

Oil Field Environmental Incident Summary

Incident: 20170323102735 **Notice:** 3/23/2017 10:27 **Occurred:** 3/15/2017 11:00

Responsible Party: CITATION OIL & GAS CORP.

Well Operator: CITATION OIL & GAS CORP.

Well Name: BOB CREEK FEDERAL 4-19-1D-R

Field Name: LONE BUTTE

Well File #: 13113

Facility ID #:

County: DUNN

Twp Rng Sec Qtr: 147 97 19

Location Description: flowline leak at well head, fluid spread around location and some fluid ran off east side of location

Submitted By: Lee Ann Elsom

Received By:

Contact Info: Lee Ann Elsom
14077 CUTTEN ROAD
PO BOX 690688
HOUSTON TX 77269-0688

Affected Medium: Well/Facility Soil

General Land Use: Pasture

Near. Occupied Bldg: 5 Mile

Nearest Water Well: 5 Mile

Type of Incident: Pipeline Leak

Release Contained: No

Reported to NRC: No

| | Spilled | Units | Recovered | Units | Followup | Units |
|--------------|----------------|--------------|------------------|--------------|-----------------|--------------|
| Oil | 2 | Barrels | | | | |
| Brine | 70 | Barrels | | | | |

Other

Oth Rel. Contaminant:

Date Inspected:

Clean Up Concluded:

Written Report Recd:

Risk Evaluation:

None

Areal Extent:

Potential Env. Impacts:

NOne

Action Taken/Planned:

well is shut in and flowline will be repaired.

Wastes Disposal Location:

any freestanding fluid will be run back through the production system, contaminated soil will be hauled to an approved landfill, final report will be filed when clean up is complete.

Other Agencies Involved:

Updates

Date: 3/23/2017 **Status:** Reviewed - Follow-up Required **No Further Action:**

Author: O'Gorman, Brian

Notes:

Release, due to a pipeline leak, was not contained according to the report. Further follow-up needed.

Updated Volumes and Contaminant None at the time of this update

Date: 3/30/2017 **Status:** Inspection **No Further Action:**

Author: O'Gorman, Brian

Notes:

Arrived on location at 17:50. 63 degrees F, mostly cloudy, south wind 15-20 mph. Observed the site and took photos. It appeared the release occurred near the northeast portion of the well pad, exiting the pad into a drainage that ran downgradient to the east. The landscape off the pad is badlands terrain and was not navigable during the inspection. However, it appeared that free crude product was visible at the bottom of the drainage approximately 200 feet from the well pad. Drove to points along the drainage and took photos. It appeared that the drainage led to a creek (Sand Creek) leading to Crosby Creek. A sheen or petroleum product was not visible at either location inspected along the two creek access points. Two soil samples were collected off the well pad at 47.54093, -103.09526 for diesel range organics (DRO) and Group 190 analysis. Photos and Chain of Custody form added to incident folder. Further follow-up needed.

Updated Volumes and Contaminant None at the time of this update

Date: 4/6/2017 **Status:** Inspection **No Further Action:**

Author: Wax, Pete

Notes:

On site 4/3/2017, 13:45, cloudy, 54 degrees. Nearest water was an ephemeral wash 5 meters from the north edge of well pad. Attempted to track path of release down the ephemeral wash using a soil probe. Located initial release onto private land, but the spill occurred too long ago and there has been too much snowmelt since the release to identify the extent of the spill; it has been washed away into Sand Creek. There were small pockets of crude at the point of release and extending approximately 80 meters downgradient (photographs collected). Walked Bob's Creek drainage, periodically measuring soil conductivity to its confluence with Sand Creek and then downstream Sand Creek about 100 meters. Soil conductivity measurements and geographic locations are contained in the field log.

Updated Volumes and Contaminant None at the time of this update

Date: 7/5/2017 **Status:** Inspection **No Further Action:**

Author: DeVries, Taylor

Notes:

Inspection Date: 7/5/2017

Arrived on site at 1420. The vegetation and trees look to be doing well within the drainage. The area is dry from the lack of precipitation. There is still disturbed soil from the north corner of the pad to the drainage. Photos were taken and can be found in the report folder.

Updated Volumes and Contaminant None at the time of this update

Date: 7/27/2017 **Status:** Correspondence

No Further Action:

Author: DeVries, Taylor

Notes:

The investigation report has been put into the report folder. The consultant company will be doing a late summer sampling event of the drainage area. There is an area off of the well pad (at the beginning of the spill) that has high elevations of both TPH, DRO and chlorides. This area will be excavated to determine depth of contamination.

Updated Volumes and Contaminant None at the time of this update

Date: 10/11/2018 **Status:** Inspection

No Further Action:

Author: Sandvick, Duane

Notes:

An inspection was conducted of the well pad by a spill investigation program representative on October 11, 2018. Weather conditions were 46 degrees Fahrenheit, sunny with slight breeze from the southeast.

The inspector was working off of General Incident report #277 and not this incident report, and was unaware the department had issued the responsible party (RP) an NOV on October 24, 2017. The department inspector discovered the pumping unit had been removed from the well head and was on the side of the location. The area next to the well head had been excavated. There was no activity on the site.

Photos of the well pad were taken. Future follow-up is required.

Updated Volumes and Contaminant None at the time of this update

Date: 7/18/2019 **Status:** Inspection - Vegetation Check

No Further Action:

Author: DeVries, Taylor

Notes:

Inspection Date: 7/18/2019

Arrived on location at 1500. Inspected the entire perimeter of the well pad. The natural grasses are growing nicely throughout the area. There are still a few waddles in place by the sink hole off location. Otherwise there is no evidence of stressed vegetation or bare spots.

Photos were taken and can be found in the report folder.

Updated Volumes and Contaminant None at the time of this update

Date: 2/12/2020 **Status:** Correspondence - Vegetation Check

No Further Action:

Author: DeVries, Taylor

Notes:

Recommend revisiting this site in 2020 to verify re-vegetation.

Updated Volumes and Contaminant None at the time of this update

Date: 9/16/2020 **Status:** Inspection - No Action Required

No Further Action:

Author: DeVries, Taylor

Notes:

Inspection Date: 9/16/2020

Arrived on location at 1230. The area around the well pad has nice vegetation growth along with wildflowers such as Prairie Aster. There are a few waddles in place. The butte edge has healthy trees and no signs of stress. No further action needed at this location at this time.

Photos were taken and can be found in the report folder.

Updated Volumes and Contaminant None at the time of this update