

Oil Field Environmental Incident Summary

Incident: 20130604091011 **Date/Time of Notice:** 06/04/2013 08:51

Responsible Party: Oasis Petroleum

Well Operator: OASIS PETROLEUM NORTH AMERICA LLC

Well Name: ISABELLA FEDERAL 6093 42-24H

Field Name: GROS VENTRE

Well File #: 22596

Date Incident: 6/1/2013 **Time Incident:** 1700

Facility ID Number:

County: BURKE

Twp: 160

Rng: 93

Sec: 24

Qtr: SE SW

Location Description:

Submitted By: Jared Iverson

Received By:

Contact Person: Jared Iverson
1001 FANNIN STE 1500
HOUSTON, TX 77002

General Land Use: Cultivated

Affected Medium: Topsoil

Distance Nearest Occupied Building: 1 Miles

Distance Nearest Water Well: 1 Miles

Type of Incident: Stuffing Box Leak

Release Contained in Dike: No

Reported to NRC: Unknown

	Spilled	Units	Recovered	Units	Followup	Units
Oil	4	barrels	2	barrels	2	barrels
Brine	1	barrels	0	barrels		
Other	0	barrels	0	barrels		

Description of Other Released Contaminant:

Inspected:

Written Report Received: 3/9/2016

Clean Up Concluded: 12/27/2013

Risk Evaluation:

spill was stopped approx. 100 from a pond

Areal Extent:

.25 acres

Potential Environmental Impacts:

spill could have reached a pond.

Action Taken or Planned:

Berms were built to contain the spill until weather conditions improve. Booms and absorbent pads were placed to soak up oil residue. Contaminated material on site was scraped up and contained within a berm to prevent further contamination.

Wastes Disposal Location: Prairie Disposal

Agencies Involved:

Updates

Date: 6/5/2013 **Status:** Reviewed - Assigned to Other Agency **Author:** Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Release ran off location, due to rain. Follow-up is necessary.

Date: 6/6/2013 **Status:** Inspection **Author:** Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

6-6-13 - 14:50 - Photos - Estimate release significantly more than 4 bbls oil and 1 brine, although the proportion may be correct. Oil and brine ran from stuffing box/wellhead, south across site to drainage ditch along north side of access road, then east 150+ feet to culvert running SE under the road into a field drainage leading directly to a well established prairie pothole in 160-93-25 BA. Oil was stopped 75 feet from the open water, 30-40 feet from the edge of the cattails. A containment/diversion berm was pushed up from the pond side to keep oil and excessive runoff out of the pond. Absorbent pads, booms, and pom-pom also put down along the berm. Many spent pads in evidence, and still pockets of oil this date. More rain would likely breach the berm. Culvert is plugged, but that will not be enough to protect the berm. Earthmovers/Strata is contractor, and work was stopped due to wet conditions. Called Jared Iverson (Oasis) and suggested more work ASAP. He promised to deploy Strata immediately. Follow-up is indicated.

Date: 8/19/2013 **Status:** Inspection

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

8/19/2013 - 09:20 - Call from Jared Iverson. Oil impacts all removed, but slough water shows 500 ppm Cl to screening. Vegetation and cattails on slough edge at impact poin all green and lush. Asked Jared to have 2 water samples collected from opposite sides of the slough for laboratory analysis of DRO and Chloride. Agreed. Will keep us updated.
Scott Brown, Strata, called 8/20/13 - 08:45. Asked about water sampling locations and technique. He said that screening of spill area showed only oil when they were testing, and only water in slough screened high for chloride. Thinks the chloride may have come from a different release of some kind. Whole slough is in a cropped field, not in livestock pasture. If lab analytical results come back in same magnitude as water screening, then no further action will be required.

Date: 10/4/2013 **Status:** Inspection

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Call and E-mail from Jared Iverson on 10-3 and 4-2013. Requested analytical results for chloride and DRO have arrived. DRO in samples from both sides of the slough are <2 mg/L. Chloride, however is at 802 and 807 mg/L. Jared relates that during the cleanup, Strata field screened for chlorides in the flow path of the spill and did not find any. Slough is in a cropped field, and there is a new pipeline crossing the spill path. Have inquiry back to Jared to find out if it is an Oasis line, and what it carries. Will be in the field Oct 8-10. Will re-inspect the area and look carefully at all approaches to the slough.

Date: 11/15/2013 **Status:** Inspection

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

11/15/13 - 15:45 on location. Due to high concentration of chloride identified to the south, Roberts returned to collect sample for DoH laboratory analysis. Ventured out on slough ice, chopped hole, and collected sample of water directly south of the well pad. From observation of the area, it does not appear that there is an obvious source of salt input. However, still awaiting documentation from Oasis on what the other underground lines running along the field verge are, and who owns them. Waiting on analytical results.

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received analytical report on sample collected 11/15/13. Log # 13-C553.

B - 238 ppb

Sr - 968 ppb

Na - 303 ppm

Mg - 193 ppm

K - 21.4 ppm

Ca - 177 ppm

Mn - 0.038 ppm

Fe <0.05 ppm

Ni - 5.89 ppb

As - 7.47 ppb

Ba - 10.6 ppb

Cl - 734 ppm

pH - 8.67

CO3 - 19 ppm

HCO3 - 246 ppm

T. Alk - 234 ppm

Sp Cond - 3580 uS/cm

SO4 - 655 ppm

% Na - 34.2 %

SAR - 3.75

TDS - 2330 ppm

Chloride remains high. Despite underground piping corridor between the well pad and the slough, there is no record of any previous releases that would impact this pothole. One possibility is the agricultural field surrounding the pothole. No further investigation of this incident is indicated.