

# Oil Field Environmental Incident Summary

**Incident:** 20141202125121      **Date/Time of Notice:** 12/02/2014 12:51

**Responsible Party:** Clayton

**Well Operator:** NORTH PLAINS ENERGY, LLC

**Well Name:** SMOKY BUTTE 2 SWD

**Field Name:** WILDCAT

**Well File #:** 10842

**Date Incident:** 12/2/2014      **Time Incident:** 02:00

**Facility ID Number:**

**County:** DIVIDE

**Twp:** 160      **Rng:** 100      **Sec:** 4      **Qtr:** NW NW

**Location Description:** SWD facility location at the intersection of Hwy 85 and 90th Street NW

**Submitted By:** Clayton Miller

**Received By:**

**Contact Person:** Clayton Miller  
1888 SHERMAN ST STE 375  
DENVER, CO 80203

**General Land Use:** Well/Facility Site

**Affected Medium:** Topsoil

**Distance Nearest Occupied Building:** 1 Mile

**Distance Nearest Water Well:**

**Type of Incident:** Valve/Piping Connection Leak

**Release Contained in Dike:** No

**Reported to NRC:** No

	<b>Spilled</b>	<b>Units</b>	<b>Recovered</b>	<b>Units</b>	<b>Followup</b>	<b>Units</b>
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**Oil**

<b>Brine</b>	<b>10</b>	<b>Barrels</b>				
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**Other**

**Description of Other Released Contaminant:**

**Inspected:**

**Written Report Received:**

**Clean Up Concluded:**

**Risk Evaluation:**

No immediate risk has been identified

**Areal Extent:**

The estimated area of offsite impact is 40 ft x 12 ft (480 square feet)

**Potential Environmental Impacts:**

The ground is frozen and the brine water mixed with snow and ice. It is expected that a couple of inches of top soil will be removed along with the brine, snow and ice.

**Action Taken or Planned:**

The incident was stopped by activating the emergency shut down system for the injection facility. The pulsation dampener will be serviced or replaced. The mixture of brine water, snow and ice will be collected along with any contaminated gravel on the well pad and any contaminated topsoil from the off site area. Fresh gravel and topsoil will be applied during restoration if any is needed. NDIC field inspectors Mark Binns and Dan Wells were verbally notified on 12/02/14.

**Wastes Disposal Location:** Contaminated materials will be disposed of at the Secure Energy Services 13-mile Landfill

**Agencies Involved:**

**Updates**

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**Date:** 12/2/2014    **Status:** Reviewed - Follow-up Required

**Author:** Roberts, Kris

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Release, due to an on-location valve/piping leak at this SWD, flowed off location according to the report. Followup is necessary.

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**Date:** 12/3/2014    **Status:** Inspection

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

12/3/2014 at 16:05, on location. Bermed pile of dirt in SW corner of wellpad. SWD tanks and muddy ground are along east side of wellpad. Perimeter ditch for wellpad's eastern edge is also muddy and still has liquid water in it despite outside temperature being 16 degrees Fahrenheit. No off-site impacts visible along eastern edge until the very northeast corner, where it appears the ditch failed. It has been reconstructed with fresh dirt. ~15 ft due north of the presumed failure point to ~50 ft due east has been scraped, all off site. Still appears muddy in scraped area. Call in to report contact about cleanup and sampling; awaiting callback.

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**Date:** 12/4/2014    **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Phone call with report contact who will be reviewing site next week. Sampling will be conducted on impacted soil as well as background. Fluids in perimeter ditch will be removed, along with impacted well site scoria/dirt and off-site impacted ground, to avoid salt leaching off the the pad in the future.

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**Date:** 3/6/2015    **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Discussed cleanup progress at site with report contact. Once ground is thawed, sampling will be conducted in the affected area. Additionally, disposal manifests were supplied for the stockpiled soil that was removed and disposed of at 13 Mile Disposal.

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**Date:** 6/9/2015    **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Received progress report from responsible party and requested that responsible party send sampling plan to Department.

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**Date:** 12/10/2015 **Status:** Awaiting Documentation

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Received sample results for the site. Based on the sampling, some impact still remains off site. Due to the small amount of impact, a calcium amendment is being applied, and the site will be resampled in the spring to monitor attenuation.

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**Date:** 12/14/2015 **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Responsible party is working with landowner due to the plan for salt-sensitive crops being planted in the affected area.