

# Oil Field Environmental Incident Summary

**Incident:** 20140606093918      **Date/Time of Notice:** 06/06/2014 09:39

**Responsible Party:** DENBURY ONSHORE, LLC

**Well Operator:** DENBURY ONSHORE, LLC

**Well Name:** Haugen B CTB

**Field Name:** WILEY

**Well File #:**

**Date Incident:** 6/6/2014      **Time Incident:** 06:45      **Facility ID Number:** 401790-14

**County:** BOTTINEAU      **Twp:** 161      **Rng:** 82      **Sec:** 25      **Qtr:** NE NW

**Location Description:** Majority of released fluid remained on location with approximately 80 bbls off location around battery. Edge of wetland.

**Submitted By:** Josh Cuppy

**Received By:**

**Contact Person:** Rick Larson  
5320 LEGACY DR  
PLANO, TX 75024-3127

**General Land Use:** Other - Described Above

**Affected Medium:** Topsoil

**Distance Nearest Occupied Building:** 1 Mile

**Distance Nearest Water Well:** 1 Mile

**Type of Incident:** Pump 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>
<b>Oil</b>						
<b>Brine</b>	700	barrels			700	barrels
<b>Other</b>						

**Description of Other Released Contaminant:**

None

**Inspected:**

**Written Report Received:** 2/17/2016

**Clean Up Concluded:** 9/30/2014

**Risk Evaluation:**

None

**Areal Extent:**

Top of containment dike washed out allowing for release of approximately 80 bbls off site.

**Potential Environmental Impacts:**

Upon recovery none.

**Action Taken or Planned:**

Shut in associated wells and isolated the pump. Containment dike is being built around off site fluid to prevent further spread. Impacted areas will be recovered and then flushed with freshwater and recovered.

Scott Landers verbally notified at 8:25.

**Wastes Disposal Location:** Back into injection system.

**Agencies Involved:**

**Updates**

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**Date:** 6/6/2014     **Status:** Inspection

**Author:** Roberts, Kris

**Updated Oil Volume:**

**Updated Salt Water Volume:**                    1000.00 barrels

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

6/6/14 - 11:30 on location. Met with company contact. Revised volume of release is 800-1000 barrels, with 700 recovered, 80-100 bbls breaching dike, and approximately 100 bbls still to be recovered inside the dike.

Area where breaching water was somewhat contained is over an apparent old evaporation pit. Hasty berm has been pushed up around the edge of the old pit area (completely barren). Area borders an active wetland, which may be an unnamed stream, possibly intermittent.

Water specific conductivity at the edge of the wetland is 16+ mS/cm, and chloride by titration strip is 4250+ mg/L. Brine remaining inside the containment area is 321 mS/cm (no chloride screen taken). Soil in barren area between pad and wetland measured 26+ mS/cm, and apparent background varies from 1.5 to 2.3 mS/cm in grassed areas adjacent to the NE side of the location.

Two water samples were collected: WQKR2014060601 from the wetland to the east of the pad and WQKR2014060602 from the produced water tanks.

This is an old site, and previous ownership has been remediating the wetland in the recent past.

More work is needed, including a workplan for dealing with the old evaporation pit and wetland impact.

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**Date:** 6/6/2014     **Status:** Reviewed - Follow-up Required

**Author:** O'Gorman, Brian

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

The spill report did not indicate amount or type of release; however, they reported recovering 700 barrels of brine water. Report also states that the release was not contained. Followup required to determine extent and volume of impact.

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**Date:** 8/20/2014    **Status:** Inspection

**Author:** Roberts, Kris

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

8/20/14 on location with trainee. Water in the berm constructed at the time of the release measures 48 mS/cm. Previous verbal request for workplan to Denbury will be reinforced.

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**Date:** 9/24/2014    **Status:** Inspection

**Author:** Roberts, Kris

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

9/24/14 on location. No changes since last inspection. Verbal and email requests for sampling and remedial workplan sent to Denbury environmental contact.

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**Date:** 4/14/2016    **Status:** Inspection

**Author:** Suess, Bill

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

NDDoH inspectors visited the site on 4/12/16. There is still a large barren area east of the pad. Collected a surface water sample from the slough approximately 250 feet east of the pad. Conductivity reading at the site ranged from 5 millimhos per centimeter (mmhos/cm), as far as 12 feet into the grasses at the edge of the barren area, to 35 mmhos/cm within the barren area. Conductivity probes indicated impacts are still present 18 inches below surface. More follow-up is needed.

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

7/25/2016 at 15:42, on location. Checking on remediation progress. "Hasty berm" constructed during initial response still visible, although it is essentially inoperable due to erosion. Site was mostly dry at time of inspection; however, some small puddles and muddy areas are visible. No noticeable vegetative regrowth. White flagging has been placed throughout the site, but no other apparent work visible.