

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401433987

Date Received:

11/02/2017

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

452298

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>BAYSWATER EXPLORATION & PRODUCTION LLC</u>	Operator No: <u>10261</u>	Phone Numbers
Address: <u>730 17TH ST STE 500</u>		Phone: <u>(303) 8932503</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80202</u>
Contact Person: <u>Meagan Miller</u>		Mobile: <u>()</u>
		Email: <u>mmiller@bayswater.us</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401411677

Initial Report Date: 09/22/2017 Date of Discovery: 09/22/2017 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 27 TWP 7N RNG 65W MERIDIAN 6Latitude: 40.541333 Longitude: -104.654861Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: FLOWLINE ☐ Facility/Location ID No _____
☒ 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? 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? No

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

Estimated Oil Spill Volume(bbl): >=1 and <5Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): 0Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0Specify: 2-3 bbl oil released from flowline puncture

Land Use:

Current Land Use: CROP LAND Other(Specify): _____Weather Condition: SunnySurface 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 flowline from the Meyring 13-27 has encountered a breach. We are speculating that the rupture in the line was caused by the corn cutting equipment, or may have provided a way to get to surface when it went over the flowline. The flowline was closed on both ends, and has a capacity of 8 bbls in the line. It is estimated that 2-3 bbls was released from the line and traveled down a few of the cord row trenches. Berms are being built on either side of the travel oil, which has now soaked into the shallow surface ground. Booms and absorbent pads will be placed down the corn trenches until line locates can be called in.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
9/22/2017	COGCC	Rick Allison	-	emailed

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 10/26/2017		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	5	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	0	0	<input type="checkbox"/>

specify: Approximately 3-5 bbls released from a flowline with 8bbl capacity

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): 105 Width of Impact (feet): 45

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): _____

How was extent determined?

Two rupture locations were discovered. The second rupture point was on the East side of the Lone Tree Creek, while the first discovered point was on the west side of lone tree creek. NO SURFACE WATER HAS BEEN CONTAMINATED. It was determined that both failure points were cause by the corn cutter driving over the flowline, which was closed at both ends. With the added weight and pressure, the two poorly welded valves on each end of the flowline ruptured. We have removed both points of failed flowline, pressure tested the liner (shown to have good integrity), and have dug out each area. The West dig site is 105'x45'(at widest)x5' (at deepest). The East dig site is 48'x35' (At widest)x 10' (at deepest). Please see the attached maps for reference

Soil/Geology Description:

Nunn Clay Loam, 0-1% slopes

Depth to Groundwater (feet BGS) 4 Number Water Wells within 1/2 mile radius: 15

If less than 1 mile, distance in feet to nearest

Water Well	<u>1047</u>	None <input type="checkbox"/>	Surface Water	<u>685</u>	None <input type="checkbox"/>
Wetlands	_____	None <input checked="" type="checkbox"/>	Springs	_____	None <input checked="" type="checkbox"/>
Livestock	<u>2222</u>	None <input type="checkbox"/>	Occupied Building	<u>827</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

nearest surface water is in between two dig sites, booms and sorbent materials were immediately placed to protect the Lone Tree Creek

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 10/26/2017

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)

The preliminary reported cause of failure as being the farm equipment driving over the line appears to have been incorrect subsequent to the evidence observed by the excavation. The line was buried at least 4 feet below surface, so farm equipment driving on surface should have had no impact on this line. At this point the line appears to have failed within the creek liner due to external corrosion. To date that is the only known line leak as evidenced by the surfacing of produced fluids on both East and West sides of the creek liner. It is believed that the corn cutting equipment merely aided in identifying the leak when it became bogged in the leak area where fluid came to surface. Inspection of the line pulled from inside the liner indicates that the 13-27 line had an insufficient post weld wrapping process done on this section of the line at initial installation. Currently the 13-27 flowline is in the process of being pressure tested. Until flowline integrity testing is complete, it is not definitively known if other corrosion has taken place along the line. What is known is that the line was tested as part of the NTO and held pressure of ~700 psi this past June. It is not believed we are at a point of completely assessing mitigation requirements. If and when integrity testing is complete, the line will be tied back in to the battery and have a known integrity as of that point in time and will be tested annually as required to insure pressure integrity is maintained.

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

We have removed both points of failed flowline, pressure tested the liner (shown to have good integrity), and have dug out each area. The flowlines will be seamed to new flowlines and pressure tested. The East Dig site is ready for sampling, while the West Dig site will continue to be cleaned and monitored throughout the weekend. All further remediation work will be completed under Remediation Document number 401433998.

Volume of Soil Excavated (cubic yards): 1700

Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment

☐ Other (specify) _____

Volume of Impacted Ground Water Removed (bbls): 1050

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: 10604

OPERATOR COMMENTS:

Bayswater will continue this Remediation under a Form 27

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

Signed: _____ Print Name: Meagan M. Miller

Title: Environmental Specialist Date: 11/02/2017 Email: mmiller@bayswater.us

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401433987

SPILL/RELEASE REPORT(SUPPLEMENTAL)

401453975	FORM 19 SUBMITTED
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Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	Revised Form 19 received 11/2/17 with detailed root cause/corrective action	11/09/2017
Environmental	Returned to Draft. Operator is directed to include detailed root cause of the flowline failure. Per inspection #690100117, add specific details to include what measures are being taken to ensure corn cutting equipment will not damage the flowline in the future, and then resubmit the Form 19.	10/26/2017

Total: 2 comment(s)