

Environmental

Spills/Releases:

Type of Spill: DRILLING FLUIDS

Estimated Spill Volume: _____

Comment: Inspection SpillID 447807 9/16/16. Approximately 85 bbls of suspected drilling mud was discovered to have flowed to surface through the surface casing valve of the RWF414-4 well. The exact cause of why the mud came to surface is currently under investigation. A workover rig was set on the well on 9/15/16 to diagnose cause, and make repairs as needed. A vac truck was used to recover approximately 70 bbls of mud from the pad. The remaining 15 bbls flowed off location for a distance of approximately 80 yards. Mudflow was W/NW across grass pasture to edge of gully embankment. Sorbent boom placed at edge of flow. No visible flow over embankment to drainage. Impacted soil stockpile on pad and no staining or odor off location. Meet with Justin Skall, (TEP rep). Workover rig is setting plug to determine cause of leak.

Corrective Action: Assess nature and extent of contamination with confirmation soil samples. Remediate to Table 910-1 standards and provide documentation in a either a Supplemental F-19 if cleaned up immediately or F-27 if extended remediation is required. Manage all waste per COGCC 900 Rules. Provide any information that operator has available concerning wellbore integrity analysis, pressure testing, and any data concerning the root causes of the spill. Provide all engineering data to COGCC NW Engineering Supervisor, Dave Andrews at david.andrews@state.co.us and Craig Burger at craig.burger@state.co.us or 970-625-2497.

Date: 10/28/2016

Reportable: _____ GPS: Lat _____ Long _____

Proximity to Surface Water: _____ Depth to Ground Water: _____

Water Well:

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ Lat _____ Long _____

Field Parameters:

Sample Location: _____ Comment: _____

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
674300773	Looking S from end of mudflow	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4014491
674300774	Looking W, stockpiled soil and workover rig	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4014492