

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:  
402221522  
Date Received:  
10/28/2019  
Spill report taken by:  
Graber, Candice  
(Nikki)  
Spill/Release Point ID:  
468814

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: EXTRACTION OIL & GAS INC Operator No: 10459 Phone Numbers  
Address: 370 17TH STREET SUITE 5300 Phone: (720) 481-2362  
City: DENVER State: CO Zip: 80202 Mobile: ( )  
Contact Person: Blake Ford Email: bford@ExtractionOG.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402214928

Initial Report Date: 10/19/2019 Date of Discovery: 10/18/2019 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNE SEC 30 TWP 5N RNG 66w MERIDIAN 6  
Latitude: 40.375874 Longitude: -104.820293  
Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

Reference Location:

Facility Type: WELL  Facility/Location ID No \_\_\_\_\_  
Spill/Release Point Name: Homyak #1  No Existing Facility or Location ID No.  
Number: \_\_\_\_\_  Well API No. (Only if the reference facility is well) 05-123-11105

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): 0  
Estimated Other E&P Waste Spill Volume(bbl): >=5 and <100 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: Well plugging mud

Land Use:

Current Land Use: CROP LAND Other(Specify): \_\_\_\_\_  
Weather Condition: 50F and partly-cloudy  
Surface Owner: FEE Other(Specify): Private landowner

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):

While circulating mud during plugging and abandonment activities of the wellhead, a valve was left open resulting in a release of approximately 20 barrels of plugging mud around the wellhead and into the adjacent field. Volume of release is preliminary and may be adjusted in subsequent Form submittal. Recovery is being pursued with conventional excavation.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
10/19/2019	Landowner		-	Phone
10/19/2019	Weld County LGD	Jason Maxey	-	Email

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: 10/20/2019

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	0	0	<input type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE			<input checked="" type="checkbox"/>

specify: Well plugging mud

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): 500 Width of Impact (feet): 2

Depth of Impact (feet BGS): 1 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On October 18, 2019, while circulating mud during plugging and abandonment activities of the wellhead, a valve was left open resulting in a release of plugging mud. The plugging mud traveled from the wellhead and into an adjacent field by way of a center-pivot irrigation rut, resulting in a long, but very narrow spill/release footprint. On October 21, 2019, the entire footprint was scraped down one foot below ground surface (bgs) and six soil samples were collected from the spill/release footprint and submitted for laboratory analysis of TPH, BTEX, pH, EC, and SAR. One sample (B01@1) exceeded COGCC allowable limits for benzene. As a result, on October 23, 2019, the area around B01@1 was scraped down an additional six inches bgs, and two samples were collected and submitted for laboratory analysis. Laboratory analytical results indicated that TPH, BTEX, pH, EC, and SAR concentrations and levels were in full compliance with COGCC Table 910-1 allowable levels at the final extent of the spill/release footprint. Approximately 10 cubic yards of impacted soil were excavated and transported to Republic Services Landfill for disposal.

Soil/Geology Description:

Olney fine sandy loam.

Depth to Groundwater (feet BGS) 12 Number Water Wells within 1/2 mile radius: 2  
 If less than 1 mile, distance in feet to nearest Water Well 165 None  Surface Water 525 None   
 Wetlands \_\_\_\_\_ None  Springs \_\_\_\_\_ None   
 Livestock 2540 None  Occupied Building 495 None

Additional Spill Details Not Provided Above:

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 10/25/2019

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)

While circulating mud during plugging and abandonment activities of the wellhead, a valve was left open resulting in a release of plugging mud around the wellhead and into the adjacent field.

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

A checklist is being implemented to ensure proper procedures are followed during plugging and abandonment activities in the future.

Volume of Soil Excavated (cubic yards): 10

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:

This Form 19 Supplemental is being submitted to request closure for the Spill/Release ID (468814) and to include the Corrective Actions summary to the Form 19 Initial report. Results of the remedial investigation activities, including a topographic map, site map, and laboratory analytical results, are provided.

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

Signed: \_\_\_\_\_ Print Name: Maggie Graham

Title: Senior Project Manager Date: 10/28/2019 Email: Maggie.Graham@apexcos.com

**COA Type****Description**

	<p>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.</p> <p>For locations with active ongoing oil and gas operations, comply with Rule 1003 interim reclamation requirements.</p>
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**Attachment Check List****Att Doc Num****Name**

402221522	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402221817	OTHER
402223932	FORM 19 SUBMITTED

Total Attach: 3 Files

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

		Stamp Upon Approval
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Total: 0 comment(s)