

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401883642

Date Received:

12/20/2018

Spill report taken by:

YOUNG, ROB

Spill/Release Point ID:

460342

SPILL/RELEASE REPORT (INITIAL /w 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> Zip: <u>80538</u>	Mobile: <u>(970) 593-8626</u>
Contact Person: <u>Sam Bradley</u>		Email: <u>sbradley.impetro@gmail.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401883642

Initial Report Date: 12/20/2018 Date of Discovery: 12/14/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENW SEC 21 TWP 2N RNG 49W MERIDIAN 6

Latitude: 40.133580 Longitude: -102.863580

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

Reference Location:

Facility Type: PIT ☒ Facility/Location ID No 117634

Spill/Release Point Name: Walters Pit ☐ No Existing Facility or Location ID No.

Number: _____ ☐ 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): 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: 200 BBL OF PRODUCED WATER ~1,000 TDS

Land Use:

Current Land Use: CROP LAND

Other(Specify): _____

Weather Condition: WINDY

Surface Owner: FEE

Other(Specify): Gail McCauley

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 12/19/18 at 15:45 the local farmer called the Impetro Resources LLC 24 hour phone number posted on the sign at the Walters tank battery and informed that the produced water pit was over flowing on the East side due to large waves and was beginning to wash out. Sam called the lease operator to shut the flow to the pit off. The lease operator arrived on location and shut off flow to the pit at 16:30. Sam arrived on location with a construction crew at 18:00 and observed a 6" wide and 1' deep wash at the top of the East pit wall. At 18:00 freeboard was approximately 1' with the wind blowing waves against the East wall. A water flow 6" wide and 1" deep was flowing across the pit wall and down into the bar ditch and across WCR 39. Concrete sacks and sand bags were used to stop the flow and secure the pit wall for the night. On 12/20/2018 a water truck was used to suck up 180 bbl of water from under ice along the bar ditch and the pit wall was repaired with a back-hoe.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
12/20/2018	Surface Owner	Gail McCauley	970-630-5201	Voicemail - No Return Call
12/20/2018	COGCC	Susan Sherman	719-775-1111	Onsite inspection
12/20/2018	LGD	Larry Griese	970-345-6662	Phone Discussion
12/20/2018	COGCC	Rob Young	720-471-1304	Phone Discussion

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: 12/20/2018		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	200	180	<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) ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Dry Drainage Feature

Surface Area Impacted: Length of Impact (feet): 250 Width of Impact (feet): 50

Depth of Impact (feet BGS): _____ Depth of Impact (inches BGS): _____

How was extent determined?

Walking and mapping the extent of the release. Utilizing Google Earth for measurements.

Soil/Geology Description:

Very fine grain silt with <5% sand content.

Depth to Groundwater (feet BGS) 229 Number Water Wells within 1/2 mile radius: 0
If less than 1 mile, distance in feet to nearest Water Well 2810 None ☐ Surface Water None ☒
Wetlands None ☒ Springs None ☒
Livestock None ☒ Occupied Building 4635 None ☐

Additional Spill Details Not Provided Above:

A produced water analysis will be performed for TDS, major cations/anions and SAR. This lease was checked at 13:00 by the lease operator on 12/19/18. Service crew was called to fix the equalizing line however the pit was not taken out of service. The release was discovered at 15:45 on 12/19/18. The release was stopped and contained at 20:00 on 12/19/18.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 12/20/2018

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)

Human error. The lease operator took this lease over from another operator recently. The equalizer line between the pits was not working properly. Instead of taking the pit out of service when 2' of freeboard was achieved the pit remained in service with a service crew scheduled to fix the equalizer. Strong wind created waves that caused the East pit wall to overflow and cut out. Root cause was human error letting the pit get over full and the east wall failed due to waves.

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

Pit will be taken out of service when 2' of freeboard is reached. Additional training on valves used to do this has been performed.

Volume of Soil Excavated (cubic yards): 0

Disposition of Excavated Soil (attach documentation) ☐ Offsite Disposal ☐ Onsite Treatment
☐ Other (specify)

Volume of Impacted Ground Water Removed (bbls): 0

Volume of Impacted Surface Water Removed (bbls): 0

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 attached aerial map. Additional plans have been made to increase the integrity of the East pit wall by increasing the thickness and height. At the time of this release the low corner of the pit wall was the NE corner which is also the most fill. Had this release gone without being found the entire pit could have been released. After the East pit wall is increased the low corner will be the SW corner which is the least ammount of fill thus preventing the enrire pit from releasing if there is ever another over fill issue.

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: 12/20/2018 Email: sbradley.impetro@gmail.com

COA Type

Description

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401883642	SPILL/RELEASE REPORT(I/S)
401883647	SITE MAP
401887699	FORM 19 SUBMITTED

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	COGCC mapped the spill area on 12/21/2018 using GPS. Spill map will be added to spill file.	12/28/2018

Total: 1 comment(s)