

Oil Field Environmental Incident Summary

Incident: 20140725105423 **Date/Time of Notice:** 07/25/2014 10:54

Responsible Party: STATOIL OIL & GAS LP

Well Operator: STATOIL OIL & GAS LP

Well Name: MARGARET 5-8 1H

Field Name: SPRING CREEK

Well File #: 21282

Date Incident: 7/24/2014 **Time Incident:** 16:30

Facility ID Number:

County: MCKENZIE

Twp: 150 **Rng:** 100 **Sec:** 5 **Qtr:**

Location Description: Approx. 700 feet to the North of the Margaret #1 location near a pipeline riser.
SW/4 of Sec 32 - 151N - 100W McKenzie County.

Submitted By: Jake Way

Received By:

Contact Person: Jake Way
6300 BRIDGE POINT PKY, BLDG 2
SUITE 500
AUSTIN, TX 78730

General Land Use: Pasture

Affected Medium: Topsoil

Distance Nearest Occupied Building: 1 Mile

Distance Nearest Water Well: 1 Mile

Type of Incident: Pipeline Leak

Release Contained in Dike: No

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
Oil						
Brine	75	Barrels			75	barrels
Other						

Description of Other Released Contaminant:

Inspected:

Written Report Received: 9/1/2016

Clean Up Concluded: 9/1/2015

Risk Evaluation:

None

Areal Extent:

Approx. 8400 square feet.

Potential Environmental Impacts:

Contamination of top soil in immediate area with a slight potential of affects to area around/nearby surface water.

Action Taken or Planned:

Leak will be investigated and repaired. Pipeline flyovers will continue on a weekly basis. Additional control measures will be assessed.

Wastes Disposal Location: Indian Hills

Agencies Involved: Dept. of Health

Updates

Date: 7/24/2014 **Status:** Reviewed - Follow-up Required

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

7/24/14 - 21:45 Roberts was notified by telephone of the incident. The leak apparently started at a lateral T, feeding the line from a Margaret well. The impact area is an estimated 8,500 square feet and threatening an oxbow of Timber Creek. The leak was discovered by third party during the afternoon of 7/24, which notified the company. The company confirmed the leak and shut down the line at approximately 17:30. The company proceeded to assess and bring in contractors to contain the area where there was still an estimated 5-10 barrels of liquid on the surface. The lateral extent was reported as 2 fingers, one 330 X 18 feet and another 60 X 10 feet. It appeared that some amount may have entered the oxbow. Followup is indicated, and NDDoH inspector assigned that area was contacted at 22:00 and asked to inspect early on 7/25.

Location given as:
47.84965 N
-103.51375 W

Date: 7/25/2014 **Status:** Inspection

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

The weather was 55 °F, clear, with wind five miles a hour from the southeast. I meet company personnel leaving the site, he indicated that the system was shut down and will be getting a cleanup crew to the site shortly to do more assessment. The pipeline goes east and west, with another line coming into the south side of valve system. The creek is located to the north of valve system. The creek flows east form the area then south about a quarter mile to east of site. Can see the vegetation along the pipeline has turned brown along the pipeline right of way for a couple hundred feet. The pipeline is located in a pasture, does not appear to have been pastured and no animals located in the pasture. More follow-up will be done next week with the site to check on cleanup progress.
47.849650; -103.513750

Date: 7/28/2014 **Status:** Inspection

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location T 21:00 7/28/14.

Spill surfaced at pipeline inspection gauge and ran along pipeline right of way, with a small amount running down to an oxbow of Timber Creek. There is no visible sign of impact to the creek other than a chloride test strip reading 500 ppm on a quantlab chloride test strip. The Company is currently in the delineation and sampling process. The Company has been advised to leave the creek alone until they properly sample the extent of the creek. Timber Creek upstream of the point of impact had chloride readings below the detection limit. A water sample was collected at the point of impact and upstream of the spill to gather a background sample.

At the time of the inspection the company had hired an environmental consultant and they had removed 120 loads of impacted soil. The company is working with the landowner and the US Fish & Wildlife Service (USFWS) has been contacted by the company.

More follow up is necessary to ensure cleanup.

Date: 7/30/2014 **Status:** Inspection

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location at 9:00 7/30/14.

The company has begun delineation and sampling. At the time of inspection the creek has yet to show signs of impact to the local flora and fauna.

More follow up is necessary to ensure cleanup.

Date: 8/7/2014 **Status:** Inspection

Author: Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

8/7/2014 at 13:49, on location. Met with ONEOK and Statoil personnel. During delineation of site, ONEOK pipeline hit by sampler (see incident # 20140730191115). Progress on excavation of salt water impact is awaiting results of sampling; results should be in Monday. No further progress on excavations made since last inspection; however, personnel are monitoring site, flora, and fauna in area.

Date: 5/19/2015 **Status:** Inspection

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location at 14:00. 56 degrees F, sunny, east wind 10-15 mph. Parked the vehicle at the northern fence line and walked the area disturbed by equipment. Observed the vegetation near the creek and documented with photos. The areas that had been disturbed with equipment (trails, excavation) were landscaped and showed bare soil with no vegetation growing. Some vegetation was noted along the north-facing slope where hay had been used for erosion control. It did not appear that any vegetation not disturbed from heavy equipment was stressed or dead, and living aquatic life was identified in the creek. Further followup should be provided to document revegetation of disturbed soils and observe areas that might have been missed by inspector who was not familiar with the initial release specifics.

Date: 6/24/2015 **Status:** Inspection

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

I arrived on location at 11:22 a.m. The weather was 65 degrees F, sunny, south wind 10-15 mph. The areas that had been disturbed with equipment are still bare, with no vegetation growing. The vegetation is growing on the side slope facing the creek; there is a small area on the west end of distributed side slope that was not as vegetated. The top area between above ground pipes and sumps is still bare. The pipeline right of way next to this area is also not growing very well; this does still have a straw cover. Some vegetation was noted along the north-facing slope where hay had been used for erosion control. More follow-up needed.

Date: 9/1/2015 **Status:** Inspection

Author: Washek, Sandi

Updated Oil Volume:

Updated Salt Water Volume: 75.00 barrels

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on site 7:59 a.m. Weather was clear and sunny, 57 degrees with light wind from the west. Talked with the landowner and was informed the company's land man was on site the day before. He also mentioned that a truck came by to remove water from the tank located out in the impacted pasture area. The company has also removed the dumpsters from the site. Landowner wants to know when the tank and risers can be removed. He also requested to receive sample results for the site. Landowner informed NDDoH inspector that he told the company land man the weeds on site need to be mowed and the area reseeded next spring.

I walked the impacted site and noted the following items. The pasture has a number of risers and one water tank located in it. In addition, the areas disturbed by the equipment (trails and excavation area) have bare spots. What is not bare has weeds growing in the disturbed areas. ONEOK came through and installed a pipeline earlier in the year. The area ONEOK disturbed is level and covered with straw and growing a nice cover crop on it. The area outside of the disturbed area has good vegetative coverage and does not appear stressed. More followup will be needed for this site.