

Oil Field Environmental Incident Summary

Incident: 20141017155531 **Date/Time of Notice:** 10/17/2014 15:55

Responsible Party: XTO ENERGY INC.

Well Operator: XTO ENERGY INC.

Well Name: LOOMER 41X-4C

Field Name: TOBACCO GARDEN

Well File #: 25594

Date Incident: 10/16/2014 **Time Incident:** 10:15

Facility ID Number:

County: MCKENZIE

Twp: 150

Rng: 99

Sec: 4

Qtr:

Location Description:

Submitted By: Diane Montano

Received By:

Contact Person: Kaylan Dirkx
P.O Box 6501
Englewood, CO 80155

General Land Use: Well/Facility Site

Affected Medium: Well/Facility Soil

Distance Nearest Occupied Building:

Distance Nearest Water Well:

Type of Incident: Other

Release Contained in Dike: No

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
Oil	650	Barrels	650	Barrels	2319	barrels
Brine	570	Barrels	520	Barrels	787	barrels

Other

Description of Other Released Contaminant:

Inspected:

Written Report Received: 2/5/2016

Clean Up Concluded: 11/14/2015

Risk Evaluation:

Explosive atmosphere, safety measures in place

Areal Extent:

To be determined

Potential Environmental Impacts:

Majority of spill contained on location, off-site impacts to be determined

Action Taken or Planned:

Pending, estimated reported volumes are as of 10/17/14 @ 11:48 A.M. Volumes to be updated. Safety and environmental measures in place.

Wastes Disposal Location: Fluid will be returned to production tanks, solids will be disposed at Indian Hills Disposal.

Agencies Involved: Local Fire Department Local Law Enforcement

Updates

Date: 10/17/2014 **Status:** Inspection

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location with McKenzie County emergency management at 12:00 CT. Met with XTO Environmental Health and Safety Manager and operations personnel to discuss current situation. NDIC representative also present.

At the time of the meeting, vac trucks were continuing to remove product from the well pad. Three subcontractors were on site providing containment, maintenance and security for the company, and one subcontractor was working on shutting in the well. The nearest landowners had been contacted and were provided assistance due to power being shut down to reduce ignition sources igniting released gas. Access to the site was being limited due to safety concerns. No observations or photos collected due to the danger of the operations. Best estimates were that the well would be shut in either this afternoon or tomorrow morning with continued monitoring.

Responsible party evaluation of the impact was limited due to first priority being safety and shutting in the well; otherwise, the assessment was that most of the release is remaining on the well pad. Impact that was off the pad was only on the vegetation, and there were no waterways nearby that would be impacted.

Further followup required.

Date: 10/18/2014 **Status:** Inspection

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

10-18-14 - 11:00 on location, Roberts and Martin. Met McKenzie County emergency management for joint site visit and inspection. Well still not under control, but pressure and flow are much less. Now estimated at approximately 20 bbls/hour outflow of an oil/gas/brine water. Met with company representatives (EHS) and discussed the off location impacts. Off-site cleanup will not start until well is back under control. Cleanup contractor estimates an off-location spray impact of approximately 700 yards to the southeast. Wind now out of the south growing brisk. Site is currently under the lee side of the adjacent butte.

Determined the feasible off-location impact perimeter with company EHS supervisor. Extent approximately twice what consultant estimated. Recommended that agriculture hay mower/swather and baler be used to remove impacted grasses, then collect soils samples on a random pattern in the impact area. Also collected a soil EC reading of 232 and 317 uS/cm at 3 and 6 inches below ground surface. Will need further investigation to determine whether there is a significant salt impact from this incident.

Date: 10/21/2014 **Status:** Correspondence

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Telephone contact this date with the company representative. Landowner has withheld authorization to begin any restoration activities off location until his attorney has visited the location for a visual inspection.

Roberts contacted the landowner attorney and stressed that (1) swift removal of impacted vegetation is important to keep rains from moving vegetation-trapped oils and salt into the soil and (2) there would be no soil disturbance involved with the vegetation cutting and removal.

Attorney contacted landowner and received authorization for the company to proceed with the vegetation cutting and removal. Attorney indicated that he would be on location on 10/22.

Company was informed of the authorization this date.

Date: 10/23/2014 **Status:** Correspondence

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received sampling and preliminary remediation work plan by email this date. Reviewed and approved by Roberts and O'Gorman. Approval transmitted by Roberts, with request that (1) more intense soil sampling be carried out on the heavily impacted butte faces and (2) the analytical laboratory provide documentation of its North Dakota parameter certification list. Work plan also was forwarded to the NDIC Oil and Gas Division for review of the plans for sampling and remediation of the on-location soils.

Date: 10/23/2014 **Status:** Inspection

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

10/20/14 - 13:00 on location. Confirmed with company contact that the well was brought under control at 18:30 CDT on 10/18/14. Hydrovac trucks were on location recovering on-location fluids. Photos were taken. Discussed the off-location cleanup plans and soil sampling. A sickle bar mower and side delivery or dump rake will be used to remove the majority of the impacted vegetation, and the impacted vegetation on the steeper slopes will be removed by hand. After that is accomplished, soil sampling will take place, with a greater concentration of samples in the heavy impact area.

Date: 12/12/2014 **Status:** Inspection

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received report of cleanup and sampling on 11/20/2014. Reviewed this date. Visited with landowner's attorney. Report states that one soil sample, outside the well pad, exceeds the NDDoH standard (100 mg/kg TPH) at 140 mg/kg. Four samples exceeded 250 mg/kg chloride. Report maintains that attempting to remove impacts from those locations would do more environmental damage than good. Proposal is to observe the locations through the spring of 2015 for adequate plant growth. Landowner's attorney believes that the landowner will want the NDDoH to also observe adequate plant growth before closing the file on this incident. Therefore, NDDoH will schedule a followup inspection for late spring of 2015.

Date: 6/9/2015 **Status:** Inspection

Author: Washek, Sandi

Updated Oil Volume: 650.00 barrels

Updated Salt Water Volume: 570.00 barrels

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on site at 8:50 a.m. Sunny, 72 degrees F, with wind out of the NW at 10 mph. Walked the site east and south of the pad. Inspected area where visible plant life was stressed (ground junipers brown along the SE side of flare pit). I could see some grass and leafy flora coming through the junipers. Will return later in the summer to see if additional plant recovery occurs on site. In addition, will need to contact landowner for a walk-through of the site. More followup needed.

Date: 8/13/2015 **Status:** Inspection

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received an email from the company consultant with a closure letter and a vegetation monitoring and closure request report. Email and PDFs added to report folder. The email asks for final closure of the site with the accompanying report. Report shows adequate plant growth; however, a final on-site inspection with the landowner should be conducted before closure. More followup needed.

Date: 8/17/2015 **Status:** Inspection

Author: Wax, Pete

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

On site 17:00, 70 degrees, wind 5 mph NE, overcast. Clean site. Walked east and north site outside of pad to the east-west road. Vegetation is fair to good for region. Mostly tame grasses. Site is ready for landowner review. Off site 17:45.

Date: 8/27/2015 **Status:** Inspection

Author: Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

8/27/2015 at 18:06, on location. Checked vegetation next to pad (this inspection to accompany previous inspection). No visible impacts directly adjacent to the wellpad. With the previous inspections, no further followup required at this time.