

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401935071

Date Received:

02/11/2019

Spill report taken by:

Hughes, Jim

Spill/Release Point ID:

460502

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>PETROX RESOURCES INC</u>	Operator No: <u>69805</u>	Phone Numbers
Address: <u>12600 W COLFAX AVENUE #C-440</u>		Phone: <u>(303) 803-3998</u>
City: <u>LAKEWOOD</u>	State: <u>CO</u>	Zip: <u>80215</u>
Contact Person: <u>Ryan Clark</u>		Mobile: <u>()</u>
		Email: <u>ryan@petrox-resources.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401894431

Initial Report Date: 01/06/2019 Date of Discovery: 01/06/2019 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSE SEC 29 TWP 33N RNG 5W MERIDIAN NLatitude: 37.072601 Longitude: -107.414628Municipality (if within municipal boundaries): _____ County: ARCHULETA

Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 378715Spill/Release Point Name: CDP/Ellison 29-1 Location ☐ 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? No

*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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=5 and <100Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): _____Weather Condition: Cold and SnowingSurface Owner: FEE Other(Specify): _____

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):

A slug of water was pushed to the Ellison location and overflowed the tank on location. The excess water was fully contained in the berm. Petrox believes that one of the below surface lines froze during the night and during the morning of 1/6/2019 it thawed causing a large slug of water to fill the tank. Petrox is still investigating the cause but will have the exact cause for the supplemental spill report. 60 bbls were pulled from the berm and disposed of at the Tierra Piedra #15-1 SWD facility. Water flow rates returned to normal shortly after the slug. The location recently was upgraded from a 250 bbl to 400 bbl tank, which minimized spill volume. A remediation plan will be determined when the root cause is identified.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
1/6/2019	COGCC	Jim Hughes	970-9034072	Left Email
1/6/2019	Land Owner		-	Petrox Field Foreman verbally told the new land owner.

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: 02/11/2019		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	60	60	<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? YES 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): _____ Width of Impact (feet): _____

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

How was extent determined?

60 bbls was pulled from the lined and bermed secondary containment.

Soil/Geology Description:

The spill never breached containment. A sample was taken from the inside of the berm for testing. These results will be forwarded to Jim Hughes once available.

Depth to Groundwater (feet BGS) 30 Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest Water Well 1423 None ☐ Surface Water 1869 None ☐

Wetlands _____ None ☒ Springs _____ None ☒

Livestock _____ None ☒Occupied Building _____ None ☒

Additional Spill Details Not Provided Above:

It was previously reported that the facility had been upgraded from a 210 bbl tank to a 400 bbl tank. This used tank had been purchased but was not installed yet due to holes in the purchased tank. This was not communicated to me by the field foreman until after the initial spill report was submitted and I assumed it had been installed. New 400 bbl tanks have a 6 month wait time due to aggressive drilling in the Permian in Texas; therefore, when another acceptable used 400 bbl tank is available and weather permitting, a 400 bbl tank will be installed at the facility with a 110% lined and bermed secondary containment.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/11/2019

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)

The cause of this spill was due to water in the Red Cedar Gathering 16" gas line. Pigging operations were scheduled for the next day; however, increased gas production was sufficient to cause a slug of water to enter the Red Cedar Gathering CDP slug catcher. The slug water is currently tied into the Ellison 33-5 #29-1 210 produced water tank. The previous day had the normal 3 foot of water in the tank, which is historically acceptable. Attached is a detailed facility diagram describing how the CDP slug catcher ties into the Ellison Facility and pictures showing the 30 mil liner for the secondary containment.

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

As stated in the detail portion of this report a 400 bbl will be installed when weather permits. In the meantime, the 210 bbl tank will be emptied more regularly and when static pressure increases at the facility the facility will be monitored more closely. Additionally, pigging operations will be scheduled more frequently.

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:

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

Signed: _____ Print Name: Ryan Clark

Title: Engineer Date: 02/11/2019 Email: ryan@petrox-resources.com

COA Type**Description**

	As stated in the response to FAQ #31, "an operator need not meet a concentration level specified in Table 910-1 if the operator can demonstrate to the COGCC's satisfaction that the Table 910-1 level is exceeded by the background level in the native soils or ground water, as applicable." Background sample results shall be used to demonstrate native soil concentration levels and the operator shall provide a detailed explanation as to why the concentration levels listed in Table 910-1 cannot be met. The operator shall then be required to meet the concentration level determined in the native soil/groundwater.
	During anticipated facility upgrades (tank upgrade) take place, impacted material within the existing bermed area shall be properly disposed of. Final disposition and waste manifests shall be provided to document compliance with Rule 907.b.

Attachment Check List**Att Doc Num****Name**

401935071	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401935077	ANALYTICAL RESULTS
401935575	FORM 19 SUBMITTED

Total Attach: 3 Files

General Comments**User Group****Comment****Comment Date**

Environmental	The operator shall ensure compliance with Rule 605.a.4 when anticipated facility upgrades are implemented.	02/11/2019
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Total: 1 comment(s)