

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:

401873411

Date Received:

12/13/2018

Spill report taken by:

Spencer, Stan

Spill/Release Point ID:

459033

## 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>XTO ENERGY INC</u>	Operator No: <u>100264</u>	<b>Phone Numbers</b>
Address: <u>110 W 7TH STREET</u>		Phone: <u>(970) 675-4122</u>
City: <u>FORTH WORTH</u>	State: <u>TX</u> Zip: <u>76102</u>	Mobile: <u>(970) 769-6048</u>
Contact Person: <u>Jessica Dooling</u>		Email: <u>jessica_dooling@xoten ergy.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401835716

Initial Report Date: 11/12/2018 Date of Discovery: 11/10/2018 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSE SEC 1 TWP 1S RNG 98W MERIDIAN 6

Latitude: 39.990700 Longitude: -108.340340

Municipality (if within municipal boundaries): \_\_\_\_\_ County: RIO BLANCO

#### Reference Location:

Facility Type: WELL PAD ☒ Facility/Location ID No 316351

Spill/Release Point Name: \_\_\_\_\_ ☐ 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): >=5 and <100

Estimated Other E&P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: \_\_\_\_\_

#### Land Use:

Current Land Use: NON-CROP LAND

Other(Specify): \_\_\_\_\_

Weather Condition: Clear, ~10F, dry

Surface Owner: FEDERAL

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):

On 11/10/18 ~3:50 pm a produced water release was discovered on the YCF 1-35-1, ~60 BBLs produced water was released (14 BBLs inside lined secondary containment and ~45 outside containment) due to failure of the 3" inlet suction valve to produced water disposal pump. The tank/pipeline were isolated from pump and a water truck removed free standing fluids (~50 bbls produced water recovered). Spill did not leave location.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
11/11/2018	COGCC	Stan Spencer	970-987-28914	
11/11/2018	BLM	Tracy Perfors	970-878-3811	
11/11/2018	Rio Blanco County	Lannie Massey	970-878-9586	

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: 12/13/2018		
<b>FLUIDS</b>	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? 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): 100 Width of Impact (feet): 10

Depth of Impact (feet BGS): 0 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Visual Observation

Soil/Geology Description:

Rentsac channery loam 5-50% slopes

Depth to Groundwater (feet BGS) 200 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest Water Well \_\_\_\_\_ None ☒ Surface Water 2689 None ☐

Wetlands \_\_\_\_\_ None ☒ Springs \_\_\_\_\_ None ☒  
Livestock \_\_\_\_\_ None ☒ Occupied Building \_\_\_\_\_ None ☒

Additional Spill Details Not Provided Above:

Impacted soils were excavated and the bottom of the excavation was sampled for COGCC Table 910-1 compliance, all results were below standards with the exception of EC (5.9), SAR (16) and Arsenic (7.4 mg/kg). See attached Table 1-Data Table and Background Arsenic Sample Location Site Plan. Five representative background Arsenic samples were collected from undisturbed areas adjacent to the location. Concentrations in those samples ranged from 3.7 mg/kg to 7.5 mg/kg. Applying the 10% variability factor to the highest concentration detected results in an allowable Arsenic concentration level of 8.3 mg/kg. Remaining EC and SAR will be addressed during final reclamation. Excavated material will be disposed of at Wray Gulch Landfill, Meeker, CO (manifests available upon request). Backfilling of the excavation will be completed with material meeting COGCC Table 910-1 standards.

## 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:

For review by Stan Spencer.

Impacted soils were excavated and the bottom of the excavation was sampled for COGCC Table 910-1 compliance, all results were below standards with the exception of EC (5.9), SAR (16) and Arsenic (7.4 mg/kg). See attached Table 1-Data Table and Background Arsenic Sample Location Site Plan. Five representative background Arsenic samples were collected from undisturbed areas adjacent to the location. Concentrations in those samples ranged from 3.7 mg/kg to 7.5 mg/kg. Applying the 10% variability factor to the highest concentration detected results in an allowable Arsenic concentration level of 8.3 mg/kg. Remaining EC and SAR will be addressed during final reclamation. Excavated material will be disposed of at Wray Gulch Landfill, Meeker, CO (manifests available upon request). Backfilling of the excavation will be completed with material meeting COGCC Table 910-1 standards.

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

Signed: \_\_\_\_\_ Print Name: Jessica Dooling  
Title: Rockies EHS Supervisor Date: 12/13/2018 Email: jessica\_dooling@xotenergy.com

## COA Type

## Description

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## Attachment Check List

Att Doc Num	Name
401873411	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401873420	ANALYTICAL RESULTS
401873435	SITE MAP
401876472	FORM 19 SUBMITTED

Total Attach: 4 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	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 non-working surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules plus all BLM requirements for Federal surface lands. At the future time of P&A and location closure, complete reclamation per BLM specifications including re-assessment of the working surface for EC, SAR and other Table 910-1 constituents prior to ripping, topsoil placement and seeding.	12/17/2018

Total: 1 comment(s)

**TABLE 1**  
**LABORATORY RESULTS SUMMARY TABLE**  
**YCF 1-35-1**  
**RIO BLANCO COUNTY, COLORADO**  
**XTO ENERGY, INC**

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	FULL 910 Composite	BACKGROUND ARSENIC					Maximum based on Background
				#1	#2	#3	#4	#5	
			18111091	1812060					
Sample Date			1/3/2018	11/29/2018					-
Arsenic	0.39	mg/kg	7.4	3.9	7.5	7.1	4.4	3.7	8.3
Barium	15,000	mg/kg	1,500	NA	NA	NA	NA	NA	-
Cadmium	70	mg/kg	0.068 J	NA	NA	NA	NA	NA	-
Chromium (III)	120,000	mg/kg	63	NA	NA	NA	NA	NA	-
Chromium (VI)	23	mg/kg	0.96 J	NA	NA	NA	NA	NA	-
Copper	3,100	mg/kg	18	NA	NA	NA	NA	NA	-
Lead	400	mg/kg	10	NA	NA	NA	NA	NA	-
Mercury	23	mg/kg	0.084	NA	NA	NA	NA	NA	-
Nickel	1,600	mg/kg	20	NA	NA	NA	NA	NA	-
Selenium	390	mg/kg	0.38 J	NA	NA	NA	NA	NA	-
Silver	390	mg/kg	ND	NA	NA	NA	NA	NA	-
Zinc	23,000	mg/kg	58	NA	NA	NA	NA	NA	-
EC	4.0	mmhos/cm	5.9	NA	NA	NA	NA	NA	-
pH	6 - 9	SU	8.16	NA	NA	NA	NA	NA	-
SAR	12	unitless	16	NA	NA	NA	NA	NA	-
TPH-GRO		mg/kg	ND	NA	NA	NA	NA	NA	-
TPH-DRO		mg/kg	19	NA	NA	NA	NA	NA	-
TPH	500	mg/kg	19	NA	NA	NA	NA	NA	-
Benzene	0.17	mg/kg	ND	NA	NA	NA	NA	NA	-
Toluene	85	mg/kg	ND	NA	NA	NA	NA	NA	-
Ethylbenzene	100	mg/kg	ND	NA	NA	NA	NA	NA	-
Total Xylenes	175	mg/kg	ND	NA	NA	NA	NA	NA	-
Acenaphthene	1000	mg/kg	ND	NA	NA	NA	NA	NA	-
Anthracene	1000	mg/kg	ND	NA	NA	NA	NA	NA	-
Benzo(A)anthracene	0.22	mg/kg	ND	NA	NA	NA	NA	NA	-
Benzo(B)fluoranthene	0.22	mg/kg	ND	NA	NA	NA	NA	NA	-
Benzo(K)fluoranthene	2.2	mg/kg	ND	NA	NA	NA	NA	NA	-
Benzo(A)pyrene	0.022	mg/kg	ND	NA	NA	NA	NA	NA	-
Chrysene	22	mg/kg	ND	NA	NA	NA	NA	NA	-
Dibenzo(A,H)anthracene	0.022	mg/kg	ND	NA	NA	NA	NA	NA	-
Fluoranthene	1000	mg/kg	ND	NA	NA	NA	NA	NA	-
Fluorene	1000	mg/kg	ND	NA	NA	NA	NA	NA	-
Indeno(1,2,3,C,D)pyrene	0.22	mg/kg	ND	NA	NA	NA	NA	NA	-
Naphthalene	23	mg/kg	ND	NA	NA	NA	NA	NA	-
Pyrene	1000	mg/kg	ND	NA	NA	NA	NA	NA	-

**NOTES:**

ND - analyte not detected above the stated reporting limit

**BOLD** - indicates result exceeds the COGCC concentration level

**BOLD** - indicates result is below approved background concentration

COGCC - Colorado Oil and Gas Conservation Commission

EC- electrical conductivity

SAR - sodium adsorption ratio

mmhos/cm - millimhos per centimeter

NA - not analyzed

SU - standard unit

mg/kg - milligrams per kilogram

J - indicates an estimated value





# Yellow Creek Federal 1-35-1 Background Arsenic



Site Plan



Background Arsenic  
Sample Location

