

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

400834233

Date Received:

05/01/2015

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

441077

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

| | | |
|--|---------------------------|--|
| Name of Operator: <u>EOG RESOURCES INC</u> | Operator No: <u>27742</u> | Phone Numbers |
| Address: <u>600 17TH ST STE 1100N</u> | | Phone: <u>(307) 235-7124</u> |
| City: <u>DENVER</u> | State: <u>CO</u> | Mobile: <u>(307) 251-3728</u> |
| Zip: <u>80202</u> | | Email: <u>steve_bugni@eogresources.com</u> |
| Contact Person: <u>Steve Bugni</u> | | |

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400800646

Initial Report Date: 02/27/2015 Date of Discovery: 02/12/2015 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESE SEC 19 TWP 11N RNG 62W MERIDIAN 6

Latitude: 40.902854 Longitude: -104.355313

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

Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 421221

☐ 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? 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: OTHER

Other(Specify): Oil production - confined to well p

Weather Condition: Sunny, no precipitation

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):

A hole was discovered in a produced water tank. Produced water leaked under the tank, was confined to secondary containment and did not leave the EOG location. Describe immediate response (how stopped, contained & recovered): Immediately isolated and drained the tank. No emergency pits constructed. Extent will be determined by analytical sampling, visually, and olfactory senses. Soils will be sampled for BTEX, pH, EC, SAR, and ESP. Contaminated soils will be removed and disposed. Tank will be repaired and inspected.

List Agencies and Other Parties Notified:

SPILL/RELEASE DETAIL REPORTS

| #1 | Supplemental Report Date: | 05/01/2015 | | |
|-----------------|---------------------------|-----------------|--------------------------|--|
| FLUIDS | BBL's SPILLED | BBL's RECOVERED | Unknown | |
| OIL | 0 | 0 | <input type="checkbox"/> | |
| CONDENSATE | 0 | 0 | <input type="checkbox"/> | |
| PRODUCED WATER | 20 | 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: _____

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): 20

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

How was extent determined?

Analytical soil samples were collected. See attached diagram for sample locations. Samples 1, 2, 3, and 4 were located in the top 6 inches of soil on the outer edge of the produced water tank. Sample ID 1-4 GC 12-19H is a composite of 1-4. Sample ID 1-A GC 12-19H is from location 1. Sample ID 4-A GC 12-19H is from location 4. Sample 5 was taken 15 feet south of the PW tank outside the berm. Sample 6 was taken 30 feet south of Sample 5. Sample 7 was taken inside the berm 20 feet to the south west of the PW tank. Sample 8 was taken inside the berm to the north of the PW tank. Composite samples 1-4 had a sodium concentration of 143 meq/L, sodium adsorption ratio (SAR) of 102, and non-detect gas range organics (GRO) and diesel range organics (DRO). Samples 5 and 6 located outside secondary containment both had SARs less than 4 and non-detect BTEX.

Soil/Geology Description:

Gravel on top of native soils. Native soils are silts/clays.

Depth to Groundwater (feet BGS) 35 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

| | | | | | |
|------------|-----------------|--|-------------------|-----------------|--|
| Water Well | <u> </u> | None <input checked="" type="checkbox"/> | Surface Water | <u> </u> | None <input checked="" type="checkbox"/> |
| Wetlands | <u> </u> | None <input checked="" type="checkbox"/> | Springs | <u> </u> | None <input checked="" type="checkbox"/> |
| Livestock | <u> </u> | None <input checked="" type="checkbox"/> | Occupied Building | <u>1300</u> | None <input type="checkbox"/> |

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/01/2015

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 hole developed in the bottom of the produced water tank due to normal wear and tear, releasing 20 bbls produced water into secondary containment. Analytical results (attached) show the produced water leak did not migrate outside secondary containment. Due to the leak being contained within secondary containment and primarily under the PW tank, EOG Resources, Inc. is proposing no further corrective actions.

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

The tank was immediately drained and isolated. The tank bottom will be inspected and repaired before it is put back into operation.

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:

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

Signed: _____ Print Name: Steve Bugni

Title: Environmental Tech Date: 05/01/2015 Email: steve_bugni@eogresources.com

| COA Type | Description |
|----------|---|
| | Soil sample analytical results indicate that impacts to soil are limited to SAR within the secondary containment at the facility. Results for TPH-GRO and TPH-DRO indicate that soil at the location complies with Table 910-1 Concentration Levels for TPH. Since the soil with SAR greater than the Table 910-1 allowable level is limited to the area around the production tanks, COGCC will approve the closure request at this time. However, the site must comply with Rule 1003 and 1004 for interim and final reclamation. SAR must be addressed to ensure successful final reclamation of the location. In addition, should future conditions at the site indicate contaminant concentrations in soil exceeding COGCC standards or if ground water is found to be significantly impacted, then further investigation and/or remediation activities may be required at the site. |

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------|
| 400834233 | FORM 19 SUBMITTED |
| 400834277 | ANALYTICAL RESULTS |
| 400834280 | ANALYTICAL RESULTS |
| 400834286 | SITE MAP |
| 400834287 | AERIAL PHOTOGRAPH |
| 400834288 | AERIAL PHOTOGRAPH |
| 400834289 | AERIAL PHOTOGRAPH |

Total Attach: 7 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
| | | |

Total: 0 comment(s)