

Oil Field Environmental Incident Summary

Incident 20150107160242 **Date / Time of Notice** 01/07/2015 16:02 **Confidential:** No

Responsible Party: Summit Midstream Partners, LLC.

Well Operator:

Well Name:

Field Name:

Well File #:

Date Incident: 1/7/2015

Time Incident: 07:00

Facility ID Number:

County: WILLIAMS

Twp: 157

Rng: 100

Sec: 20

Qtr:

Location Description: The pipeline leak location is about 300 feet to the west of the Halcon State 157-100-29A-32-1H well pad. The saltwater pipeline right-of-way crosses Blacktail Creek, and the leak location is on the west side of this crossing. The location is at Latitude 48.40152 N, 103.63971W in Williams county, ND.

Submitted By: Andrew Parisi

Received By:

Contact Person: Andrew Parisi
999 18th Street, Suite 3400S
Denver, CO 80202
303-626-8269

aparisi@summitmidstream.com

General Land Use: Pasture

Affected Medium: Surface Water

Property Owner:

Property Owner Notified:

Distance Nearest Occupied Building:

Distance Nearest Water Well:

Type of Incident Pipeline Leak

Release Contained in Dike No

Reported to NRC: No

Spilled Units

Recovered Units

Followup Units

Oil

Brine

Other

Description of Other Released Contaminant:

An unknown quantity of saltwater brine was released from the pipeline leak. Some of the released saltwater entered the Blacktail creek

Cause of Incident:

Inspected:

Written Report Received:

Clean Up Concluded:

Risk Evaluation:

Unknown at this time. no immediate health hazards are suspected from the saltwater, and the source of the spill (pipeline) has been shut down.

Areal Extent:

Unknown at this time. Some saltwater entered the Blacktail Creek.

Potential Environmental Impacts:

Some of the saltwater brine entered the Blacktail creek on the north side of the pipeline leak. The topsoil around the pipeline leak has also been impacted and will be remediated.

Action Taken or Planned:

The saltwater pipeline was shutdown on the evening of 01/06/2015 and Summit Midstream employees walked the right of way to try to find the source of the leak. Once the leak location was identified, environmental response teams, and Summit Midstream first responders were immediately notified and dispatched to the location. The source of the saltwater has been taken out of service, and Summit Midstream is working as quickly as possible to contain the released saltwater brine.

Wastes Disposal Location: Unknown at this time. A revised report will be submitted as soon as more information is available.

Agencies Involved: NDDH and NDIC

Email notice of this incident also sent to: dblikre@summitmidstream.com;tibrahim@summitmidstream.com;
jbiffle@summitmidstream.com;jking@summitmidstream.com;mdavis@summitmidstream.com;bdegeyter@summitmidstream.com;rcasadaban@summitmidstream.com

Updates

Date: 1/7/2015 Status: Reviewed; Followup Required Staff: Stockdill, Scott

Updated Oil Volume: Closed: ☐

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

Report Folder: <F:\EnvironResponse\WILLIAMS\T157R100S20>

Company rep contacted NDDoH at 1:04 PM 1/7/2014, notifying it of this spill. According to the report and the contact, this spill has impacted a local creek. NDDoH personnel are on location. Samples are to be taken in various locations to delineate the extent of the impact.

Followup is necessary.

Date: 1/7/2015

Status: Inspected; More Followup Required

Staff: Espe, Brady

Updated Oil Volume:

Closed: ☐

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

Report Folder: <F:\EnvironResponse\WILLIAMS\T157R100S20>

I arrived at the site at 4:00 p.m. Clear with winds from the southeast 10 mph with a temperature of 5°F. I met with personnel from the company. They were working on contacting contractors to bring pump trucks and other equipment to clean up the spill. They had cleanup contractor personnel assessing the spill area. The spill occurred in the northwest quarter of the section in a low area a couple hundred feet west of Blacktail Creek. You can see the line break; there was a small hole with sediment around it. The produced water had some oil mixed with it. The mixture went both north and east of the pipeline right-of-way, following low spots in the terrain. The oil stained the vegetation. The produced water ran east of the break and followed a low area. The creek is frozen in this area; the produced water mixture ran on to the ice. I could see oil mixture on top of the ice for approximately a couple hundred feet. Samples were grabbed from this area. The creek was frozen going east under Highway 85, and there was something on top of the ice directly east of bridge. The creek meets up with the Little Muddy River. The Little Muddy crosses under 66th Street south of this point. There was an open area in the ice, and the water was flowing. I took a sample at this site. I also took conductivity readings that showed 2.71 ms and 3.07 ms. I also used low-range chloride strips and had 0.8 and 0.5 units. More followup needed. 48.401417;- 103.639400

Date: 1/8/2015

Status: Inspected; More Followup Required

Staff: Espe, Brady

Updated Oil Volume:

Closed: ☐

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

Report Folder: <F:\EnvironResponse\WILLIAMS\T157R100S20>

I arrived at the site at 2:09 p.m. Clear with winds from the northwest 30+ mph with a temperature of 4°F. I checked the sample point at the Little Muddy, and it was still open and flowing. There is pasture around this area of the Little Muddy River on both sides of road. There appears to be no animals in the pasture area at this time. The Blacktail Creek along Highway 85 is bordered on the east side by grassland area that does not appear to be fenced and bordered on the west side (where the pipe breakage occurred) by what appears to be CRP. At the bridge you can see water on the ice; there is also snow on top of the ice. The snow is discolored for a couple hundred feet on the east side of the highway. I met with company personnel near the pipeline break. They were looking for the pipeline break, and there were also pump trucks located on the east side of the well pad. The creek flows by this area, and they have good access for pumping. It was indicated that pumping had been ongoing since 6:30 p.m. the night before. I was able to get two more water samples in other locations. One sample was taken at the bridge just west of the pipeline break, which is upstream of the spill site. Conductivity readings there showed 3.00 ms; low-range chloride strips showed 0.8 units. I then went to the site where the pump trucks were located and took a sample from this area. Conductivity readings there showed 187.4 ms and 170.3 ms. Low-range chloride strips showed 9.1 units, which is greater than 637 ppm of chlorides. The high-range chloride strip did not show anything. The pumpers were keeping up with pumping in this area; the flow in the creek was low at this point. More samples will be taken tomorrow.

Date: 1/9/2015 Status: Inspected; More Followup Required Staff: Espe, Brady

Updated Oil Volume: Closed: ☐

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

Report Folder: <F:\EnvironResponse\WILLIAMS\T157R100S20>

I arrived at the site at 9:00 a.m. Clear with winds from the northwest 10+ mph with a temperature of -10 °F. The company is continuing to pump water from the creek. I continued to sample to assess the spill. More followup will be done.

Date: 1/10/2015 Status: Inspected; More Followup Required Staff: Espe, Brady

Updated Oil Volume: Closed: ☐

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

Report Folder: <F:\EnvironResponse\WILLIAMS\T157R100S20>

I arrived at the site at 9:25 a.m. Clear with winds from the northwest 5 to 10+ mph with a temperature of -11 °F. The company is continuing to pump water from the creek. I continued to sample to assess the spill. More followup will be done.

Date: 1/12/2015 Status: Inspected; More Followup Required Staff: O'Gorman, Brian

Updated Oil Volume: Closed: ☐

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant:

Report Folder: <F:\EnvironResponse\WILLIAMS\T157R100S20>

Arrived at the recovery location at 9:35. Spoke with trucking company representative to locate release location. Drove to release location and spoke to safety representative who explained to me that they were not letting anyone into the area due to the line being pressurized and the pressure test should be finished later in the afternoon. Returned to recovery position and took EC and chloride strip samples from open water at location 48 degrees, 23.680 W, -103 degrees 36.859 N on Blacktail Creek. EC values were 167300 uS/cm and high range chloride strip showed plus 9. Traveled to Site 2 and took EC readings and chloride test strips at 12:00. EC value was 4270 uS/cm and low range chloride strip showed a value of 0.5. Traveled to Site 12 and collected one water sample and took EC and chloride strip readings. EC value was 7240 uS/cm and high range chloride strip showed a value of 6.0. Additional followup required.