

Oil Field Environmental Incident Summary

Incident: 20140311163407 **Date/Time of Notice:** 03/11/2014 16:34

Responsible Party: SAMSON RESOURCES COMPANY

Well Operator: SAMSON RESOURCES COMPANY

Well Name: STROM 2536-1H

Field Name: AMBROSE

Well File #: 25281

Date Incident: 3/11/2014 **Time Incident:** 07:00

Facility ID Number:

County: DIVIDE

Twp: 163

Rng: 99

Sec: 25

Qtr:

Location Description:

Submitted By: Brad Rogers

Received By:

Contact Person: Jeff Proberts
2 W 2ND ST SAMSON PLAZA
TULSA, OK 74103-3101

General Land Use: Well/Facility Site

Affected Medium: Topsoil

Distance Nearest Occupied Building:

Distance Nearest Water Well:

Type of Incident: Pump Leak

Release Contained in Dike: No

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
Oil	162	Barrels			140	barrels

Brine

Other

Description of Other Released Contaminant:

Inspected:

Written Report Received: 9/7/2016

Clean Up Concluded: 7/30/2014

Risk Evaluation:

There are no immediate risks identified at this time.

Areal Extent:

25*30 feet.

Potential Environmental Impacts:

There will be slight impact to soils around well site. Ground is frozen so migration of oil into soils will be minimal. The oil is being contained prior to entering surface water (slough) nearby. Updates will be provided.

Action Taken or Planned:

Currently, vacuum trucks are being utilized to cleanup the free oil from the well pad and areas it got off location. Absorbent pads are being used to limit migration of oil from spill location to limit surface impact. Once the free oil is removed the site will be re-evaluated for any additional remediation needed.

Wastes Disposal Location: Any recovered wastes will be disposed of at an approved disposal facility. Most likely Prairie Disposal located in Tioga, ND

Agencies Involved:

Updates

Date: 3/11/2014 **Status:** Inspection

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

3/11/14 - 18:15 approx. On location. Divide Co. Emergency Manager also on location. Met with company representatives. Pump leak was at the wellhead area. Release was entirely of crude oil due to the procedures they were using at the time. Some oil flowed to the east across the well pad and was stopped by the perimeter berm there. The majority of the release, however, flowed to the north and northwest areas of the pad, then along the north side to the east and got through two weak spots in the perimeter berms. Surface soil has thawed and is very muddy, but underlying soils are still frozen.

One small finger of the oil went off the pad on the north side into the east end of an adjacent small pothole slough (likely filled in by the pad construction). Only a small amount of oil impacted that area and was contained to an area of approximately 100 sq. feet where the ice had retreated. Hot water flush and vacuuming were being used to clear out the impacted snow and recover the oil.

The larger area of impact was to the east. A culvert at the east end of the north slough, under the access road, transmitted the majority of the oil that got off the pad into the relatively flat area leading to the large slough to the east. The response was able to get ahead of the release on that side and stopped the oil approximately 100 feet before it reached the slough proper. A defense area was scraped somewhat clear of dead vegetation and remaining snow, and absorbent socks and pads have been deployed, along with a crew manning vacuum hoses to intercept the oil flowing with the melt runoff. Another long string of absorbent sausage boom is laid out beyond the interdiction area, and by report of the company representative, another two layers of that boom will be installed on 3/12 when it arrives. Crews were keeping up with the oil migration at the defense area, and they would continue until freezing temperatures later in the evening slowed or stopped melt flow for the night.

Company representative felt that they have a good enough handle on the release to keep the oil out of the east slough and should have the north slough oil free before the end of work this date. Recovery of the oil and cleanup of the impacted surface on the pad will likely take somewhat longer, as there is a large area to the west and north of the wellhead where oil is pooled between the wellhead and the flare pit and around the generator north of the wellhead.

Roberts will inspect again 3/13 or 3/14.

Date: 3/11/2014 **Status:** Reviewed - Follow-up Required

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

According to the incident summary, this spill impacted areas off of location and is at risk for impacting a nearby wetland. Followup is necessary.

Date: 8/31/2015 **Status:** Inspection

Author: Washek, Sandi

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on site at 2:25 p.m. 77 degrees, sunny, wind out of west at 25 mph. Walked the outside of the well pad. No visible impacted soil or sheen on pond located east of pad could be found. Surrounding field has been harvested; grassland is well vegetated and shows no indication of oil-impacted vegetation. Slough north of pad is dry. No additional followup needed.