Spill/Release Detail Report", "Corrective Actions Report" and the attached support documentation.

Request for no further action.

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

Signed: _____ Print Name: Sam Bradley

Title: Managing Member Date: 10/08/2018 Email: sbradley.impetro@gmail.com

Condition of Approval

COA Type**Description**

	Based on the information presented, it appears that no further action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be impacted, then further investigation and/or remediation activities may be required. In addition, the surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules.
1 COA	

Attachment List

Att Doc Num**Name**

401786612	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401786613	ANALYTICAL RESULTS
401786614	DISPOSAL MANIFEST
401789521	FORM 19 SUBMITTED

Total Attach: 4 Files

General Comments

User Group**Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)