

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:

401471061

Date Received:

11/29/2017

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

453318

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>EXTRACTION OIL & GAS INC</u> | Operator No: <u>10459</u> | Phone Numbers |
| Address: <u>370 17TH STREET SUITE 5300</u> | | Phone: <u>(720) 4812362</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | | Mobile: <u>()</u> |
| Contact Person: <u>Blake Ford</u> | | Email: <u>bford@extractionOG.com</u> |

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401471061

Initial Report Date: 11/29/2017 Date of Discovery: 11/29/2017 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNW SEC 28 TWP 1N RNG 68W MERIDIAN 6

Latitude: 40.026608 Longitude: -105.014566

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

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 318818
 No Existing Facility or Location ID No.
 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? No

Estimated Total Spill Volume: use same ranges as others for values

| | |
|---|---|
| Estimated Oil Spill Volume(bbl): <u>0</u> | Estimated Condensate Spill Volume(bbl): <u>0</u> |
| Estimated Flow Back Fluid Spill Volume(bbl): <u>0</u> | Estimated Produced Water Spill Volume(bbl): <u>>=1 and <5</u> |
| Estimated Other E&P Waste Spill Volume(bbl): <u>0</u> | Estimated Drilling Fluid Spill Volume(bbl): <u>0</u> |

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): _____
 Weather Condition: 50 degrees F, cloudy, light wind
 Surface 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):

While removing a partially buried produced water vessel, historic suspected soil impacts were observed. Vertical and horizontal definition is being pursued with conventional excavation and clearance samples will be collected from the bottom and sidewalls of the excavation. In accordance with the submitted Form 27 submitted for this project, collected samples were field-screened and submitted for laboratory analysis. Please refer to the Form 27 submitted (COGCC Document #: 401407537 and Remediation #:10717), for further details, topographic and aerial maps.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

| Date | Agency/Party | Contact | Phone | Response |
|------------|--------------|---------|-------|---------------------|
| 11/21/2017 | County | | - | email notification |
| 11/21/2017 | Landowner | | - | verbal notification |

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 11/29/2017

| FLUIDS | BBL's SPILLED | BBL's RECOVERED | Unknown |
|-----------------|---------------|-----------------|-------------------------------------|
| OIL | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| CONDENSATE | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| PRODUCED WATER | | | <input checked="" type="checkbox"/> |
| DRILLING FLUID | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| FLOW BACK FLUID | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| OTHER E&P WASTE | <u>0</u> | <u>0</u> | <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): 20 Width of Impact (feet): 16

Depth of Impact (feet BGS): 3 Depth of Impact (inches BGS): _____

How was extent determined?

The extent of impacts will be determined through conventional excavation confirmed with laboratory analysis of soil collected from the excavation base and sidewalls. If encountered, a groundwater sample will be collected and submitted for laboratory analysis to support site characterization and excavation clearance.

Soil/Geology Description:

Onsite soils are high plasticity silty clay

Depth to Groundwater (feet BGS) 30 Number Water Wells within 1/2 mile radius: 29

If less than 1 mile, distance in feet to nearest

| | | | | | |
|------------|-----------------|--|-------------------|-----------------|--|
| Water Well | <u>462</u> | None <input type="checkbox"/> | Surface Water | <u> </u> | None <input checked="" type="checkbox"/> |
| Wetlands | <u> </u> | None <input checked="" type="checkbox"/> | Springs | <u>1000</u> | None <input type="checkbox"/> |
| Livestock | <u> </u> | None <input checked="" type="checkbox"/> | Occupied Building | <u>620</u> | None <input type="checkbox"/> |

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 11/29/2017

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 removing a partially buried produced water vessel, historical soil impacts were observed in the sidewalls and base of the excavation. It appears that equipment failure in the base or sidewalls of the vessel resulted in a discharge of fluids and soil impacts.

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

The failed partially buried produced water vessel has been removed from the location. The location will be decommissioned and final reclaimed.

Volume of Soil Excavated (cubic yards): 54

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: 10717

OPERATOR COMMENTS:

Laboratory results and site investigation details will be provided in the Supplemental Form 27 submitted to document closure of the assigned remediation project. If no additional information is needed in conjunction with this report, please open and close the incident number assigned to this historic release.

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

Signed: _____ Print Name: Chris Hines

Title: Project Manager Date: 11/29/2017 Email: chris.hines@apexcos.com

| COA Type | Description |
|----------|-------------|
| | |

Attachment Check List

| Att Doc Num | Name |
|-------------|---------------------------|
| 401471061 | SPILL/RELEASE REPORT(I/S) |
| 401471105 | TOPOGRAPHIC MAP |
| 401471106 | SITE MAP |
| 401478047 | FORM 19 SUBMITTED |

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

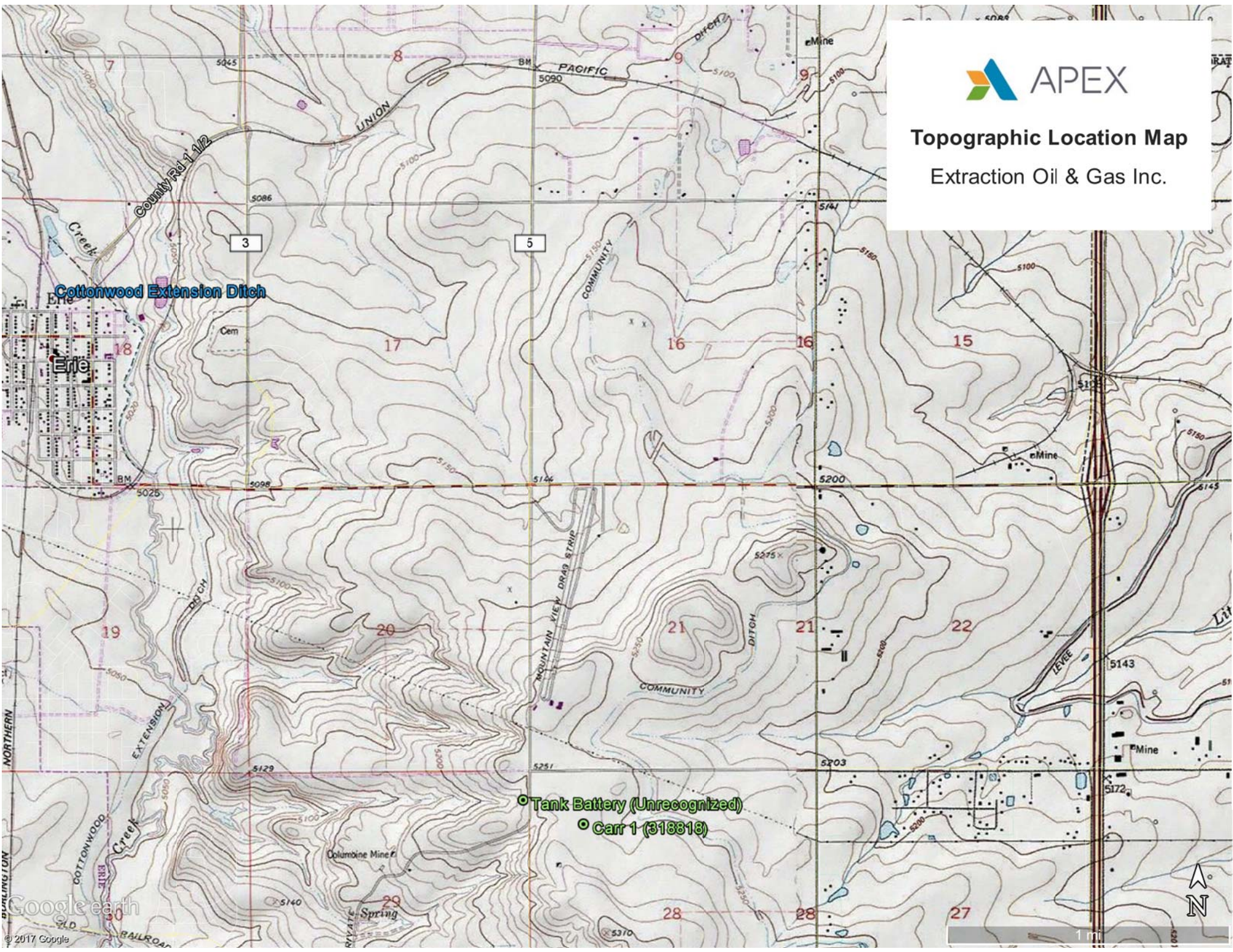
| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|-----------------------|----------------------------|
| | | Stamp Upon Approval |

Total: 0 comment(s)



Topographic Location Map

Extraction Oil & Gas Inc.



Cottonwood Extension Ditch

• Tank Battery (Unrecognized)
• Carr 1 (318818)



1 mi

Extraction Oil & Gas Inc.

Unrecognized Tank Battery associated with
Well Pad: Carr 1 (318818)

Partially Buried Vessel

