

Oil Field Environmental Incident Summary

Incident: 20180514172305 **Notice:** 5/14/2018 17:23 **Occurred:** 5/14/2018 09:00

Responsible Party: SAMSON OIL AND GAS USA, INC

Well Operator: SAMSON OIL AND GAS USA, INC

Well Name: MURPHY 1-1H

Field Name: FOREMAN BUTTE

Well File #: 15718

Facility ID #:

County: MCKENZIE

Twp Rng Sec Qtr: 149 102 1

Location Description: Spill occurred on well site.

Submitted By: Glenn Sellers

Received By:

Contact Info: Mark Ulmer
1331 17TH ST., SUITE 710
DENVER CO 80202

Affected Medium: Well/Facility Soil

General Land Use: Well/Facility Site

Near. Occupied Bldg:

Nearest Water Well:

Type of Incident: Tank Overflow

Release Contained: Yes - On Constructed Well Site

Reported to NRC: Yes

	Spilled	Units	Recovered	Units	Followup	Units
Oil						
Brine						
Other	35	Barrels				

Oth Rel. Contaminant: Fluid released was almost entirely fresh water. A small amount of biocide, scale inhibitor or chemical used for fresh water treatment also possible.

Date Inspected:

Clean Up Concluded:

Written Report Recd:

Risk Evaluation:

There is no risk to person or property due to the nature of the fluid spilled.

Areal Extent:

The well site and a very small area in the surrounding field.

Potential Env. Impacts:

The fluid spilled was comprised almost entirely of fresh water, so there are no adverse environmental impacts possible. The surface owner even uses fresh water from the aforementioned tank for ranching activities.

Action Taken/Planned:

This was almost entirely fresh water, so no major cleanup will be required. The cause of this spill, the fault valve, will be inspected and replaced if necessary. Operations will be on site tomorrow to locate any chemicals that spilled along with the fresh water.

Wastes Disposal Location:

The fresh water that was spilled will not be recovered, while any chemical that spilled will be isolated

and disposed of in an appropriate manner, per the judgment of operations and based on how much volume there is.

Other Agencies Involved:

Updates

Date: 5/15/2018 **Status:** Reviewed - Follow-up Required **No Further Action:**

Author: O'Gorman, Brian

Notes:

Release, due to a tank overflow, was not contained according to the report. Further follow-up needed.

Updated Volumes and Contaminant None at the time of this update

Date: 5/21/2018 **Status:** Inspection **No Further Action:**

Author: Schiermeister, Robin

Notes:

Arrived on site at 16:57 on 5-14-2018. It was sunny with temperatures in the 70's. The release occurred at the tank in the middle of the well pad. The release was mostly fresh water, with what also appeared to be some dark contamination that has sunk to the bottom. There also appeared to be a sheen on the water. Release mostly remained on the well pad, except for a 4 foot by 2 foot wide area east of the pad. Probed the contaminated area located off the pad, which had readings of around 948 microsiemens. Background was around 296 microsiemens. Took Quantab chloride readings which are shown below of the standing water on pad.

Low: 226 ppm

High: Too low to read

Took a soil sample of the soil located off site at 47.760286, -103.687577. Also took a water sample of the standing water. Called the responsible party's contact who said that a foreman visited the site and did not notice any oil, but would resend him to check out the dark material in the water. Further follow-up is needed.

Updated Volumes and Contaminant None at the time of this update

Date: 5/21/2018 **Status:** Correspondence **No Further Action:**

Author: Schiermeister, Robin

Notes:

Talked to the party representative on 5-15-2018 about the dark material in the water. He said that it was actually an iron chelation agent. Further follow-up is needed.

Updated Volumes and Contaminant None at the time of this update

Date: 6/5/2018 **Status:** Inspection **No Further Action:**

Author: Schiermeister, Robin

Notes:

Arrived on site at 16:50 on 5-31-2018. It was cloudy with temperatures in the 60s. The iron agent is still on the well pad; however, does not seem to be causing any effect. Vegetation around the well pad appears healthy and actively growing. No further follow-up is necessary. No photos taken.

Updated Volumes and Contaminant None at the time of this update

Date: 10/7/2019

Status: Correspondence - No Action Required

No Further Action:

Author: Schiermeister, Robin

Notes:

Received sample results on 10-6-2019 and chlorides (240 ppm) are below NDDEQ standards of 250 ppm. No follow up is required. Results are in the incident folder.

Updated Volumes and Contaminant None at the time of this update