

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401045377

Date Received:

05/11/2016

Spill report taken by:

Hughes, Jim

Spill/Release Point ID:

445606

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: BP AMERICA PRODUCTION COMPANY Operator No: 10000 Address: 380 AIRPORT RD City: DURANGO State: CO Zip: 81303 Contact Person: Andrew Hawk Phone Numbers: (970) 375-7590 (970) 394-0253 andrew.hawk@bp.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401034953

Initial Report Date: 04/25/2016 Date of Discovery: 04/22/2016 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSE SEC 13 TWP 32N RNG 6W MERIDIAN N

Latitude: 37.015027 Longitude: -107.449557

Municipality (if within municipal boundaries): NA County: ARCHULETA

Reference Location:

Facility Type: WATER GATHERING SYSTEM/LINE Facility/Location ID No 419311

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? 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: Approximately 30 barrels of CBM produced water.

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): Dry land grazing

Weather Condition: Breezy, 71 deg.

Surface Owner: FEE Other(Specify): Chester Lyman

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):

The Perino Water Transfer station is a stand alone water transfer station consisting of storage tanks and booster pumps. The location operator discovered a leak from a 1/4" nipple on a pressure transducer. The nipple had broken and was releasing water into the containment berm around the tanks. Cattle on the location had tamped the berm allowing the water to release from the berm. The release was confined to the location but did breach the berm. A vacuum truck was dispatched to the location and recovered approximately 30 barrels of water. Some water did saturate location soils and was not recoverable. The containment berm was reconstructed on April 23-24 and cattle panels have now been installed around the tank and berm to stop the cattle from damaging the berm.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
4/22/2016	COGCC	Jim Hughes	970-903-4072	Left message with release details
4/25/2016	Archuleta Co.	John Shepard	970-264-1390	Left message asking for a call back
4/25/2016	COGCC	Mark Morton	720-415-4959	Left message, looking for Archuleta LGD
4/25/2016	Landowner	Chester Lyman	-	BP Land department called with details

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 05/11/2016

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	<u>33</u>	<u>30</u>	<input 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? 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): 30 Width of Impact (feet): 20

Depth of Impact (feet BGS): _____ Depth of Impact (inches BGS): 6

How was extent determined?

The majority of the release was contained within the existing berm. The release did breach the berm around the pipe riser and traveled approximately 40 feet to the north. The area of impact outside of the berm was much smaller than the affected area within the berm. Soils both inside and outside the berm were saturated to a depth of approximately 6". The extent was determined by measurement of the affected areas.

Soil/Geology Description:

The affected area within the berm is gravel over a clay rich soil. The affected area outside of the berm is a clay rich soil with very limited vegetation. The location slopes gently from the south to the north.

Depth to Groundwater (feet BGS) 50 Number Water Wells within 1/2 mile radius: 5

If less than 1 mile, distance in feet to nearest

Water Well	<u>1950</u>	None <input type="checkbox"/>	Surface Water	_____	None <input checked="" type="checkbox"/>
Wetlands	_____	None <input checked="" type="checkbox"/>	Springs	_____	None <input checked="" type="checkbox"/>
Livestock	<u>5</u>	None <input type="checkbox"/>	Occupied Building	<u>1500</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Depth to groundwater is difficult to assess. There are very few water wells within a 1/4 mile that are reporting static water levels. There were livestock on the location at the time of the release. Approximately 30 barrels of the 33 barrels released were recovered by a vacuum truck.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/11/2016

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 1/4" stainless steel nipple on a pressure transducer located on a pipe riser failed, causing the release of produced water. The nipple was replaced with a new nipple prior to being placed back into service.

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

The berm around the pipe riser was rebuilt and repaired and stock fencing was constructed around the entire riser assembly to limit access to the riser from nearby livestock. Soil sampled taken within affected area indicate elevated SAR and sodium levels. The soils are also very low in magnesium. BP proposes to add gypsum to the affected area and will then rake the gypsum in rather than removing the soils. Gypsum addition should increase soil calcium levels and lower overall soil SAR values.

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: Andrew Hawk

Title: Environmental Coord Date: 05/11/2016 Email: andrew.hawk@bp.com

COA Type

Description

COA Type	Description

Attachment Check List

Att Doc Num	Name
401045412	ANALYTICAL RESULTS
401045413	ANALYTICAL RESULTS
401045415	SITE MAP

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

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

Total: 0 comment(s)