

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

401850579

Date Received:

11/27/2018

Spill report taken by:

FISCHER, ALEX

Spill/Release Point ID:

459154

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>URSA OPERATING COMPANY LLC</u>	Operator No: <u>10447</u>	<b>Phone Numbers</b>
Address: <u>1600 BROADWAY ST STE 2600</u>		Phone: <u>(970) 329-4367</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Mobile: <u>( )</u>
Contact Person: <u>Dwayne Knudson</u>		Email: <u>dknudson@ursaresources.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401845557

Initial Report Date: 11/19/2018 Date of Discovery: 11/16/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESW SEC 8 TWP 7S RNG 91W MERIDIAN 6

Latitude: 39.454503 Longitude: -107.578658

Municipality (if within municipal boundaries): \_\_\_\_\_ County: GARFIELD

Reference Location:

Facility Type: WELL PAD  Facility/Location ID No 335054

Spill/Release Point Name: Castle Spring B  No Existing Facility or Location ID No.

Number: Tank W1  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: 46 bbls

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): \_\_\_\_\_

Weather Condition: Clear, sunny, cool temp (40 def F)

Surface Owner: FEDERAL Other(Specify): BLM

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):

During daily inspections, fluid accumulation was observed within the containment around the production tank. Upon further investigation, it was observed that a hole was present within the W1 production tank. Based on strapping measurements, the estimated volume release is 46 bbls. Further investigation and sampling is to be completed once the tank has been disconnected and removed from service.

List Agencies and Other Parties Notified:

### OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
11/16/2018	BLM	Jim Byers	970-876-9056	Informed Jim Byers and Carmia Wooley
11/16/2018	LEPC	Kirby Wynn	970-625-5905	non-emergency e-mail
11/16/2018	Fire Chief	Chad Harris	970-625-1243	non-emergency e-mail
11/16/2018	Garco Sheriffs	Chris Bornholt	970-945-0453	non-emergency e-mail
11/16/2018	COGCC	Steven Arauza	720-498-5298	verbal and non-emergency e-mail

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: 11/26/2018

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	46	8	<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: 46 bbls

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): \_\_\_\_\_ Width of Impact (feet): \_\_\_\_\_

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

How was extent determined?

Extent of impacts was determined by hand auger sampling, hydroexcavation, and laboratory analysis

Soil/Geology Description:

Clay of low plasticity - CL

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 3100 None

Wetlands \_\_\_\_\_ None

Springs \_\_\_\_\_ None

Livestock \_\_\_\_\_ None

Occupied Building \_\_\_\_\_ None

Additional Spill Details Not Provided Above:

Delineation of the spill area was conducted on November 20th to determine extent of impacts and if soils exceeded COGCC Table 910-1 thresholds. Field screening instrument (PID and PetroFlag) results indicated a hydrocarbon presences at SP 1 (below the W1 tank) on the surface (0-6") with a PID reading of 649 ppm & Petroflag results of 209 mg/kg, as well as at SP 2 at a depth of 1 foot with a PID reading of 278 ppm and a Petroflag result of 224, and SP 3 on the surface (0-6") with PID readings of 330 ppm & Petroflag 190 mg/kg. The remaining SP 4-8 locations indicated a PID reading of 10 ppm or less and therefor those sample points not Petroflagged (refer to the attached site map for sample locations). A confirmation sample was collected from 1ft below ground surface below where the tank was located (SP 1) and analyzed for full COGCC Table 910-1. Additional samples were collected from soils adjacent to where the tank was located and outside containment and submitted as shown in the attached sample location map. Additional samples (SP 2-8) will be analyzed for constituents exceeding within the initial sample (SP 1). Upon receiving the confirmation sample results, remediation options will be proposed to the COGCC via Form 27.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 11/26/2018

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)

A corroded hole developed on the W1 production tank, resulting in 46 bbls of produced water to be released within the steel clay lined containment. Upon discovery, flow to the tank was stopped, a vac trucks utilized to recover 8 bbls within the containment and remove remaining fluids within the tank. The tank has been removed from service and temporary tanks placed on location while remediation of the impacted soils take place.

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

Continue routine inspections and maintenance, replace equipment that has been compromised.

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 forward onto Steven Arauza

Remediation will be outlined in a requested Form 27 as per COA due 12/4/18.

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

Signed: \_\_\_\_\_ Print Name: Kris Rowe

Title: Env. Consultant Date: 11/27/2018 Email: krowe@hrlcomp.com

**COA Type**

**Description**

	Returned eForm 19S to DRAFT for operator to attach topographic map and/or aerial photo, as required by Rule 906.b.
	Submit an eForm 27 Site Investigation and Remediation Workplan to describe delineation and remediation of impacts resulting from this Spill/Release no later than 12/4/2018.

**Attachment Check List**

**Att Doc Num**

**Name**

401851716	SITE MAP
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Total Attach: 1 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)