

Oil Field Environmental Incident Summary

Incident: 20161018165846 **Date/Time of Notice:** 10/18/2016 16:58

Responsible Party: 1804 Operating, LLC

Well Operator: FLADELAND 1 SWD LLC

Well Name: FLADELAND SWD 1

Field Name: SANISH

Well File #: 90196

Date Incident: 10/18/2016 **Time Incident:** 02:00

Facility ID Number:

County: MOUNTRAIL

Twp: 153

Rng: 91

Sec: 26

Qtr: SW SW

Location Description: On location, but a small amount of the volume leaked off the location and down a coulee immediately to the north of the tank battery and pump house.

Submitted By: Nate Brown

Received By:

Contact Person: Nate Brown
5910 N CENTRAL EXPRESSWAY
SUITE 630
DALLAS, TX 75206-5125

General Land Use: Pasture

Affected Medium: Topsoil

Distance Nearest Occupied Building: 20 Feet

Distance Nearest Water Well: 100 Feet

Type of Incident: Equipment Failure

Release Contained in Dike: No

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
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Oil

Brine	150	Barrels	130	Barrels		
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Other

Description of Other Released Contaminant:

Inspected:

Written Report Received:

Clean Up Concluded:

Risk Evaluation:

None

Areal Extent:

Spill affected approximately 1/2 acre of topsoil in the bottom of the coulee/draw.

Potential Environmental Impacts:

Affected topsoil may show prohibited vegetative growth if not removed and replaced.

Action Taken or Planned:

Shut down pump immediately upon discovery. Immediately deployed vac trucks and hydrovac trucks to the location to remove contaminated water and soil. Soil testing and identification of affected area performed immediately. Will continue to monitor and remove/replace all affected topsoil and aggregate.

Wastes Disposal Location: Secure Energy; Hwy.8

Agencies Involved:

Updates

Date: 10/19/2016 **Status:** Inspection

Author: Souder, Taylor

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location at 1030. Cleanup efforts visible on well pad. The pad has been scraped. NDIC and 1804 Operating arrived on scene at about 1100. According to 1804 Operating, the release was due to human error and a broken valve. On the evening of October 18, a valve broke in the pump house. The release filled up the pump house and leaked all over the pad. The release traveled to the north of the pad and off the pad near a rubber culvert made for rainwater drainage. There was no berm on this pad when the release occurred. The release then traveled west along the pad and down the drainage to the farmer's field. The release made it 2/3 way across the farmer's cultivated field. The release is 8 feet wide at its beginning, running along the pad to the west and then spreads out to 40 feet wide in the farmer's field. Quantab and electrical conductivity (EC) readings were taken throughout this release area and can be found in the report folder. Stealth Environmental put an earth dike in place to hold back some standing brine water.

There is also another exit point off of the pad on the west side near the access road. That travels north along the pad. Background EC levels were taken at about 500 microsiemens per liter (uS/L). EC readings at the westward location were as high as 17 millisiemens per liter (mS/L). A quantab was used here, and it read 3094 parts per million (ppm) chloride. This spot was impacted by brine water.

Stealth Environmental has spoken with me about remediation. Emails can be found in report folder.

Date: 10/19/2016 **Status:** Reviewed - Immediate Inspection Required

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

According to the report, an unidentified amount of brine impacted soils north of the well pad site. Field inspector Taylor Souder has been to the location for an inspection. More follow-up needed.

Date: 11/21/2016 **Status:** Inspection

Author: Washek, Sandi

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on site at 2:38 p.m. Weather was overcast with wind out of the NE at 15 mph, and temperature was 37 degrees F. The area of impact is located NW of the SWD pad. The soil in the field to the NW, in an intermittent, grassed waterway, has been scraped down about 1-2 feet deep by about 125 feet long. The scraped area went from the oil pad to the middle of the field. Near Hwy 1806 there is a puddle of frozen water in the cattails, but the soil removal did not extend to it. Will need to check with the company for confirmation samples of the soils and water. Additional follow-up needed for site.